

**20WCSS\_Poster Schedule(vol.6)**

Date	Time	Code-N	Session	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 9(Mon)	All day	Art Poster	Folk Soil Knowledge for Soil Taxonomy and Assessment-art		Myriel Milicevic and Ruttikorn Vuttikorn				
June 9(Mon)	15:30~16:20	P1-1	Folk Soil Knowledge for Soil Taxonomy and Assessment	AF2388	Monica Aviles	Mexico	Autonomous University of Baja California	Poster	CHARACTERIZATION AND CLASSIFICATION OF SOILS IN MEXICALI VALLEY, BAJA CALIFORNIA, MEXICO
June 9(Mon)	15:30~16:20	P1-2	Folk Soil Knowledge for Soil Taxonomy and Assessment	AF2892	Leo Adriano Chig	Brazil	UNIVERSITY OF CUIABA - UNIC/INAU - NATIONAL	Poster	Relationship between phytophysiognomy and classes of wetland soil of northern Pantanal Mato Grosso - Brazil
June 9(Mon)	15:30~16:20	P1-3	Folk Soil Knowledge for Soil Taxonomy and Assessment	AF2934	Luiz Felipe Moreira Cassol	Brazil	Universidade de Brasília	Poster	USE OF SIG TOOLS IN THE TREATMENT OF DATA AND STUDY OF THE RELATIONSHIP BETWEEN SOIL, GEOLOGY AND
June 9(Mon)	15:30~16:20	P1-4	Folk Soil Knowledge for Soil Taxonomy and Assessment	AF2977	Maria Alcala	Mexico	Universidad Michoacana de San Nicolas de Hidalgo	Poster	FARMER'S KNOWLEDGE OF LAND AND CLASSES OF CORN OF MICHOACAN, MEXICO
June 9(Mon)	15:30~16:20	P1-5	Folk Soil Knowledge for Soil Taxonomy and Assessment	AF2979	Pantelis E. Barouchas	Greece	Technological Educational Institute of Western Greece	Poster	Soil mass balance for an Alfisol in Greece
June 9(Mon)	All day	Art Poster	Critical Issues of Radionuclide Behavior in Soils and Remediation-art		Center for Land Use Interpretation				
June 9(Mon)	15:30~16:20	P1-6	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF0357	Nobuyoshi Ishii	Japan	National Institute of Radiological Sciences	Poster	Aging effects on transfer factor of Cs-137 from drinking water treatment sludge to a leaf vegetable
June 9(Mon)	15:30~16:20	P1-7	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF0366	Khin Thuzar Win	Japan	Tokyo University of Agriculture and Technology	Poster	Differential responses of drought induced reduction in growth rate, plant radio-caesium uptake and distribution between the tolerant and
June 9(Mon)	15:30~16:20	P1-8	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF0448	Guilherme Sobrinho	Brazil	IRD/CNEN	Poster	DISTRIBUTION COEFFICIENTS (Kd) FOR Cs-137 IN HIGHLY WEATHERED SOILS
June 9(Mon)	15:30~16:20	P1-9	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF0535	Hirofumi Tsukada	Japan	Fukushima University	Poster	Radiocesium interception potential and <sup>137</sup> Cs concentration in particle-size fractions of soil
June 9(Mon)	15:30~16:20	P1-10	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF0595	Takuro Shinano	Japan	NARO Tohoku Agricultural Research Center	Poster	Mitigation of Radioactive Contamination from Farmland Environment and Agricultural Products
June 9(Mon)	15:30~16:20	P1-11	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF0785	Nataliia Zarubina	Ukraine	Institute for Nuclear Research of National	Poster	LAYER-TO-LAYER VARIATIONS OF 137Cs CONTENT IN SOIL THROUGHOUT A CALENDAR YEAR WITHIN THE ALIENATION ZONE
June 9(Mon)	15:30~16:20	P1-12	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF1087	Elena Mingareeva	Russia	The Dokuchaev Central Soil Science Museum	Poster	Using a collection of soil monoliths for the study of natural radiation of soils in Russia
June 9(Mon)	15:30~16:20	P1-13	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF1172	Shigeto Fujimura	Japan	NARO Tohoku Agricultural Research Center	Poster	Model-based estimation of inhibitory effect of potassium application on Cs-137 uptake by rice
June 9(Mon)	15:30~16:20	P1-14	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF1176	Noriko Yamaguchi	Japan	National Insitute for Agro-environmental Sciences	Poster	Relationships between radiocesium interception potential (RIP) and soil properties
June 9(Mon)	15:30~16:20	P1-16	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF1240	Levi Nwankwo	Nigeria	University of Ilorin	Poster	Natural radionuclide measurements in soil samples from Tanke-Ilorin, North-Central Nigeria
June 9(Mon)	15:30~16:20	P1-17	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF1379	Hiroaki Yamaguchi	Japan	Sumitomo 3M Limited	Poster	Development of low-level-radiocesium concentration analysis system for irrigation water using solid phase extraction disks
June 9(Mon)	15:30~16:20	P1-18	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF1544	Sayaka Motojima	Japan	Graduate school of Science and Technology, Niigata	Poster	Correlation between soil properties and radioactive cesium absorption by legume crops
June 9(Mon)	15:30~16:20	P1-19	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF1545	Joerg Voelkel	Germany	Technische Universitaet Muenchen TUM	Poster	The vertical distribution of Cs-137 in Bavarian forest soils
June 9(Mon)	15:30~16:20	P1-20	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF1635	Naoki Harada	Japan	Niigata University	Poster	Rice fields can be affected by radiocesium in irrigation water originating from forested mountain areas
June 9(Mon)	15:30~16:20	P1-21	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF1884	Yasukazu Suzuki	Japan	Fukushima Agricultural Technology Centre	Poster	Adsorption rate of dissolved radiocesium in water onto soil
June 9(Mon)	15:30~16:20	P1-22	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF2040	Tomoya Suda	Japan	University of Tsukuba	Poster	Effects of differences in land use on the radiocesium vertical distribution in soil profile after Fukushima Daiichi Nuclear Power
June 9(Mon)	15:30~16:20	P1-23	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF2325	Takashi Saito	Japan	Fukushima Agricultural Technology Centre	Poster	Prediction of radiocesium concentration in brown rice based on the water-soluble potassium ion concentration in the soil and the

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June 9(Mon)	15:30~16:20	P1-24	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF2336	Saffuwan Mohamed Johar	Malaysia	Universiti Tun Hussein Onn Malaysia	Poster	TERRESTRIAL GAMMA RADIATION DOSE AND ITS RELATIONSHIP WITH SOIL pH LEVEL IN SERI GADING INDUSTRIAL AREA, BATU
June 9(Mon)	15:30~16:20	P1-25	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF2356	Kenji Ohse	Japan	Fukushima University	Poster	Effects of decontamination and potassium fertilization on radiocesium concentrations in rice and vegetables cultivated in
June 9(Mon)	15:30~16:20	P1-26	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF2432	Shinya Suzuki	Japan	The University of Tokyo, Graduate school of	Poster	Development of a device for measuring the vertical distribution of radioactivity in soil using Geiger-Muller tubes.
June 9(Mon)	15:30~16:20	P1-27	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF2484	Masaru Mizoguchi	Japan	Unversity of Tokyo	Poster	Challenge in remediation of agricultural soil contaminated by radioceasium in Fukushima,Japan
June 9(Mon)	15:30~16:20	P1-28	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF2525	Tadao Aoda	Japan	Niigata University	Poster	Dynamics of Radioactive Cesium at paddy fields in Lower Basin of Agano-River, Niigata, Japan
June 9(Mon)	15:30~16:20	P1-29	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF2652	Shuichiro Yoshida	Japan	The University of Tokyo	Poster	Plot-scale Spatial variability of radioactive cesium profile in contaminated paddy soil in Fukushima
June 9(Mon)	15:30~16:20	P1-30	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF2710	Naoki Harada	Japan	Niigata University	Poster	Seasonal changes in soil radiocesium distribution in rice fields and their effect on rice
June 9(Mon)	15:30~16:20	P1-31	Critical Issues of Radionuclide Behavior in Soils and Remediation	AF3301	Seiko Yoshikawa	Japan	National Institute for Agro-environmental Sciences	Poster	Estimation of radiocesium in/out flows in paddy fields in Fukushima, Japan
June 9(Mon)	15:30~16:20	P1-32	Critical Issues of Radionuclide Behavior in Soils and Remediation	AK1036	Yong-Ho Choi	Korea	Korea Atomic Energy Research Institute	Poster	Soil-to-Plant Transfer Factors of Cs-137 for the Korean Diet and Their Potential Use after a Nuclear Accident
June 9(Mon)	All day	Art Poster	Impact of Bioenergy Cropping on Soils and the Environment-art		Georg Dietzler				
June 9(Mon)	15:30~16:20	P1-33	Impact of Bioenergy Cropping on Soils and the Environment	AF0560	Upendra Sainju	USA	USDA, Agricultural Research Service	Poster	SOIL CARBON AND NITROGEN AFFECTED BY PERENNIAL GRASS, COVER CROP, AND NITROGEN FERTILIZATION
June 9(Mon)	15:30~16:20	P1-34	Impact of Bioenergy Cropping on Soils and the Environment	AF0601	Dokyoung Lee	USA	University of Illinois at Urbana-Champaign	Poster	Soil Carbon Sequestration and Soil Aggregation Affected by Perennial Energy Crops
June 9(Mon)	15:30~16:20	P1-35	Impact of Bioenergy Cropping on Soils and the Environment	AF0672	Chaolan Zhang	China	Guangxi University	Poster	Growth Responses and Accumulation of Cadmium in Energy Crops: Switchgrass ( <i>Panicum virgatum</i> L.) and Prairie Cordgrass ( <i>Spartina</i>
June 9(Mon)	15:30~16:20	P1-36	Impact of Bioenergy Cropping on Soils and the Environment	AF0759	Jim Doolittle	USA	South Dakota State University	Poster	Soil Carbon Sequestration on Conservation Reserve Program (CRP) Lands Managed for Bioenergy Feedstock Production
June 9(Mon)	15:30~16:20	P1-37	Impact of Bioenergy Cropping on Soils and the Environment	AF1117	Tara Hudiburg	USA	University of Illinois	Poster	Environmental impact of bioenergy landscapes in the United States
June 9(Mon)	15:30~16:20	P1-38	Impact of Bioenergy Cropping on Soils and the Environment	AF1284	Thomas Voigt	USA	University of Illinois	Poster	Does Nitrogen Fertilization Effect Biomass Yield, Nitrate Leaching, or Greenhouse Gas Emissions in Illinois-Produced Miscanthus×
June 9(Mon)	15:30~16:20	P1-39	Impact of Bioenergy Cropping on Soils and the Environment	AF1303	Brett Allen	USA	USDA-ARS	Poster	Biomass and seed yield of oilseeds in NE Montana for use as hydro-treated renewable jet fuel
June 9(Mon)	15:30~16:20	P1-40	Impact of Bioenergy Cropping on Soils and the Environment	AF1646	Sonia Shilpi	Australia	University of South Australia, Mawson lakes Campus, SA-	Poster	Effect of different types of wastewater on soil properties and biomass production in a low pH soil.
June 9(Mon)	15:30~16:20	P1-41	Impact of Bioenergy Cropping on Soils and the Environment	AF1842	Miglena Zhiyanski	Bulgaria	Forest Research Institute, BAS	Poster	Growing Populus I-214 and Miscanthus on agricultural land - four-year study experience for bioenergy purposes
June 9(Mon)	15:30~16:20	P1-42	Impact of Bioenergy Cropping on Soils and the Environment	AF1899	Denis Angers	Canada	Agriculture and Agri-Food Canada Canada	Poster	Perennial herbaceous crops used for bioenergy: a review of their impact on soil organic carbon.
June 9(Mon)	15:30~16:20	P1-43	Impact of Bioenergy Cropping on Soils and the Environment	AF2308	Chengci Chen	USA	Montana State University	Poster	A Camelina Sativa Production System in Central Montana and Its Effect on Soil and Environment
June 9(Mon)	15:30~16:20	P1-44	Impact of Bioenergy Cropping on Soils and the Environment	AF2471	Balaji Seshadri	Australia	Centre for environmental risk assessment and remediation	Poster	Scope of native grass species as potential bioenergy crops grown in a flyash amended phosphorus-rich soil and its effects on soil's

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June 9(Mon)	15:30~16:20	P1-45	Impact of Bioenergy Cropping on Soils and the Environment	AF2622	Anna Maria Makalew	Indonesia	Faculty of Agriculture Lambung Mangkurat	Poster	Soil Quality Changes under Bioenergy Cropping in Tropical Soils: From Corn Feed plant to Oil Palm Plantation.
June 9(Mon)	15:30~16:20	P1-46	Impact of Bioenergy Cropping on Soils and the Environment	AF2864	Denizart Bolonhezi	Brazil	Instituto Agronomico - IAC/APTA	Poster	IMPACTS OF NO-TILLAGE AND LIMING ON SOIL CHARACTERISTICS AND SUGARCANE YIELD IN BRAZILIAN LONG-TERM EXPERIMENT
June 9(Mon)	15:30~16:20	P1-47	Impact of Bioenergy Cropping on Soils and the Environment	AF2920	Doerthe Holthusen	Germany	Christian-Albrechts-University Kiel	Poster	Biogas by-product digestate: A new amendment that causes new soil alterations and requires new approaches for understanding
June 9(Mon)	15:30~16:20	P1-48	Impact of Bioenergy Cropping on Soils and the Environment	AF2969	Kari Dunfield	Canada	University of Guelph	Poster	Soil microbial communities and nitrous oxide emissions in a corn-based biofuel cropping system
June 9(Mon)	15:30~16:20	P1-49	Impact of Bioenergy Cropping on Soils and the Environment	AF3197	Ajay Bhardwaj	India	Central Soil Salinity Research Institute	Poster	Water quality improvement, an important consideration to delineate sustainable fertilization and harvesting strategies for cellulosic
June 9(Mon)	15:30~16:20	P1-50	Impact of Bioenergy Cropping on Soils and the Environment	AK1509	Sungun Kim	Korea	South Dakota State University	Poster	Biomass Production of Prairie Cordgrass Using Urea and Kura Clover as a Source of Nitrogen
June 9(Mon)	15:30~16:20	P1-51	Impact of Bioenergy Cropping on Soils and the Environment	AK1587	Kook-Sik Shin	Korea	National institute of crop science	Poster	Factor Analysis of Methane Production Potential from Crop and Livestock Biomass
June 9(Mon)	15:30~16:20	P1-52	Impact of Bioenergy Cropping on Soils and the Environment	AK3096	Chang Oh Hong	Korea	Pusan National University	Poster	Nitrous Oxide Emission, Nitrate Leaching, and Nitrogen Removal Influenced by Nitrogen Fertilization from Production of Switchgrass
June 9(Mon)	15:30~16:20	P1-53	Impact of Bioenergy Cropping on Soils and the Environment	AK3161	Ga-Hee Lim	Korea	Department of Environmental Horticulture,	Poster	Exploring metal(loid) accumulation ability of Miscanthus sacchariflorus genotype Geodae-Uksae; implication to application for
June 9(Mon)	15:30~16:20	P1-54	Integrated Management Strategies for As and Cd in Rice Paddy	AF0030	Ghasem Rahimi	Iran	Bu-Ali Sina University	Poster	Assessment of potentially toxic element pollution in soils and rice (Oryza sativa) in selected paddy soil of Iran
June 9(Mon)	15:30~16:20	P1-55	Integrated Management Strategies for As and Cd in Rice Paddy	AF0237	Chuanping Liu	China	Guangdong Institute of Eco-Environmental and Soil	Poster	Heavy metal pollution of mining district in Guangdong province and its control strategies
June 9(Mon)	15:30~16:20	P1-56	Integrated Management Strategies for As and Cd in Rice Paddy	AF0248	Hiroataka Sumi	Japan	Shinshu University	Poster	Effects of the alkaline material addition on chemical fractions of heavy metals in a contaminated soil under flooded and non-flooded
June 9(Mon)	15:30~16:20	P1-57	Integrated Management Strategies for As and Cd in Rice Paddy	AF0695	Ali Cherati	Iran	Soil and Water Research Institute	Poster	Fractionation of Residual Zn in Some Mazandaran Prov. Soils -IRAN
June 9(Mon)	15:30~16:20	P1-58	Integrated Management Strategies for As and Cd in Rice Paddy	AF0769	Anongnat Sriprachote	Thailand	Kasetsart University	Poster	Variation in iron and zinc minerals of a promising low-grain cadmium rice (Oryza sativa L.) cultivars
June 9(Mon)	15:30~16:20	P1-59	Integrated Management Strategies for As and Cd in Rice Paddy	AF0840	Chia-Chen Huang	Taiwan	National Taiwan University	Poster	Effect of organic matter amendment on As release in soil solution and accumulation by paddy rice grown in As-contaminated paddy
June 9(Mon)	15:30~16:20	P1-60	Integrated Management Strategies for As and Cd in Rice Paddy	AF0841	Chun-Hung Wu	Taiwan	National Taiwan University	Poster	The effects of phosphate application on As release into pore water and uptake by rice seedlings grown in As-contaminated paddy soils
June 9(Mon)	15:30~16:20	P1-61	Integrated Management Strategies for As and Cd in Rice Paddy	AF0950	Yu-Hsuan Chen	Taiwan	Department of Agronomy, National Chiayi University	Poster	Cadmium uptakes by different rice cultivars related to iron nutritional levels in plant and iron plaque formation
June 9(Mon)	15:30~16:20	P1-62	Integrated Management Strategies for As and Cd in Rice Paddy	AF1697	Ali Kasraian	Iran	Islamic Azad University	Poster	Effect of Cd contaminaton on S oxidation and its effect on Cd extractable by DTPA in calcareous Cd contaminated soil
June 9(Mon)	15:30~16:20	P1-63	Integrated Management Strategies for As and Cd in Rice Paddy	AF1956	Ming Lei	China	Hunan Agricultural University	Poster	Stabilization soil As to rice (Oryza sativa L.) with solid wastes
June 9(Mon)	15:30~16:20	P1-64	Integrated Management Strategies for As and Cd in Rice Paddy	AF2037	Saengdao Khaokaew	Thailand	Kasetsart University	Poster	Increasing Cadmium Solubility in Contaminated Paddy Soils to Enhance Cadmium Phytoremediation by Nicotiana tabacum
June 9(Mon)	15:30~16:20	P1-65	Integrated Management Strategies for As and Cd in Rice Paddy	AF2392	Wan-Ting Chiao	Taiwan	National Chiayi University	Poster	Time-dependent changes of plant water status to Cd acute toxicity and absorption of Cd in rice seedlings
June 9(Mon)	15:30~16:20	P1-66	Integrated Management Strategies for As and Cd in Rice Paddy	AF2461	Shaikh Bokhtiar	Bangladesh	Bangladesh Agricultural Research Council (BARC)	Poster	Distribution of Arsenic in Soil-Water- Plant (Rice, Oryza sativa L.) of Three Districts, Bangladesh
June 9(Mon)	15:30~16:20	P1-67	Integrated Management Strategies for As and Cd in Rice Paddy	AF2462	Prasanta Kumar Patra	India	Bidhan Chandra Krishi (Agricultural) Viswavidyalaya	Poster	Nutrient and Water Management for mitigating Arsenic accumulation in rice
June 9(Mon)	15:30~16:20	P1-68	Integrated Management Strategies for As and Cd in Rice Paddy	AF2535	Laura Gargiulo	Italy	National Research Council	Poster	Physical effects on soil structure of iron-based remediation practices used in As contaminated soils

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June 9(Mon)	15:30~16:20	P1-69	Integrated Management Strategies for As and Cd in Rice Paddy	AF2744	Yetao Tang	China	Sun Yat-sen Uiniversity	Poster	The application of Si and Se fertilizers for mitigation of Cd accumulation in rice
June 9(Mon)	15:30~16:20	P1-70	Integrated Management Strategies for As and Cd in Rice Paddy	AF2771	M. Rafiqul Islam	Banglades h	Bangladesh Agricultural University, Mymensingh	Poster	Dietary risk exposure to heavy metals among poor and non-poor households in Dhaka city, Bangladesh
June 9(Mon)	15:30~16:20	P1-71	Integrated Management Strategies for As and Cd in Rice Paddy	AF2984	Xingmei Liu	China	Zhejiang University	Poster	Spatio-temporal variability of heavy metals in paddy field and their socio-environmental interpretation
June 9(Mon)	15:30~16:20	P1-72	Integrated Management Strategies for As and Cd in Rice Paddy	AK1705	Kitae Baek	Korea	Chonbuk National University	Poster	In-Situ Field Application of Electrokinetic Remediation for As-Contaminated Rice Paddy Site
June 9(Mon)	15:30~16:20	P1-73	Integrated Management Strategies for As and Cd in Rice Paddy	AK2431	Sungwook Yun	Korea	Institute of Agriculture & Life Science, Gyeongsang	Poster	Effect of limestone on the leaching characteristics of Cd, Zn, and As from submerged paddy soil
June 9(Mon)	15:30~16:20	P1-74	Integrated Management Strategies for As and Cd in Rice Paddy	AK3067	Won Il Kim	Korea	National Academy of Agricultural Science	Poster	Regression Model Development for Estimating Total Metal(loid) Contents in Paddy Soil
June 9(Mon)	15:30~16:20	P1-75	Integrated Management Strategies for As and Cd in Rice Paddy	AK3068	Won Il Kim	Korea	National Academy of Agricultural Science	Poster	Varietal differences of rice on the heavy metal(loid)s uptake grown at the paddy soils near closed mines in Korea
June 9(Mon)	15:30~16:20	P1-76	Integrated Management Strategies for As and Cd in Rice Paddy	AK3174	Jihyock Yoo	Korea	National Academy of Agricultural Science, Rural	Poster	Study on the effect of soil amendments on reducing As and Cd uptake by Rice
June 9(Mon)	15:30~16:20	P1-77	Soil Development and Soil Properties and Functions	AF0011	Tadao Aoda	Japan	Niigata University	Poster	Development of functions of the subsurface drain systems
June 9(Mon)	15:30~16:20	P1-78	Soil Development and Soil Properties and Functions	AF0024	Hongwei Tan	China	Guangxi Academy of Agricultural Sciences	Poster	Influence of long-term application of different fertilizers on soil acidification and sugarcane yield
June 9(Mon)	15:30~16:20	P1-79	Soil Development and Soil Properties and Functions	AF0049	Michael Heaven	Australia	Department of Environment and Primary Industries	Poster	Metabolomic analyses of phospholipid and fatty acid concentration changes on a dairy farm due to changes in cultivation, pasture and
June 9(Mon)	15:30~16:20	P1-80	Soil Development and Soil Properties and Functions	AF0060	Donald Gabriels	Belgium	Ghent University	Poster	The streampower concept for assessing the sediment concentration in interrill overland flow
June 9(Mon)	15:30~16:20	P1-81	Soil Development and Soil Properties and Functions	AF0069	Crepin Bi Pene	Ivory Coast	SUCAFCI/SOMDIAA	Poster	Sprinkler Irrigation and Soil Tillage Practices in Sugarcane Plantations as influenced by Soil Texture and Water Storage in northern Ivory
June 9(Mon)	15:30~16:20	P1-82	Soil Development and Soil Properties and Functions	AF0127	Teodor Rusu	Romania	University of Agricultural Sciences and Veterinary	Poster	Impact of Climate Change on Crop Land and Technological Recommendations for the Main Crops in Transylvanian Plain,
June 9(Mon)	15:30~16:20	P1-83	Soil Development and Soil Properties and Functions	AF0142	Wang Wenyng	China	Qinghai normal University	Poster	Nitrogen partitioning in artificial grassland ecosystems: a 15N tracer field study on the Tibetan Plateau
June 9(Mon)	15:30~16:20	P1-84	Soil Development and Soil Properties and Functions	AF0145	Jiguang Zhang	China	Tobacco Research Institute of Chinese Academy of	Poster	Effects of different tobacco planting patterns on soil N transformation intensity and the microbial community
June 9(Mon)	15:30~16:20	P1-85	Soil Development and Soil Properties and Functions	AF0175	Adriano Stephan Nascente	Brazil	Brazilian Agricultural Research Corporation	Poster	Cover crops species as affecting soil aggregation, aggregate stability, organic carbon concentration and soil bulk density in different soil
June 9(Mon)	15:30~16:20	P1-86	Soil Development and Soil Properties and Functions	AF0223	Marjan Ansari	Iran	Science and research branch-Islamic Azad univesity-	Poster	Lenghtful sugarcane cultivation impact on some soil characteristics.
June 9(Mon)	15:30~16:20	P1-87	Soil Development and Soil Properties and Functions	AF0246	Yuwu Li	China	Xishuangbanna Tropical Botanical Garden, Chinese	Poster	Rubber plantation is similar to natural secondary forest in soil organic carbon storage in a north-edge tropical ecosystem: in a
June 9(Mon)	15:30~16:20	P1-88	Soil Development and Soil Properties and Functions	AF0252	Hu Hong	China	Ocean university of China	Poster	Study on the salt ions spatial distribution and plant community succession relations of reed marsh of Shuangtaizi River Estuary
June 9(Mon)	15:30~16:20	P1-89	Soil Development and Soil Properties and Functions	AF0263	Azadeh Gholoubi	Iran	University of Guilan	Poster	The effect of soil compaction on population densities of bacteria and fungi
June 9(Mon)	15:30~16:20	P1-90	Soil Development and Soil Properties and Functions	AF0346	Xiaoping Xin	China	Chongqing key laboratory of soil multi-scale interfacial	Poster	Spatial distribution of nitrifiers and nitrification associated with aggregates along a 2000 year chronosequence of rice cultivation
June 9(Mon)	15:30~16:20	P1-91	Soil Development and Soil Properties and Functions	AF0380	Sebastian K. Pagenkemper	Germany	Institute of Plant Nutrition and Soil Science, University	Poster	Soil-LT: Automatic and continuous determination of shrinkage behavior of soils
June 9(Mon)	15:30~16:20	P1-92	Soil Development and Soil Properties and Functions	AF0395	Michael Heaven	Australia	Department of Environment and Primary Industries	Poster	How to identify the important organic compounds from the soil matrix: metabolomics and the analyses of soil through soil water.

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June 9(Mon)	15:30~16:20	P1-93	Soil Development and Soil Properties and Functions	AF0399	Guoming Shen	China	Tobacco Research Institute of Chinese Academy of	Poster	Effects of Straw Returning on Soil Enzyme Activity, Composition and Stability of Soil Aggregates of Flue-cured Tobacco Field in
June 9(Mon)	15:30~16:20	P1-94	Soil Development and Soil Properties and Functions	AF0401	Parashuram Chandravanshi	India	University of Agricultural and Horticultural Sciences,	Poster	EFFECT OF DIFFERENT ORGANIC NUTRIENT SOURCES ON GROWTH, YIELD, UPTAKE AND ECONOMICS OF GROUNDNUT
June 9(Mon)	15:30~16:20	P1-95	Soil Development and Soil Properties and Functions	AF0412	Shaoshan An	China	Institute of soil and water conservation,CAS&MWR	Poster	Soil organic carbon sequestration affected by revegetation on the Loess Plateau, China
June 9(Mon)	15:30~16:20	P1-96	Soil Development and Soil Properties and Functions	AF0424	Katja Richter	Germany	Umwelt-Gerate-Technik GmbH	Poster	Application of laser triangulation for the determination of shrinkage behavior of soils in laboratory tests
June 9(Mon)	15:30~16:20	P1-97	Soil Development and Soil Properties and Functions	AF0426	Samuel Akintayo Akinseye	South Africa	University of Johannesburg	Poster	ASSESSING SOIL EROSION INTENSITY IN THE KLIPRIVERSBERG NATURE RESERVE
June 9(Mon)	15:30~16:20	P1-98	Soil Development and Soil Properties and Functions	AF0452	Juying Jiao	China	Northwest A&F University	Poster	Characteristics of soil seed bank in different ecological environments on the Chinese hill-gully Loess Plateau
June 9(Mon)	15:30~16:20	P1-99	Soil Development and Soil Properties and Functions	AF0462	Rotimi Ipinmoroti	Nigeria	Cocoa Research Institute of Nigeria	Poster	Soil nutrient dynamics in major agro-ecologies and implications for proper soil fertility management in Nigeria
June 9(Mon)	15:30~16:20	P1-100	Soil Development and Soil Properties and Functions	AF0497	Fengqin Chi	China	institute of soil fertilizer and environment resource	Poster	Effects of undisturbed soil removal of long-term located experiment on the combined forms of humus and the organo-mineral
June 9(Mon)	15:30~16:20	P1-101	Soil Development and Soil Properties and Functions	AF0638	Jianghu Cui	China	Guangdong Institute of Eco-Environmental and Soil	Poster	Arsenic Removal from Contaminated soil Using porous carbon-iron oxide functional nanostructures
June 9(Mon)	15:30~16:20	P1-102	Soil Development and Soil Properties and Functions	AF0697	Hamidreza Owliaie	Iran	Yasouj university	Poster	Role of topography and land use on magnetic susceptibility of soils of southwestern Iran
June 9(Mon)	15:30~16:20	P1-103	Soil Development and Soil Properties and Functions	AF0702	Mostafa Chorom	Iran	Shaid Chamran University	Poster	Effect of NH <sup>-4+</sup> -zeolite on growth characteristics of wheat and
June 9(Mon)	15:30~16:20	P1-104	Soil Development and Soil Properties and Functions	AF0714	Hanlin Zhang	China	Eco?environmental Protection Institute of SAAS,	Poster	Effects of intercropping on soil nutrients and enzyme activities in continuous Taro cropping fields
June 9(Mon)	15:30~16:20	P1-105	Soil Development and Soil Properties and Functions	AF0730	Guo Minghang	China	Institute of soi land water conservation northwest A&F	Poster	Study of digital photogrammetric observation techniques and methods in the hillslope soil erosion processes
June 9(Mon)	15:30~16:20	P1-106	Soil Development and Soil Properties and Functions	AF0839	Yi Li	China	College of Water Resources and Architecture	Poster	Effects of two-point-source overlap sewage trickle irrigation on the distributions of soil water content, soil salt content and WDPT
June 9(Mon)	15:30~16:20	P1-107	Soil Development and Soil Properties and Functions	AF0887	Qurban Ali Panhwar	Pakistan	Agriculture Department	Poster	IMPROVING THE PRODUCTIVITY OF ACIDIC SULFATE SOILS OF MALAYSIA BY USING SOIL AMENDMENTS FOR INCREASED RICE
June 9(Mon)	15:30~16:20	P1-108	Soil Development and Soil Properties and Functions	AF0919	Shihe Xing	China	Fujian Agriculture and Forestry University	Poster	The uptake of intact soluble organic N by two forest species in subtropics
June 9(Mon)	15:30~16:20	P1-109	Soil Development and Soil Properties and Functions	AF0925	Qiushi Ning	Australia	Environmental Futures Research Institute	Poster	Effects of nitrogen deposition rates and frequencies on the abundance of soil nitrogen functional genes in a typical steppe of
June 9(Mon)	15:30~16:20	P1-110	Soil Development and Soil Properties and Functions	AF1046	Dongnan Hu	China	Jiangxi agricultural university	Poster	Effects of potassium on growth, photosynthetic characteristics and yield of Camellia oleifera Abel
June 9(Mon)	15:30~16:20	P1-111	Soil Development and Soil Properties and Functions	AF1050	Tomoyoshi Murata	Japan	National Institute for Environmental Studies	Poster	Sedimentation processes of phosphorus in the catena in dam reservoirs in the Mekong River Basin
June 9(Mon)	15:30~16:20	P1-112	Soil Development and Soil Properties and Functions	AF1084	Ulfah Mardhiah	Germany	Freie Universitat Berlin	Poster	Just a matter of time: fungi and roots significantly and rapidly aggregate soil over four decades in Fiume Tagliamento, NE Italy
June 9(Mon)	15:30~16:20	P1-113	Soil Development and Soil Properties and Functions	AF1089	Mansonia Pulido Moncada	Belgium	Ghent University	Poster	Assessing soil structural quality using visual examinations and classical tests
June 9(Mon)	15:30~16:20	P1-114	Soil Development and Soil Properties and Functions	AF1140	Xiangyin Xi	China	southwest university	Poster	The effect of <sup>13</sup> C and <sup>15</sup> N-labelled green manures on the dynamic changes of the soil microbial biomass C and N
June 9(Mon)	15:30~16:20	P1-115	Soil Development and Soil Properties and Functions	AF1158	Juan Liu	China	Southwest University, Chongqing, China	Poster	Changes in geochemistry of soils induced by foreign soil reconstruction project in the Three Gorges Reservoir area, China:
June 9(Mon)	15:30~16:20	P1-116	Soil Development and Soil Properties and Functions	AF1161	Fei Ma	China	Institute of Soil Science, Chinese Academy of	Poster	Depth Profiling of Soil Organic Matter and Minerals Distribution using Fourier Transform Mid-infrared Photoacoustic Spectroscopy

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June 9(Mon)	15:30~16:20	P1-117	Soil Development and Soil Properties and Functions	AF1251	Katja Richter	Germany	Umwelt-Gerate-Technik GmbH	Poster	A new technology for a controlled tension gradient in lysimeters in accordance with the surrounding soil
June 9(Mon)	15:30~16:20	P1-118	Soil Development and Soil Properties and Functions	AF1297	Boris Vrbek	Croatia	Croatian Forest Research Institute	Poster	FOREST SOILS AND VEGETATION OF THE MEDITERRANEAN REGION OF CROATIA
June 9(Mon)	15:30~16:20	P1-119	Soil Development and Soil Properties and Functions	AF1306	Raisa Makarevich	Russia	Pacific Institute of Geography Far Eastern	Poster	Long-term monitoring of technogenically eroded soils in Primorsky Krai (Russia)
June 9(Mon)	15:30~16:20	P1-120	Soil Development and Soil Properties and Functions	AF1489	Angelika Koelbl	Germany	TU Muenchen	Poster	Changes in properties of different soils exposed to paddy management
June 9(Mon)	15:30~16:20	P1-121	Soil Development and Soil Properties and Functions	AF1553	Ibrahim Issa	Libya	Agriculture Faculty, Sirte University	Poster	Examination of background variables during soil pH determination by remote sensing
June 9(Mon)	15:30~16:20	P1-122	Soil Development and Soil Properties and Functions	AF1622	Ren-Min Yang	China	State Key Laboratory of Soil and Sustainable Agriculture,	Poster	Estimation of Soil Texture using Observed Soil Moisture in an Oasis of the Heihe River Basin, Northwest China
June 9(Mon)	15:30~16:20	P1-123	Soil Development and Soil Properties and Functions	AF1640	Hossein Ghadiri	Australia	Griffith University	Poster	Measuring cadmium in soils and leachate water using double mixed layer DGT in a sandy soil
June 9(Mon)	15:30~16:20	P1-124	Soil Development and Soil Properties and Functions	AF1672	Richard Doyle	Australia	University of Tasmania	Poster	Soils and land use potential in Central Province of PNG
June 9(Mon)	15:30~16:20	P1-125	Soil Development and Soil Properties and Functions	AF1726	Jianguo Zhang	China	Northwest A&F University	Poster	Spatial-temporal distribution of soil salt crusts in the Taklimakan Desert Highway Shelterbelt of Northwest China
June 9(Mon)	15:30~16:20	P1-126	Soil Development and Soil Properties and Functions	AF1755	Nicola Louise Timbas	Philippines	University of the Philippines-Los Banos	Poster	Variability of Soil Properties along Selected Toposequences in Mt. Makiling Forest Reserve, Philippines
June 9(Mon)	15:30~16:20	P1-127	Soil Development and Soil Properties and Functions	AF1757	Affendy Hassan	Malaysia	UNIVERSITI MALAYSIA SABAH	Poster	Soil chemical properties of selected two herbs intercropped with Paraserianthes falcataria at degraded forest area in Tangkulap forest
June 9(Mon)	15:30~16:20	P1-128	Soil Development and Soil Properties and Functions	AF1813	Khoi Chau	Viet Nam	Cantho University	Poster	Soil nitrogen and phosphorus availability under hypersaline conditions
June 9(Mon)	15:30~16:20	P1-129	Soil Development and Soil Properties and Functions	AF1849	Wolfgang Schaaf	Germany	Brandenburg University of Technology	Poster	Feedbacks between litter decomposition and weathering in young sandy soils
June 9(Mon)	15:30~16:20	P1-130	Soil Development and Soil Properties and Functions	AF1910	Sindor Pardaev	Uzbekistan	Samarkand Agricultural Institution	Poster	Influence of organo-mineral composts on agrochemical properties serozem soils of Uzbekistan
June 9(Mon)	15:30~16:20	P1-131	Soil Development and Soil Properties and Functions	AF1934	Hamdi Sahraoui	Tunisia	INRGREF	Poster	Physicochemical impact of irrigation with treated wastewater on soil: Case study of Cebala Borj Touil perimeter (Tunisia)
June 9(Mon)	15:30~16:20	P1-132	Soil Development and Soil Properties and Functions	AF1944	Tulkin Ortikov	Uzbekistan	Samarkand Agricultural Institute	Poster	Fertility of soils of Zarafshan valley of Uzbekistan and its change under the influence of natural and anthropogenic factors
June 9(Mon)	15:30~16:20	P1-133	Soil Development and Soil Properties and Functions	AF1949	Sindor Pardaev	Uzbekistan	Samarkand Agricultural Institution	Poster	Change of temperature and humidity of soil at its regulation
June 9(Mon)	15:30~16:20	P1-134	Soil Development and Soil Properties and Functions	AF1981	Yonghong Liu	China	Huazhong Agricultural University	Poster	Electrostatic Properties of Permanent Charge and Variable Charge Soil Inorganic Colloids
June 9(Mon)	15:30~16:20	P1-135	Soil Development and Soil Properties and Functions	AF2032	Ahmad Heidari	Iran	University of Tehran	Poster	Capability of tuff and tuff derived soils in carbon stabilization
June 9(Mon)	15:30~16:20	P1-136	Soil Development and Soil Properties and Functions	AF2033	Beata Houskova	Slovakia	Soil Science and Conservation Research	Poster	WATER HOLDING CAPACITY OF AGRICULTURAL SOILS
June 9(Mon)	15:30~16:20	P1-137	Soil Development and Soil Properties and Functions	AF2057	Magdi Selim	USA	Louisiana State University	Poster	Silver Transport in Soils: Infuence of Zinc
June 9(Mon)	15:30~16:20	P1-138	Soil Development and Soil Properties and Functions	AF2066	Wassila Riah	France	Esitpa engineering school of agriculture	Poster	Structure and Function relationships in microbial communities: a heat shock experiment
June 9(Mon)	15:30~16:20	P1-139	Soil Development and Soil Properties and Functions	AF2084	Marcela Midori Yada	Brazil	Universidade Estadual Paulista FCAV/UNESP	Poster	Chemical attributes of a degraded soil by mining in the mine Serra da Onca, Amazona Basin, Brazil, under reclamation
June 9(Mon)	15:30~16:20	P1-140	Soil Development and Soil Properties and Functions	AF2129	Daniel Uteau	Germany	University of Kassel	Poster	Biological tillage effect on macropore network and its consequences for gas diffusion

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June 9(Mon)	15:30~16:20	P1-141	Soil Development and Soil Properties and Functions	AF2185	Jorge Ivelic	Chile	Universidad Austral de Chile	Poster	EFFECT OF DIFFERENT PASTURES IMPROVEMENT STRATEGIES ON THE FUNCTIONAL RESISTANCE AND RESILIENCE OF THE POROUS
June 9(Mon)	15:30~16:20	P1-142	Soil Development and Soil Properties and Functions	AF2189	Bruno Ribeiro	Brazil	Universidade Federal de Uberlandia	Poster	Total applied energy versus cavitation intensity: how soil aggregate stability can be accessed using ultrasound?
June 9(Mon)	15:30~16:20	P1-143	Soil Development and Soil Properties and Functions	AF2236	Daniel Akwa Okae-Anti	Ghana	University of Cape Coast, School of Agriculture	Poster	Effect of variation in parent material on growth and yield of Hevea brasiliensis (Para rubber)
June 9(Mon)	15:30~16:20	P1-144	Soil Development and Soil Properties and Functions	AF2274	Lijun Yan	China	Shanghai University	Poster	Preparation of polyvinylpyrrolidone-stabilized Fe0 nanoparticles for remediation of Cr(VI)-spiked soil
June 9(Mon)	15:30~16:20	P1-145	Soil Development and Soil Properties and Functions	AF2340	C Sudharshana	India	university of agricultural sciences, raichur , india	Poster	EFFECT OF IMAZETHAPYR AND PENDIMETHALIN ON NITROGEN FIXING ABILITY AND PLANT GROWTH PARAMETERS IN
June 9(Mon)	15:30~16:20	P1-146	Soil Development and Soil Properties and Functions	AF2366	Viacheslav Vasenev	Russia	Russian State Agrarian University	Poster	Driving factor behind spatial variability of carbon stocks and fluxes in urban soils of Central European Russia
June 9(Mon)	15:30~16:20	P1-147	Soil Development and Soil Properties and Functions	AF2374	Nihal Sirisena	Sri Lanka	Department of Agriculture	Poster	Evaluation of some fertility parameters of lowland rice growing soils under different fertilizer managements
June 9(Mon)	15:30~16:20	P1-148	Soil Development and Soil Properties and Functions	AF2390	Upul Rathnayake	Sri Lanka	Department of Agriculture	Poster	Distribution of rain fed paddy fields and variation of pH and EC in three major climatic zones of Kurunegala district in Sri Lanka
June 9(Mon)	15:30~16:20	P1-149	Soil Development and Soil Properties and Functions	AF2395	Sen Dou	China	Jilin Agricultural University	Poster	The possibility of Anabaena flos-aquae spontaneously form humus
June 9(Mon)	15:30~16:20	P1-150	Soil Development and Soil Properties and Functions	AF2585	Mohammad Reza Neyshabouri	Iran	Univ. of Tabriz, Iran	Poster	Estimating of soil-water characteristic curve using air permeability
June 9(Mon)	15:30~16:20	P1-151	Soil Development and Soil Properties and Functions	AF2592	Jesus Baca	Brazil	Embrapa Solos	Poster	Soil Digital Mapping: Carbon Organic Maps of Brazil
June 9(Mon)	15:30~16:20	P1-152	Soil Development and Soil Properties and Functions	AF2607	Jesus Baca	Brazil	Embrapa Solos	Poster	Soil Organic Carbon Maps of Brazil Using Digital Soil Modeling
June 9(Mon)	15:30~16:20	P1-153	Soil Development and Soil Properties and Functions	AF2700	Qiang Ma	China	Institute of Applied Ecology, Chinese Academy of	Poster	Partition of nitrogen between microbial biomass nitrogen and plant nitrogen uptake influenced by dicyandiamide, hydroquinone and
June 9(Mon)	15:30~16:20	P1-154	Soil Development and Soil Properties and Functions	AF2714	Youcai Xiong	China	Lanzhou University, China	Poster	Stoichiometric indicators of saline soil in desert and oasis ecotone of Manas River watershed, northwest China
June 9(Mon)	15:30~16:20	P1-155	Soil Development and Soil Properties and Functions	AF2760	Kun-Jun Han	USA	Louisiana State University Agricultural Center	Poster	Effect of Overseeded Forage Radish for Improving Soil Properties and Recovering Excessive Nitrogen in Southern Pastureland
June 9(Mon)	15:30~16:20	P1-156	Soil Development and Soil Properties and Functions	AF2784	Xiaorong Zhao	China	China Agricultural University	Poster	The characters and differences of soil organic C fractions in Leymus chinensis grassland applied N and P fertilizers for 5 years in Inner
June 9(Mon)	15:30~16:20	P1-157	Soil Development and Soil Properties and Functions	AF2810	Aweke Muluaem Gelaw	Norway	Mekelle University; Norwegian University of Life	Poster	Soil Organic Carbon and Total Nitrogen Stocks under Different Land Uses in Tigray, Northern Ethiopia
June 9(Mon)	15:30~16:20	P1-158	Soil Development and Soil Properties and Functions	AF2844	Sudarshan Dutta	India	International Plant Nutrition Institute	Poster	Evaluating Soil Fertility Parameters in Maize Growing Smallholder Agricultural Systems of West Bengal, India using wet chemistry and
June 9(Mon)	15:30~16:20	P1-159	Soil Development and Soil Properties and Functions	AF2874	Emmanuel Olowolafe	Nigeria	University of Jos, Nigeria	Poster	RECLTIVATION OF MINESPOIL SOILS ON THE JOS PLATEAU, NIGERIA
June 9(Mon)	15:30~16:20	P1-160	Soil Development and Soil Properties and Functions	AF2878	Mojtaba Yahyaabadi	Iran	Iran Agricultural Research Center	Poster	Effects of biochar and vermicompost amendments on phytoavailability of cadmium in a calcareous soil
June 9(Mon)	15:30~16:20	P1-161	Soil Development and Soil Properties and Functions	AF2904	Maria Cristina Sanchez	Argentina	INTA (Instituto Nacional de Tecnologia Agropecuaria)	Poster	ROTATION SOIL EFFECTS ON SOIL PROFILE: ORGANIC CARBON AND NITROGEN IN A SEMIARID ZONE OF ARGENTINA
June 9(Mon)	15:30~16:20	P1-162	Soil Development and Soil Properties and Functions	AF2918	Mathieu Lamande	Denmark	Aarhus University	Poster	Physical characterization of top- and subsoils and their implications in stress propogation
June 9(Mon)	15:30~16:20	P1-163	Soil Development and Soil Properties and Functions	AF2919	Ludmsla Petrova	Ukraine	NATIONAL ACADEMY OF SCIENCES OF UKRAINE M P.	Poster	Geochemical model of the distribution of metals in the surface layer of the supergene zone ( soils )
June 9(Mon)	15:30~16:20	P1-164	Soil Development and Soil Properties and Functions	AF2946	Francisco Bautista	Mexico	Universidad Nacional Autonoma de Mexico	Poster	Environmental functions of the farmer's land classes into the zone of influence in two natural protected areas of Michoacan, Mexico

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June 9(Mon)	15:30~16:20	P1-165	Soil Development and Soil Properties and Functions	AF3011	Zhou Beibei	China	Xi'an University of Technology	Poster	Estimation of the Brooks-Corey Soil Characteristic Curve with the Tension Disc Infiltrometer Data
June 9(Mon)	15:30~16:20	P1-166	Soil Development and Soil Properties and Functions	AF3015	Galina Konarbaeva	Russia	Institute of Soil Science and Agricultural Chemistry,	Poster	The total content and distribution of iodine in the profile of some soils and plants of Western Siberia
June 9(Mon)	15:30~16:20	P1-167	Soil Development and Soil Properties and Functions	AF3028	Arifin Abdu	Malaysia	Universiti Putra Malaysia, Malaysia	Poster	The potential of exotic and native species plantation to improve the productivity of degraded forestland in Malaysia
June 9(Mon)	15:30~16:20	P1-168	Soil Development and Soil Properties and Functions	AF3087	Owolabi Nurudeen	Nigeria	obafemi awolowo university	Poster	GEOSTATISTICAL APPROACH TO OPTIMIZE IMPACT OF LONG TERM CULTIVATION AND FERTILITY MANAGEMENT ON SOIL SURFACE
June 9(Mon)	15:30~16:20	P1-169	Soil Development and Soil Properties and Functions	AF3236	Jaya Das	USA	North Florida Research and Education Center	Poster	Development of an assay for estimating root phosphatase activity from excised plant roots
June 9(Mon)	15:30~16:20	P1-170	Soil Development and Soil Properties and Functions	AF3240	Yichao Rui	Australia	The University of Western Australia	Poster	Effects of light fraction organic matter on key soil functions and microbial communities in dryland agricultural systems of Western
June 9(Mon)	15:30~16:20	P1-171	Soil Development and Soil Properties and Functions	AF3269	Esther Imasuen	Nigeria	SOIL SCIENCE FACULTY OF AGRICULTURE UNIVERSITY	Poster	Residual Effect of Poultry Manure on Selected Soil Properties, Growth and Yield of Okra in an Ultisol
June 9(Mon)	15:30~16:20	P1-172	Soil Development and Soil Properties and Functions	AK0600	Young Sang Kim	Korea	Chungbuk Agricultural Research and Extension	Poster	Characteristics of Soil Physico-Chemical of Watermelon Field under Plasic Film House in Chungbuk Province
June 9(Mon)	15:30~16:20	P1-173	Soil Development and Soil Properties and Functions	AK0871	Soonik Kwon	Korea	NAAS, RDA	Poster	Background concentration of heavy metals in soils developed from different parent rocks in Korea
June 9(Mon)	15:30~16:20	P1-174	Soil Development and Soil Properties and Functions	AK0927	Kangho Jung	Korea	National Academy of Agricultural Science	Poster	Textural interfaces affected the distribution of roots, water, and nutrients in reconstructed soils
June 9(Mon)	15:30~16:20	P1-175	Soil Development and Soil Properties and Functions	AK1168	Hee Rae Cho	Korea	RDA	Poster	Development for standard of soil physical properties for upland soil in Korea
June 9(Mon)	15:30~16:20	P1-176	Soil Development and Soil Properties and Functions	AK1605	Jeongsik Park	Korea	Korea Testing and Research Institute	Poster	Quantifying uncertainty in the measurement of heavy metals in the soil.
June 9(Mon)	15:30~16:20	P1-177	Soil Development and Soil Properties and Functions	AK1686	Jessie Gutierrez	Korea	Gyeongsang National University	Poster	Influence of Rice Varietal Characteristics on Methane Emission in a Temperate Paddy Soil
June 9(Mon)	15:30~16:20	P1-178	Soil Development and Soil Properties and Functions	AK1703	Seungka Oh	Korea	Gyungnam natural university of science and technilogy	Poster	Effect of Wheat-Soybean Cropping systems and No-tillage on soil structure and Chemical properties
June 9(Mon)	15:30~16:20	P1-179	Soil Development and Soil Properties and Functions	AK1781	Seungka Oh	Korea	Gyungnam natural university of science and technilogy	Poster	Effects on soil carbon by green manure crops at rice paddy fields under tillage methods
June 9(Mon)	15:30~16:20	P1-180	Soil Development and Soil Properties and Functions	AK1818	Ki-Yuol Jung	Korea	National Institute of Crop Science, RDA	Poster	Response to Excessive Water Stress of Upland Crops by Subsurface Drainage in Poorly Drained Sloping Paddy Fields
June 9(Mon)	15:30~16:20	P1-181	Soil Development and Soil Properties and Functions	AK2346	Hogul Kim	Korea	Seoul National University	Poster	Properties of Soil in Landslide Hazard Area in Pyeongchang-gun in Korea
June 9(Mon)	15:30~16:20	P1-182	Soil Development and Soil Properties and Functions	AK2396	Chang Hoon Lee	Korea	National Academy Agricultural Science	Poster	Effects of different tree types on microbial community structure in the Mt. Jiri of Korea
June 9(Mon)	15:30~16:20	P1-183	Soil Development and Soil Properties and Functions	AK2467	Seongtae Lee	Korea	Gyeongsangnam-do Agricultural Research and	Poster	Influence of Cultivated Regions in Organic and Conventional Farming Paddy Field
June 9(Mon)	15:30~16:20	P1-184	Soil Development and Soil Properties and Functions	AK2683	Young Dae Choi	Korea	NICS, RDA	Poster	Verification of phenomenon explanatory power of new concept model on time-series decrease of crop production during conversion
June 9(Mon)	15:30~16:20	P1-185	Soil Development and Soil Properties and Functions	AK3039	Taek-Keun Oh	Korea	National Academy of Agricultural Science, RDA,	Poster	Comparison of land use types on soil organic carbon under different altitude of Mt. Odae areas, Korea
June 9(Mon)	15:30~16:20	P1-186	Soil Development and Soil Properties and Functions	AK3040	Taek-Keun Oh	Korea	National Academy of Agricultural Science, RDA,	Poster	Nutrient balances and soil properties affected by application of crop residue
June 9(Mon)	15:30~16:20	P1-187	Soil Development and Soil Properties and Functions	AK3070	Sun-Gang Yun	Korea	National Academy of Agricultural Science. Rural	Poster	Evaluation on the equilibrium distribution patterns of trace metals by comparison with pH and EC in uncultivated soil in Korea.
June 9(Mon)	15:30~16:20	P1-188	Soil Development and Soil Properties and Functions	AK3091	Sang Ho Yang	Korea	Jeju Special Self-governing Province Agricultural	Poster	Chemical Properties Changes and Fertilization Status of Upland Soil in Jeju Island

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June 9(Mon)	15:30~16:20	P1-189	Soil Development and Soil Properties and Functions	AK3108	Ahn Sung Roh	Korea	Gyeonggi-do agricultural research & extension	Poster	Changes of Chemical Properties of Orchard Soils in Gyeonggi Province
June 9(Mon)	15:30~16:20	P1-190	Soil Development and Soil Properties and Functions	AK3124	Kido Park	Korea	RDA	Poster	Effect of long-term fertilization of organic matter on soil physical properties in paddy soil
June 9(Mon)	15:30~16:20	P1-191	Soil Development and Soil Properties and Functions	AK3125	Mi Jin Chae	Korea	National Academy of Agri. Sci. RDA	Poster	Distribution of stable Pb isotopes in natural forest soils, Korea
June 9(Mon)	15:30~16:20	P1-192	Soil Development and Soil Properties and Functions	AK3127	Myung Suk Kong	Korea	Division of Soil and Fertilizer, National Academy of	Poster	Effects of Redox Potential and pH Condition on Nitrogen Stability
June 9(Mon)	15:30~16:20	P1-193	Soil Development and Soil Properties and Functions	AK3201	Rog-Young Kim	Korea	Kangwon National University	Poster	Development of an assessment system for soil quality based on soil functions in Korea
June 9(Mon)	15:30~16:20	P1-194	Soil Development and Soil Properties and Functions	AF3323	Qiwu Sun	China	Research Institute of Forestry,Chinese Academy of	Poster	Research on Dynamic Changes of Rhizosphere Soil Properties of Alder Birch Plantation
June 9(Mon)	15:30~16:20	P1-195	Modelling of Soil Properties and Processes - Challenges and	AF0035	Michihiro Hara	Japan	Iwate University	Poster	Temperature regime observed and analyzed for a Japanese Andosol.
June 9(Mon)	15:30~16:20	P1-196	Modelling of Soil Properties and Processes - Challenges and	AF0059	Nozar Ghahreman	Iran	UNIVERSITY OF TEHRAN	Poster	Development of a simple model for estimation of soil moisture content using routine weather data and comparison with multiple
June 9(Mon)	15:30~16:20	P1-197	Modelling of Soil Properties and Processes - Challenges and	AF0075	Martin Gerzabek	Austria	University of Natural Resources and Lifes Sciences	Poster	Molecular modelling of humic substances
June 9(Mon)	15:30~16:20	P1-198	Modelling of Soil Properties and Processes - Challenges and	AF0094	Hua Zhang	China	Yantai Institute of Coastal Zone Research,Chinese	Poster	Modeling pH effect on antimony(V) adsorption-desorption and transport
June 9(Mon)	15:30~16:20	P1-199	Modelling of Soil Properties and Processes - Challenges and	AF0144	Shuxia Wu	China	Chinese Academy of Agricultural Sciences	Poster	Exploring on integration of soil nutrient grading index for large-regional soil nutrient mapping in China
June 9(Mon)	15:30~16:20	P1-200	Modelling of Soil Properties and Processes - Challenges and	AF0250	Ali Keshavarzi	Iran	University of Tehran	Poster	Computational intelligence-based model for prediction of Soil Cation Exchange Capacity: A Data Mining approach
June 9(Mon)	15:30~16:20	P1-201	Modelling of Soil Properties and Processes - Challenges and	AF0275	Stephen Anderson	USA	University of Missouri	Poster	Assessment of CT-Measured Pore Characteristics and Soil Physical Properties Using Principal Component Analysis
June 9(Mon)	15:30~16:20	P1-202	Modelling of Soil Properties and Processes - Challenges and	AF0393	Mingbin Huang	China	Soil Science Society of China	Poster	Effect of textural layering on water movement and alfalfa growth
June 9(Mon)	15:30~16:20	P1-203	Modelling of Soil Properties and Processes - Challenges and	AF0500	Ghani Akbar	Pakistan	Pakistan Agricultural Research Council	Poster	Managing lateral infiltration in permanent raised beds using different renovation methods on two soils
June 9(Mon)	15:30~16:20	P1-204	Modelling of Soil Properties and Processes - Challenges and	AF0570	Mohammadhassan Salehi	Iran	Shahrekord University	Poster	The Effect of Sampling Density on the Accuracy of Estimation for some of Soil Properties in Shahrekord Plain, Iran
June 9(Mon)	15:30~16:20	P1-205	Modelling of Soil Properties and Processes - Challenges and	AF0597	Nicholas Holden	Ireland	University College Dublin	Poster	Quantification of soil quality using VIS-NIR spectra
June 9(Mon)	15:30~16:20	P1-206	Modelling of Soil Properties and Processes - Challenges and	AF0648	Irina Mikheeva	Russia	Institute of Soil Science and Agrochemistry of Siberian	Poster	Contemporary Temporal Alterations of Probabilistic Models of Soil Properties at the Different Scales in the South of Western Siberia
June 9(Mon)	15:30~16:20	P1-207	Modelling of Soil Properties and Processes - Challenges and	AF0788	Sung-Ho Hong	USA	Murray State University	Poster	COMPARISON OF REMOTE SENSING ENERGY BALANCE MODELS: SEBAL V.S. METRIC
June 9(Mon)	15:30~16:20	P1-208	Modelling of Soil Properties and Processes - Challenges and	AF0803	Dianyuan Ding	China	Northwest A&F University	Poster	the Modified Pore-Solid Fractal Model for the Soil Water Retention Function
June 9(Mon)	15:30~16:20	P1-209	Modelling of Soil Properties and Processes - Challenges and	AF0854	Andreas Schwen	Austria	BOKU University of Natural Resources and Life Sciences	Poster	Modeling land-use-induced soil pore-space changes: State of the art and perspectives
June 9(Mon)	15:30~16:20	P1-210	Modelling of Soil Properties and Processes - Challenges and	AF0857	Joshua Ogunwole	Nigeria	Federal University	Poster	Describing spatial process and prediction of soil aggregate stability at different scales in a teak ( <i>Tectonia grandis</i> ) plantation in a
June 9(Mon)	15:30~16:20	P1-211	Modelling of Soil Properties and Processes - Challenges and	AF0876	Wenceslau Teixeira	Brazil	Embrapa Soils	Poster	Modeling the formation and evolution of some characteristics of Anthrosols: studies of Amazonian Dark Earths (Terra Preta de Indio),
June 9(Mon)	15:30~16:20	P1-212	Modelling of Soil Properties and Processes - Challenges and	AF0877	Davood Rezaei	Iran	University of zanzuan	Poster	Modified composition of clay in monument repairing

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Date	Time	Code-N	Session	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 9(Mon)	15:30~16:20	P1-213	Modelling of Soil Properties and Processes - Challenges and	AF0933	Sarah Richards	Australia	EPA Division	Poster	A comparison of the temporal relationship between liquid P application and P concentration in surface runoff for two contrasting
June 9(Mon)	15:30~16:20	P1-214	Modelling of Soil Properties and Processes - Challenges and	AF0983	Gang Liu	China	China Agricultural University	Poster	Effects of grain size, probe diameter and filling material on thermal conductivity and contact thermal conductivity measurements
June 9(Mon)	15:30~16:20	P1-215	Modelling of Soil Properties and Processes - Challenges and	AF0990	Ahmad Kurnain	Indonesia	Department of Soil Science, Faculty of Agriculture,	Poster	Dynamics of base cations in raised bed soils on tidal swamps
June 9(Mon)	15:30~16:20	P1-216	Modelling of Soil Properties and Processes - Challenges and	AF1042	Yili Lu	China	China Agricultural University	Poster	A Model for Estimating Soil Thermal Conductivity from Texture, Water Content, and Bulk Density at Moderate Temperature
June 9(Mon)	15:30~16:20	P1-217	Modelling of Soil Properties and Processes - Challenges and	AF1079	Kefeng Zhang	China	Ningbo Institute of Technology, Zhejiang	Poster	Determination of optimal irrigation rate and time for various soils using Hydrus-1D model
June 9(Mon)	15:30~16:20	P1-218	Modelling of Soil Properties and Processes - Challenges and	AF1108	Jianting Zhu	USA	University of Wyoming	Poster	Dependence of Soil Anisotropy on Capillary Pressure
June 9(Mon)	15:30~16:20	P1-219	Modelling of Soil Properties and Processes - Challenges and	AF1214	Welivitiyage Don Dimuth Prasad	Australia	University of Newcastle	Poster	Contributingarea-Slope relationship and it's implication of soil grading on hillslopes.
June 9(Mon)	15:30~16:20	P1-220	Modelling of Soil Properties and Processes - Challenges and	AF1215	Xiang-Yu Tang	China	Institute of Mountain Hazards and Environment,	Poster	Temporal and vertical variation of a loam entisol's pore size distribution and hydraulic properties: Farmland vs forestland
June 9(Mon)	15:30~16:20	P1-221	Modelling of Soil Properties and Processes - Challenges and	AF1434	Khaled Haji Maleki	Iran	tehran university	Poster	Mapping soil degradation based on MEDALUS model using by GIS in the East Qazvin province, Iran
June 9(Mon)	15:30~16:20	P1-222	Modelling of Soil Properties and Processes - Challenges and	AF1650	Uta Stockmann	Australia	The University of Sydney	Poster	Modelling pedogenesis over millennial time scales
June 9(Mon)	15:30~16:20	P1-223	Modelling of Soil Properties and Processes - Challenges and	AF1680	Shoichiro Hamamoto	Japan	The University of Tokyo	Poster	Temperature Dependency of Solute Transport Characteristic in Soils at Saturated Condition
June 9(Mon)	15:30~16:20	P1-224	Modelling of Soil Properties and Processes - Challenges and	AF1824	Sabri Kanzari	Tunisia	INRGREF	Poster	Modeling of water movement and solute transport in multilayered Tunisian soil (Bouhajla - Central Tunisia) ? Assessment of salinization
June 9(Mon)	15:30~16:20	P1-225	Modelling of Soil Properties and Processes - Challenges and	AF1873	Roland Solc	Austria	University of Natural Resources and Life Sciences,	Poster	Wettability of organically coated tridymite surface as proxy for organo-mineral soil surfaces - Molecular dynamics study
June 9(Mon)	15:30~16:20	P1-226	Modelling of Soil Properties and Processes - Challenges and	AF2125	Abdelmonem Mohamed Ahmed	Egypt	Faculty of Agriculture, Menoufia University, Egypt &	Poster	Models for prediction of water flux in unsaturated zone in relation to capillary and non-capillary soil pores
June 9(Mon)	15:30~16:20	P1-227	Modelling of Soil Properties and Processes - Challenges and	AF2132	Nelson Ssemambo	Uganda	Crusade for Environmental Awareness Agency	Poster	ASSESSING THE USE OF DIGITIZED AGRICULTURAL DATA TO STRENGTHEN THE MODERNIZATION OF AGRICULTURE IN UGANDA.
June 9(Mon)	15:30~16:20	P1-228	Modelling of Soil Properties and Processes - Challenges and	AF2148	Cristian Schulthess	USA	University of Connecticut	Poster	Adsorption modeling from a pure ion-exchange point of view.
June 9(Mon)	15:30~16:20	P1-229	Modelling of Soil Properties and Processes - Challenges and	AF2216	Sarah Jane Hill	Australia	The University of Newcastle	Poster	An Assessment of Airborne Derived Radiometric Soil Data at the Catchment Scale
June 9(Mon)	15:30~16:20	P1-230	Modelling of Soil Properties and Processes - Challenges and	AF2241	Haly Neely	USA	Texas A&M University	Poster	The effect of soil information on air quality modeling
June 9(Mon)	15:30~16:20	P1-231	Modelling of Soil Properties and Processes - Challenges and	AF2256	Francisco Bautista	Mexico	Universidad Nacional Autonoma de Mexico	Poster	Software for the assessment of climate (Moclic), soil functions (Assofu), and agricultural water quality (Agriaqua) for land evaluation
June 9(Mon)	15:30~16:20	P1-232	Modelling of Soil Properties and Processes - Challenges and	AF2491	Kunio Watanabe	Japan	Mie University	Poster	Unfrozen water content of Andisol under different freezing and thawing conditions
June 9(Mon)	15:30~16:20	P1-233	Modelling of Soil Properties and Processes - Challenges and	AF2588	Florian Cobert	Belgium	Universite de Liege (GxABT)	Poster	Phosphorus availability in Walloon soils ? A modelling approach
June 9(Mon)	15:30~16:20	P1-234	Modelling of Soil Properties and Processes - Challenges and	AF2605	Wenjun Ji	China	Zhejiang University	Poster	Removing the effects of environmental factors from proximally sensed vis-NIR spectra
June 9(Mon)	15:30~16:20	P1-235	Modelling of Soil Properties and Processes - Challenges and	AF2983	Majid Karimpourreihan	Iran	University of Tehran	Poster	Application of Pedological Indicators on Desertification Assessment based on G.I.S and R.S (Case Study: Eshtehard Region,Iran)
June 9(Mon)	15:30~16:20	P1-236	Modelling of Soil Properties and Processes - Challenges and	AF3027	Hakki Emrah Erdogan	Turkey	Turkish Republic Ministry of Food, Agriculture and	Poster	Spatial Analysis for the Prediction of Soil Organic Carbon (SOC) Using Digital Soil Mapping (DSM) Techniques in Mediterranean

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June 9(Mon)	15:30~16:20	P1-237	Modelling of Soil Properties and Processes - Challenges and	AF3230	Hussein Othmanli	Germany	University of Hohenheim	Poster	Application of SOTER-Database Approach for Sustainable Management of River Oases along the Tarim River, China
June 9(Mon)	15:30~16:20	P1-238	Modelling of Soil Properties and Processes - Challenges and	AK1367	Gyejun Lee	Korea	National Institute of Crop Science	Poster	Response of soil losses on slope gradient and rainfall intensity by rainfall simulator
June 9(Mon)	15:30~16:20	P1-239	Modelling of Soil Properties and Processes - Challenges and	AK1596	Farnaz Pirasteh	Korea	pukyong National university	Poster	Data mining approach in soil carbonate determination problem using LARS and Lasso algorithms
June 9(Mon)	15:30~16:20	P1-240	Modelling of Soil Properties and Processes - Challenges and	AK2426	Jihye Lee	Korea	Kangwon National University	Poster	Development of Estimation Method for Crop Yield using MODIS and Process-based Model in US Corn Belt region
June 9(Mon)	All day	Art Poster	Soils in the Anthropocene Era: Global Health, Food Security, and Human		Bonnie Ora Sherk				
June 9(Mon)	15:30~16:20	P1-241	Soils in the Anthropocene Era: Global Health, Food Security, and Human	AF0205	Cherukumalli Srinivasarao	India	Central Research Institute for Dryland Agriculture	Poster	Participatory Soil Health Management and Food Security in Hundred Climate Vulnerable Districts of India
June 9(Mon)	15:30~16:20	P1-242	Soils in the Anthropocene Era: Global Health, Food Security, and Human	AF0382	Njukeng Nkengafac	Cameroon	Institute of agricultural Research for Development	Poster	Correlation Studies on Secondary Nutrients and Soil Properties in Soils Under rubber plantations in Cameroon
June 9(Mon)	15:30~16:20	P1-243	Soils in the Anthropocene Era: Global Health, Food Security, and Human	AF0732	Ngai Paing Tan	Japan	Ehime University, Japan	Poster	Soil Phosphorus Fractionation of Two Oil Palm Fields with Different Planting Age in Pahang, Malaysia.
June 9(Mon)	15:30~16:20	P1-244	Soils in the Anthropocene Era: Global Health, Food Security, and Human	AF0777	Mary Ogundiran	Nigeria	Department of Chemistry, University of Ibadan, Nigeria	Poster	Chemical and leaching characteristics of lead smelting slags from four open contaminated sites in Nigeria
June 9(Mon)	15:30~16:20	P1-245	Soils in the Anthropocene Era: Global Health, Food Security, and Human	AF0814	Darshani Kumaragamage	Canada	University of Winnipeg	Poster	Partitioning of different elements to solid and liquid separates with solid-liquid separation of swine slurry using different separation
June 9(Mon)	15:30~16:20	P1-246	Soils in the Anthropocene Era: Global Health, Food Security, and Human	AF0866	Guo Xiao	China	Henan Animal Husbandry and Economy	Poster	Studies on Application of high Se and Co alfalfa forage on Animal production
June 9(Mon)	15:30~16:20	P1-247	Soils in the Anthropocene Era: Global Health, Food Security, and Human	AF0868	Shen Yong-Shu	China	Henan Animal Husbandry and Economy	Poster	Studies on growth characteristics and productivities of mixed sowing forage plants
June 9(Mon)	15:30~16:20	P1-248	Soils in the Anthropocene Era: Global Health, Food Security, and Human	AF0869	Hu Hua-Feng	China	Henan Animal Husbandry and Economy	Poster	Migration effect of Selenium in soil-grass system
June 9(Mon)	15:30~16:20	P1-249	Soils in the Anthropocene Era: Global Health, Food Security, and Human	AF1104	Gina Villegas Pangga	Philippines	University of the Philippines Los Banos	Poster	VALUE ADDING OF ANIMAL WASTES TO REDUCE ENVIRONMENTAL LIABILITIES AND FOR THE IMPROVEMENT OF SOIL HEALTH
June 9(Mon)	15:30~16:20	P1-250	Soils in the Anthropocene Era: Global Health, Food Security, and Human	AF1584	Elena Mamaeva	Russia	Institute for biological problems of cryolithozone SB	Poster	Postagrogenic dynamic of soils on abandoned croplands of Cryolithozone
June 9(Mon)	15:30~16:20	P1-251	Soils in the Anthropocene Era: Global Health, Food Security, and Human	AF1874	Olanrewaju Bello	Nigeria	University of Calabar ,Calabar ,Nigeria	Poster	Forestry Species Effects on the Characteristics of the Poor South-Eastern Soils of Nigeria
June 9(Mon)	15:30~16:20	P1-252	Soils in the Anthropocene Era: Global Health, Food Security, and Human	AF1942	Bernard Okafor	Nigeria	National Horticultural Research Institute (NIHORT),	Poster	SOIL PROPERTIES, THEIR IMPACT ON CITRUS TREE LOSS AND THEIR MANAGEMENT.
June 9(Mon)	15:30~16:20	P1-253	Soils in the Anthropocene Era: Global Health, Food Security, and Human	AF2657	Sara Abasiyan	Iran	University of Tehran	Poster	A study on the cadmium sorption by two different humic acids: Effect of ionic strength on cadmium sorption and description of
June 9(Mon)	15:30~16:20	P1-254	Soils in the Anthropocene Era: Global Health, Food Security, and Human	AF2664	Sara Abasiyan	Iran	University of Tehran	Poster	A study on the cadmium sorption by two different humic acids: Effect of pH on the cadmium sorption
June 9(Mon)	15:30~16:20	P1-255	Soils in the Anthropocene Era: Global Health, Food Security, and Human	AF3133	Huaiyu Long	China	CAAS	Poster	The Attribution Study on Salinisation Soils in Northern Hebei Based on Chinese Soil Taxonomy
June 9(Mon)	15:30~16:20	P1-256	Soils in the Anthropocene Era: Global Health, Food Security, and Human	AF3239	David Lopez Cornelio	Papua New	PNG University of Technology	Poster	Land use conversion and soils degradation in a lowland tropical landscape of Papua New Guinea
June 9(Mon)	15:30~16:20	P1-257	Soils in the Anthropocene Era: Global Health, Food Security, and Human	AK0764	Kwon-Rae Kim	Korea	Gyeongnam National University of Science and	Poster	Variation in heavy metal accumulated in the edible part of nine different crop plants and their response to the changes in
June 9(Mon)	15:30~16:20	P1-258	Soils in the Anthropocene Era: Global Health, Food Security, and Human	AK0766	Kwon-Rae Kim	Korea	Gyeongnam National University of Science and	Poster	Variation in heavy metal accumulated in the roots of eleven different medicinal plants and their bioconcentration factors
June 9(Mon)	All day	Art Poster	African Eco-Efficient Solutions to Food Insecurity and Climate Change-		Helen Lessick				

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June 9(Mon)	15:30~16:20	P1-259	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF0155	Martin Anikwe	Nigeria	Enugu State University of Science and Technology	Poster	Establishing Environmentally Safe N Fertilizer Rates in a Dystric Leptosol Using Castor ( <i>Ricinus communis</i> L.) as a Test Crop
June 9(Mon)	15:30~16:20	P1-260	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF0185	Adamu Alhaji Yakubu	Nigeria	National Agricultural Extension and Research	Poster	FERTILITY CAPABILITY CLASSIFICATION OF SOILS OF THE SOKOTO-RIMA FLOOD PLAIN, NIGERIA
June 9(Mon)	15:30~16:20	P1-261	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF0201	N'guessan Alphone Kouassi	Ivory Coast	Centre National de Recherche Agronomique	Poster	Wet lands' valorisation with oil palm: a response to land scarcity and rainfall rarefaction in southern Cote d'Ivoire.
June 9(Mon)	15:30~16:20	P1-262	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF0402	Simeon Materechera	South Africa	North-West University	Poster	An innovative eco-garden system for sustainable food crop production for resource-poor households in South Africa
June 9(Mon)	15:30~16:20	P1-263	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF0438	Neal Eash	USA	The University of Tennessee	Poster	Using Conservation Agriculture to Intensify and Stabilize Agricultural Production in Southern Africa
June 9(Mon)	15:30~16:20	P1-264	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF0469	Hitoshi Shinjo	Japan	Kyoto University	Poster	Sustainable and efficient land management practices in the Sahel
June 9(Mon)	15:30~16:20	P1-265	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF0516	Zacharia Gnankambary	Burkina Faso	INERA	Poster	Short-term effects of compost and N-fertilizer inputs on maize performance and nutrient uptake in agroforestry parklands of
June 9(Mon)	15:30~16:20	P1-266	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF0993	Babagana Abubakar	Nigeria	Seabed International	Poster	The Position of Aecessibility to Fertilizer in Farming Activities in the Sub Saharan Africa Region: A Case Study of the Nigerian Rural Areas
June 9(Mon)	15:30~16:20	P1-267	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF0997	Rokhaya Fall	Senegal	FAO	Poster	SAHEL DEVELOPMENT THROUGH LANDS CAPABILITIES SURVIVING IN HARSH CONDITIONS
June 9(Mon)	15:30~16:20	P1-268	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF1290	Dawit Solomon	USA	Cornell University	Poster	Indigenous African soil enrichment as climate-smart sustainable agriculture alternative
June 9(Mon)	15:30~16:20	P1-269	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF1313	Mateugue Diack	Senegal	Universite Gaston Berger	Poster	Relationships between soil fertility indicators and toposequence: in the soudano sahelian area : case of the watershed of Koutango in
June 9(Mon)	15:30~16:20	P1-270	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF1670	Tomohiro Nishigaki	Japan	Kyoto University	Poster	Effect of application method and quality of crop residues on soil nitrogen dynamics in maize croplands with contrasting soil textures
June 9(Mon)	15:30~16:20	P1-271	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF1972	Rolf Sommer	Kenya	International Center for Tropical Agriculture (CIAT)	Poster	Assessing the long term sustainability of fertilizer micro-dosing in the Sahel
June 9(Mon)	15:30~16:20	P1-272	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF1983	Damian Asawalam	Nigeria	Michael Okpara University of Agriculture, Umudike	Poster	Effect of Organic and Inorganic Fertilizers on Potassium Status, Uptake and Yield of Sweet Potato ( <i>Ipomea batatas</i> (L) Lam) in An
June 9(Mon)	15:30~16:20	P1-273	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF1989	Damian Asawalam	Nigeria	Michael Okpara University of Agriculture, Umudike	Poster	Effects of Organic Manures and Urea on Soil Properties, Nutrient Uptake and Yield of <i>Amaranthus cruentus</i> in a Rainforest Ultisol in
June 9(Mon)	15:30~16:20	P1-274	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF2085	Arwyn Jones	Italy	European Union Joint Research Centre	Poster	Soil: the forgotten resource of Africa. The need for policy relevant assessments of the state of soil across Africa.
June 9(Mon)	15:30~16:20	P1-275	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF2773	Ermias Betemariam	Kenya	World Agroforestry Centre	Poster	Long-term effects prescribed burning and livestock enclosure management on soil carbon in dry savanna ecosystems of Africa
June 9(Mon)	15:30~16:20	P1-276	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF2858	Adornis Dakarai Nciizah	South Africa	University of Fort Hare	Poster	CRUSTING AND MODE OF SEEDLING EMERGENCE AS AFFECTED BY RAINFALL INTENSITY IN SOME QUARTZ DOMINATED SOUTH
June 9(Mon)	15:30~16:20	P1-277	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF2881	Isaiah Wakindiki	South Africa	University of Fort Hare	Poster	CRUST FORMATION, INFILTRATION AND EROSION IN SOME SOUTH AFRICAN SOILS
June 9(Mon)	15:30~16:20	P1-278	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF2895	Bashir Sani	Nigeria	Ahmadu Bello University	Poster	USE OF FARMER INDIGENOUS KNOWLEDGE TO STRENGTHEN SOIL AND WATER MANAGEMENT SKILLS BY FARMERS IN AN IRRIGATION
June 9(Mon)	15:30~16:20	P1-279	African Eco-Efficient Solutions to Food Insecurity and Climate Change	AF2985	Andrews Opoku	Ghana	KNUST	Poster	Sustainability of crop residue allocation options in smallholder cereal-legume-livestock farms in the dry savannas of West Africa
June 9(Mon)	All day	Art Poster	Interactions between Soil Structure, Living Organism and Organic Matter-		Jackie Brookner				
June 9(Mon)	15:30~16:20	P1-280	Interactions between Soil Structure, Living Organism and Organic Matter	AF0265	Xinhua Peng	China	State Key Laboratory of Soil and Sustainable Agriculture,	Poster	Interactions of Soil Structure and Soil Organic Matter in Paddy Soil and Upland Soil under long-term fertilization
June 9(Mon)	15:30~16:20	P1-281	Interactions between Soil Structure, Living Organism and Organic Matter	AF0846	Hiroko Nakatsuka	Japan	University of Tsukuba	Poster	Effect of the fresh waste mushroom beds of <i>Pleurotus ostreatus</i> on the microstructure and the physico-chemical properties of soil in

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June 9(Mon)	15:30~16:20	P1-282	Interactions between Soil Structure, Living Organism and Organic Matter	AF1437	Christian Opp	Germany	University of Marburg	Poster	How soil and sediment features affect the growing and vitality conditions of Populus euphratica?
June 9(Mon)	15:30~16:20	P1-283	Interactions between Soil Structure, Living Organism and Organic Matter	AF1514	Marina Lebedeva	Russia	V.V. Dokuchaev Soil Science Institute	Poster	Microscopic genesis diagnosis of the desert varnish and biogenic crusts in arid soils of Central Asia
June 9(Mon)	15:30~16:20	P1-284	Interactions between Soil Structure, Living Organism and Organic Matter	AF1624	Hongtao Zhong	New Zealand	Lincoln University	Poster	Does rhizosphere and litter diversity mediate the biogeochemistry of restoration soils?
June 9(Mon)	15:30~16:20	P1-285	Interactions between Soil Structure, Living Organism and Organic Matter	AF1628	Young-Nam Kim	New Zealand	Lincoln University	Poster	Biogeochemical role of native and exotic earthworms in New Zealand soil
June 9(Mon)	15:30~16:20	P1-286	Interactions between Soil Structure, Living Organism and Organic Matter	AF2089	Vladimir Kholodov	Russia	Dokuchaev Soil Science Institute	Poster	Soil macroaggregate self-assemble as a feedback to process "macroaggregates breakdown by tillage"
June 9(Mon)	15:30~16:20	P1-287	Interactions between Soil Structure, Living Organism and Organic Matter	AF2164	Bruna Rossin	Brazil	UNESP	Poster	Functional Groups of Organic Matter in Soils Podzolization - Upper Negro River Basin- Amazon
June 9(Mon)	15:30~16:20	P1-288	Interactions between Soil Structure, Living Organism and Organic Matter	AF2415	Imants Kukuls	Latvia	University of Latvia	Poster	Forest Humus Forms, Carbon and Nitrogen Stocks in Boreo-nemoral Ecotone
June 9(Mon)	15:30~16:20	P1-289	Interactions between Soil Structure, Living Organism and Organic Matter	AF2472	Mum Keng Wong	Malaysia	Felda Agricultural Services Sdn Bhd	Poster	The Spatial Distribution Pattern of Soil-dwelling Termites in Primary Forest and Oil Palm Plantation in Sabah, Malaysia.
June 9(Mon)	15:30~16:20	P1-290	Interactions between Soil Structure, Living Organism and Organic Matter	AF3010	Daichang Wang	China	Henan Agricultural University	Poster	Effects of different organic materials on fractal features of micro aggregate and available nutrients in Chao soil
June 9(Mon)	15:30~16:20	P1-291	Interactions between Soil Structure, Living Organism and Organic Matter	AF3030	Claire Chenu	France	AgroParisTech	Poster	Net effect of liming on soil organic carbon stocks: a review
June 9(Mon)	15:30~16:20	P1-292	Interactions between Soil Structure, Living Organism and Organic Matter	AF3278	Monika Skowronska	Poland	University of Life Sciences in Lublin	Poster	Balance of Organic Matter in a Maize Agroecosystem
June 9(Mon)	15:30~16:20	P1-293	Volcanic Soils: Distinctive Properties and Management	AF0269	Nanthi Bolan	Australia	University of South Australia	Poster	Phosphorus-arsenic interactions in volcanic-ash soils in relation to arsenic mobility and bioavailability
June 9(Mon)	15:30~16:20	P1-294	Volcanic Soils: Distinctive Properties and Management	AF0536	Hideo Kubotera	Japan	NARO Agricultural Research Center	Poster	Distribution, properties, and genesis of nonallophanic Andosols in central Kyushu, Japan
June 9(Mon)	15:30~16:20	P1-295	Volcanic Soils: Distinctive Properties and Management	AF0748	Tadashi Takahashi	Japan	Tohoku University	Poster	Significance of Aluminum-Humus Complexes in Andosols
June 9(Mon)	15:30~16:20	P1-296	Volcanic Soils: Distinctive Properties and Management	AF0929	Nadia Laubscher	New Zealand	University of Waiatato	Poster	Exhuming buried allophanic soil horizons and mixing them with Vitrandis in central North Island, New Zealand: impacts on soil
June 9(Mon)	15:30~16:20	P1-297	Volcanic Soils: Distinctive Properties and Management	AF1068	Junta Yanai	Japan	Kyoto Prefectural University	Poster	Elemental Composition of Agricultural Soils in Japan in relation to the Genesis and Inherent Fertility of the Soils
June 9(Mon)	15:30~16:20	P1-298	Volcanic Soils: Distinctive Properties and Management	AF1292	Philip Roberts	USA	USDA-NRCS	Poster	Physical and chemical properties of volcanic ash influenced soils on Mount Rainier, Washington, USA
June 9(Mon)	15:30~16:20	P1-299	Volcanic Soils: Distinctive Properties and Management	AF1457	Wiwik Hartatik	Indonesia	Indonesian Soil Research Institute	Poster	Effect of organic matter application and conventional tillage on soil organic carbon content of a volcanic ash soil in West Java, Indonesia
June 9(Mon)	15:30~16:20	P1-300	Volcanic Soils: Distinctive Properties and Management	AF1505	Randy Dahlgren	USA	University of California	Poster	Soil genesis and mineralogy in volcanic materials in the Mediterranean climate of California, USA
June 9(Mon)	15:30~16:20	P1-301	Volcanic Soils: Distinctive Properties and Management	AF1696	Naoya Katsumi	Japan	Ishikawa Prefectural University	Poster	Effects of heating on the formation of black humic acids
June 9(Mon)	15:30~16:20	P1-302	Volcanic Soils: Distinctive Properties and Management	AF1768	Morihiro Maeda	Japan	Okayama University	Poster	Stable isotope analysis for evaluating origins and exchangeability of sulfate in deep Andisols in Ibaraki and Kagoshima, Japan
June 9(Mon)	15:30~16:20	P1-303	Volcanic Soils: Distinctive Properties and Management	AF1793	Xu Xingkai	China	Institute of Atmospheric Physics, Chinese Academy of	Poster	Factors influencing carbon availability and metabolic quotients in temperate volcanic and tropical forest soils
June 9(Mon)	15:30~16:20	P1-304	Volcanic Soils: Distinctive Properties and Management	AF1883	Akihiro Imaya	Japan	Forestry and Forest Products Research Institute	Poster	Volcanic soils attributes affecting forest productivity in Japan
June 9(Mon)	15:30~16:20	P1-305	Volcanic Soils: Distinctive Properties and Management	AF2214	Raul Panichini	Chile	Universidad de La Frontera, Temuco-Chile	Poster	IMPORTANCE OF PHYSICALLY PROTECTED ORGANIC MATTER TO CARBON SEQUESTRATION IN CHILEAN VOLCANIC SOILS

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June 9(Mon)	15:30~16:20	P1-306	Volcanic Soils: Distinctive Properties and Management	AF2221	Stewart Wilson	USA	University of California-Davis	Poster	Soil Genesis and Mineralogy across a Volcanic Lithosequence in Northern California
June 9(Mon)	15:30~16:20	P1-307	Volcanic Soils: Distinctive Properties and Management	AF2278	Jose Dorner	Chile	Instituto de Ingeniera Agraria y Suelos, Facultad de	Poster	The physical quality of Andisols under a wide range of soil development and land uses in southern Chile
June 9(Mon)	15:30~16:20	P1-308	Volcanic Soils: Distinctive Properties and Management	AF2321	Marcela Calabi-Floody	Chile	Scientific and Technological Bioresource Nucleus	Poster	Stability of soil organic matter in particle size fractions in top and subsoil of Chilean Andisols
June 9(Mon)	15:30~16:20	P1-309	Volcanic Soils: Distinctive Properties and Management	AF2496	Hidetaka Katou	Japan	Natl. Inst. Agro-Environ. Sci.	Poster	Accumulation and mobility of sulfate in Andosol profiles under different land use and fertilization
June 9(Mon)	15:30~16:20	P1-310	Volcanic Soils: Distinctive Properties and Management	AF2698	Maria Luz Mora	Chile	Universidad de La Frontera	Poster	Effect of applying fresh cow dung on phosphorus pools and other soil properties in an acid Chilean Andisol
June 9(Mon)	15:30~16:20	P1-311	Volcanic Soils: Distinctive Properties and Management	AF3082	Hiroshi Takesako	Japan	School of Agriculture, Meiji University	Poster	Diminishing grain-size of Mt. Fuji-derived Holocene intermediate tephras in Japan with increasing distance, and different directions,
June 9(Mon)	All day	Art Poster	Marginal Soils: The Classification of Technogenic, Subaqueous, and		Margaret Boozer				
June 9(Mon)	15:30~16:20	P1-312	Marginal Soils: The Classification of Technogenic, Subaqueous, and	AF0029	Rasool Mirakhorli	Iran	AGRICULTURE	Poster	Cultivation of Populus euphratica* Populus alba hybrid In Garmsar saline soil plain In Iran
June 9(Mon)	15:30~16:20	P1-313	Marginal Soils: The Classification of Technogenic, Subaqueous, and	AF0253	Pirach Pongwichian	Thailand	Land Development Department	Poster	Utilization of salt tolerant species for rehabilitation coastal saline soil at Petchaburi province of Thailand
June 9(Mon)	15:30~16:20	P1-314	Marginal Soils: The Classification of Technogenic, Subaqueous, and	AF0310	Abayomi Fasina	Nigeria	Ekiti State University, Ado-Ekiti, Nigeria	Poster	characterization and classification of some selected wtland soils for rice and vegetable production in Ekiti state, Nigeria
June 9(Mon)	15:30~16:20	P1-315	Marginal Soils: The Classification of Technogenic, Subaqueous, and	AF0807	Sankar Mahapatra	India	Indian Council of Agricultural Research	Poster	Soil Resource Potential of Buraka Micro-watershed in Mewat District of Haryana, India for Integrated Development
June 9(Mon)	15:30~16:20	P1-316	Marginal Soils: The Classification of Technogenic, Subaqueous, and	AF0853	Valentina Cotet	Romania	National Research and Development Institute for	Poster	The subaqueous soils of the Danube Delta Biosphere Reserve
June 9(Mon)	15:30~16:20	P1-317	Marginal Soils: The Classification of Technogenic, Subaqueous, and	AF1548	Fiona Curran Cournane	New Zealand	Auckland Council	Poster	Elite and prime land: similar messages and continued trade-offs over half a century later in New Zealand's largest city
June 9(Mon)	15:30~16:20	P1-318	Marginal Soils: The Classification of Technogenic, Subaqueous, and	AF1617	Sartji Taberima	Indonesia	State University of Papua, Manokwari - West Papua	Poster	The amount and distribution of peatlands carbon stock in selected areas of Papua, Indonesia
June 9(Mon)	15:30~16:20	P1-319	Marginal Soils: The Classification of Technogenic, Subaqueous, and	AF1695	Arturo Aguirre	Mexico	AUTONOMOUS NATIONAL UNIVERSITY OF MEXICO	Poster	AGRONOMY DEVELOPMENT OF MUSTARD PLANTS (Brassica juncea) GROWN ON MINING SOILS
June 9(Mon)	15:30~16:20	P1-320	Marginal Soils: The Classification of Technogenic, Subaqueous, and	AF1900	Darmawan -	Indonesia	Department of Soil Science and Land Resources, Faculty	Poster	Subsidence Rate in Peatland Planted to Acacia crassicarpa at Bukit Batu, Riau over a Two-Year Measurement
June 9(Mon)	15:30~16:20	P1-321	Marginal Soils: The Classification of Technogenic, Subaqueous, and	AF1978	Alireza Zahirnia	Iran	sugarcane and by products development company	Poster	Exactly soil science study of South-West Iran region
June 9(Mon)	15:30~16:20	P1-322	Marginal Soils: The Classification of Technogenic, Subaqueous, and	AF2371	Jaya N. Surya	India	Indian Council of Agricultural Research (ICAR)	Poster	Characterization and Classification of Salt Affected Soils for Reclamation and Management - A Case Study of Haryana, India
June 9(Mon)	15:30~16:20	P1-323	Marginal Soils: The Classification of Technogenic, Subaqueous, and	AF2441	Suwardi -	Indonesia	Faculty of Agriculture, Bogor Agricultural University	Poster	Nutrient Cycle in Acacia crassicarpa Plantation on Deep Tropical Peatland
June 9(Mon)	15:30~16:20	P1-324	Validation of Soil Carbon Sequestration	AF0416	Weiguo Cheng	Japan	Yamagata University	Poster	Changes in soil carbon and nitrogen contents, and their anaerobic decomposition potentials after rice paddy abandoned to wetland
June 9(Mon)	15:30~16:20	P1-325	Validation of Soil Carbon Sequestration	AF0650	Vandana Tomar	India	Haryana Institute of Public Administration	Poster	Spatial Evident of Soil Organic Carbon Inference in Tropical Reserve Forest Using Geospatial Domain
June 9(Mon)	15:30~16:20	P1-326	Validation of Soil Carbon Sequestration	AF0704	Muti Busari	Nigeria	Federal University of Agriculture, Abeokuta	Poster	Evaluation of soil and plant carbon, Nitrogen and water use efficiency under different tillage systems and manure application
June 9(Mon)	15:30~16:20	P1-327	Validation of Soil Carbon Sequestration	AF0836	Mavinakoppa S Nagaraja	India	University of Horticultural Sciences, Bagalkot, Karnataka	Poster	Carbon stocks and soil fertility in physically degraded lands - Are we over estimating ?
June 9(Mon)	15:30~16:20	P1-328	Validation of Soil Carbon Sequestration	AF1358	Suphakarn Luanmanee	Thailand	Nakhon Sawan Field Crops Research Center	Poster	Effect of Soil, Fertilizer and Cropping System Management on

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June 9(Mon)	15:30~16:20	P1-329	Validation of Soil Carbon Sequestration	AF1698	Sathaporn Jaiarree	Thailand	Land Development Department	Poster	Soil Organic Carbon Dynamics under Soil Managements after Deforestation in Eastern Thailand
June 9(Mon)	15:30~16:20	P1-330	Validation of Soil Carbon Sequestration	AF2005	Nikki Baggaley	United Kingdom	James Hutton Institute	Poster	Comparison of methods to estimate and map the carbon content of Scottish soils
June 9(Mon)	15:30~16:20	P1-331	Validation of Soil Carbon Sequestration	AF2026	Lucien Diby	Ivory Coast	World Agroforestry Centre (ICRAF)	Poster	Soil Organic Carbon (SOC) prediction in cocoa (Theobroma cacao L.) landscapes in South-West Ivory Coast using Infrared Spectroscopy
June 9(Mon)	15:30~16:20	P1-332	Validation of Soil Carbon Sequestration	AF2054	Gabriele Buttafuoco	Italy	Institute for Agricultural and Forest Systems in the	Poster	Soil organic carbon mapping of a forest beech in southern Italy using laboratory-based Vis-NIR spectroscopy
June 9(Mon)	15:30~16:20	P1-333	Validation of Soil Carbon Sequestration	AF2438	Vanderlise Giongo	Brazil	Embrapa Semiarido	Poster	IMPACT OF LAND USE CHANGE IN THE SOIL CARBON STOCK IN BRAZILIAN SEMIARID
June 9(Mon)	15:30~16:20	P1-334	Validation of Soil Carbon Sequestration	AF2573	Shinji Kaneko	Japan	Forestry and Forest Products Research Institute	Poster	Carbon stock of dead wood, litter and mineral soil in the forest of Japan
June 9(Mon)	15:30~16:20	P1-335	Validation of Soil Carbon Sequestration	AF2926	Nataliya Belousova	Russia	Dokuchaev Soil Science Institute	Poster	Organic matter content in the lower horizons of taiga soils in Russia
June 9(Mon)	15:30~16:20	P1-336	Validation of Soil Carbon Sequestration	AF2978	An-Min Wu	USA	University of Minnesota	Poster	Soil organic carbon storage potential under the impact of post-settlement deposition in depressional landscapes of Minnesota
June 9(Mon)	15:30~16:20	P1-337	Biogeochemical Reactivity of Soils and Sediments: Molecular Process	AF0171	Amin Eisazadeh	Malaysia	Universiti Teknologi Malaysia	Poster	Cu(II) Removal From Aqueous Solution Using Iron Oxide Coated Sand
June 9(Mon)	15:30~16:20	P1-338	Biogeochemical Reactivity of Soils and Sediments: Molecular Process	AF0212	Adriana Garcia Lamothe	Uruguay	Instituto Nacional de Investigacion Agropecuaria	Poster	Nitrogen Balance and C:N ratio Influence in agro-ecosystems on Soil Carbon sequestration
June 9(Mon)	15:30~16:20	P1-339	Biogeochemical Reactivity of Soils and Sediments: Molecular Process	AF0646	Qi Jiang	Australia	Environmental Futures Centre, Griffith University,	Poster	Soil <sup>15</sup> N natural abundance reflects the nitrogen dynamics in the riparian zone soils of subtropical Australia
June 9(Mon)	15:30~16:20	P1-340	Biogeochemical Reactivity of Soils and Sediments: Molecular Process	AF0752	Hossein Ghadiri	Australia	Griffith University	Poster	Modelling flow and sediment transport through vegetative buffer strips
June 9(Mon)	15:30~16:20	P1-341	Biogeochemical Reactivity of Soils and Sediments: Molecular Process	AF1283	Haifa Yaseen	Iraq	Salahaddin University- Erbil	Poster	Effect of Q/I parameter on Limiting Soil Potassium Critical Levels of Some Soil Order at Kurdistan Region-Iraq
June 9(Mon)	15:30~16:20	P1-342	Biogeochemical Reactivity of Soils and Sediments: Molecular Process	AF1674	Akira Takeda	Japan	Institute for Environmental Sciences	Poster	Distribution of bromine and iodine in volcanic ash soil profiles in relation to soil properties
June 9(Mon)	15:30~16:20	P1-343	Biogeochemical Reactivity of Soils and Sediments: Molecular Process	AF1729	Ann Kristin Eriksson	Sweden	Swedish University of Agricultural Sciences	Poster	Phosphorus speciation of clay fractions from long-term fertility experiments in Sweden
June 9(Mon)	15:30~16:20	P1-344	Biogeochemical Reactivity of Soils and Sediments: Molecular Process	AF1766	Chia-Hsing Lee	Taiwan	National Taiwan University	Poster	Evaluation of nutrient release from the matrixes produced based on the Shotcrete Vegetation Mulching Technique
June 9(Mon)	15:30~16:20	P1-345	Biogeochemical Reactivity of Soils and Sediments: Molecular Process	AF2082	Ummay Amara	Pakistan	PMAS-arid agriculture university Rawalpindi	Poster	Molecular characterization of Enterobacter diazotrophic bacterium for improving crop yield in pakistan
June 9(Mon)	15:30~16:20	P1-346	Biogeochemical Reactivity of Soils and Sediments: Molecular Process	AF2097	Pathipan Sutigooolabud	Thailand	Maejo University	Poster	Effect of soil pH on decontamination of chlorate in longan plantation soil
June 9(Mon)	15:30~16:20	P1-347	Biogeochemical Reactivity of Soils and Sediments: Molecular Process	AF2257	Kaori Matsuoka	Japan	NARO Institute of Fruit Tree Science	Poster	Soil grinding treatment causes not only release but also accumulation of fixed ammonium depending on the content of
June 9(Mon)	15:30~16:20	P1-348	Biogeochemical Reactivity of Soils and Sediments: Molecular Process	AF2327	Muhammad Ibrahim	Pakistan	Government College University Faisalabad	Poster	Rate of farm manure decomposition applied alone and in combination with DAP and release of P in different soils
June 9(Mon)	15:30~16:20	P1-349	Modern Soil Biology for N and C Transformation: From Genes to	AF0061	Tida Ge	China	Institute of Subtropical Agriculture (ISA), the Chinese	Poster	Microbial assimilation of atmospheric CO <sub>2</sub> in soil: An important process in terrestrial C cycling
June 9(Mon)	15:30~16:20	P1-350	Modern Soil Biology for N and C Transformation: From Genes to	AF0180	Xiaoqi Zhou	Australia	Griffith University	Poster	Methane oxidation needs less stressed plants
June 9(Mon)	15:30~16:20	P1-351	Modern Soil Biology for N and C Transformation: From Genes to	AF0274	Ki-In Kim	USA	University of Minnesota	Poster	Testing the origin of agricultural nitrogen sources in soil, plant, and water
June 9(Mon)	15:30~16:20	P1-352	Modern Soil Biology for N and C Transformation: From Genes to	AF0460	Anne Zangerle	Luxembourg	Centre de Recherche Public Gabriel Lippmann	Poster	Near infrared spectroscopy (NIRS) to estimate earthworm macroaggregate age

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June 9(Mon)	15:30~16:20	P1-353	Modern Soil Biology for N and C Transformation: From Genes to	AF0605	Yuming Zhang	China	Center for Agricultural Resources Research, Institute	Poster	Removal of nitrate in subsoil by denitrification in wheat ? maize rotation system in North China Plain
June 9(Mon)	15:30~16:20	P1-354	Modern Soil Biology for N and C Transformation: From Genes to	AF1177	Masahito Hayatsu	Japan	National Institute for Agro-Environmental Sciences	Poster	Enrichment of acid-tolerant gamma-proteobacterial ammonia-oxidizing bacterium from strongly acidic soils
June 9(Mon)	15:30~16:20	P1-355	Modern Soil Biology for N and C Transformation: From Genes to	AF1198	Boris Jansen	Netherlands	University of Amsterdam	Poster	The use of biomarkers to trace carbon transformations and input in soils
June 9(Mon)	15:30~16:20	P1-356	Modern Soil Biology for N and C Transformation: From Genes to	AF1316	Rong Sheng	China	Institute of Subtropical Agriculture, The Chinese	Poster	Effect of agricultural land use change on community composition of bacteria and ammonia oxidizers
June 9(Mon)	15:30~16:20	P1-357	Modern Soil Biology for N and C Transformation: From Genes to	AF1352	Kiwamu Minamisawa	Japan	Tohoku University	Poster	Microbial nitrogen transformation in the legume rhizosphere
June 9(Mon)	15:30~16:20	P1-358	Modern Soil Biology for N and C Transformation: From Genes to	AF1571	Akinori Mori	Japan	NARO	Poster	Effect of manure applications on denitrification enzyme activity of grassland soil
June 9(Mon)	15:30~16:20	P1-359	Modern Soil Biology for N and C Transformation: From Genes to	AF1765	Dong Nguyen	Viet Nam	Can Tho University	Poster	Effects of alternate wetting and drying (AWD) practice on the microbial processes of the N-cycle in rice paddy soils of the Mekong
June 9(Mon)	15:30~16:20	P1-360	Modern Soil Biology for N and C Transformation: From Genes to	AF1907	Divyashri Baraniya	Italy	University of Florence, Italy	Poster	Microbial community structure and proteolytic activity in the rhizosphere of maize plants differing in nitrogen use efficiency
June 9(Mon)	15:30~16:20	P1-361	Modern Soil Biology for N and C Transformation: From Genes to	AF2016	Ado Yusuf	Nigeria	Ahmadu Bello University Zaria	Poster	Productivity and biological nitrogen fixation as influenced by groundnut genotypes and nitrogen fertilizer in the northern Guinea
June 9(Mon)	15:30~16:20	P1-362	Modern Soil Biology for N and C Transformation: From Genes to	AF2063	Cedric Le Guillou	France	INRA Dijon - UMR 1347 Agroecologie	Poster	How do environmental and land-use drivers of soil microbial diversity affect soil organic matter dynamics?
June 9(Mon)	15:30~16:20	P1-363	Modern Soil Biology for N and C Transformation: From Genes to	AF2290	Narses Detera	Philippines	Central Bicol State University of Agriculture	Poster	Microbial Properties and Biomass Carbon and Nitrogen of Soil Under Different Soil Management Practices
June 9(Mon)	15:30~16:20	P1-364	Modern Soil Biology for N and C Transformation: From Genes to	AF2451	Yalong Liu	China	Nanjing Agricultural University, College of	Poster	Microbial gene abundance and community structure of particle size fractions and the change with rice cultivation length
June 9(Mon)	15:30~16:20	P1-365	Modern Soil Biology for N and C Transformation: From Genes to	AF2551	Rui Liu	Australia	The university of Melbourne	Poster	How do soil properties and environmental conditions affect nitrous oxide emission from nitrification and distribution of ammonia
June 9(Mon)	15:30~16:20	P1-366	Modern Soil Biology for N and C Transformation: From Genes to	AF2750	Didiek Goenadi	Indonesia	PT Riset Perkebunan Nusantara	Poster	The Potential Use of Burkholderia cenocepacia as Bio-ameliorant for Oil Palm Seedlings at Sandy Soil
June 9(Mon)	15:30~16:20	P1-367	Modern Soil Biology for N and C Transformation: From Genes to	AF2777	Hongbo He	China	Institute of Applied Ecology, Chinese Academy of	Poster	Evaluation of soil carbon and nitrogen transformation by Microbial metabolism and new microbial legacy
June 9(Mon)	15:30~16:20	P1-368	Modern Soil Biology for N and C Transformation: From Genes to	AF2907	Thomas Lerch	France	UPEC	Poster	Investigating the impact of plant composting on soil organic matter and microbial community dynamics using <sup>13</sup> C and <sup>15</sup> N labelling
June 9(Mon)	15:30~16:20	P1-369	Modern Soil Biology for N and C Transformation: From Genes to	AK0608	Woo-Jung Choi	Korea	Chonnam National University	Poster	How to Improve Chloroform-Fumigation Efficiency of Microbial Biomass Measurement for Water-Saturated Soils?
June 9(Mon)	15:30~16:20	P1-370	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF0106	Richard Dick	USA	Ohio State University	Poster	Optimizing Oxidation by Methanotrophs to Mitigate Methane Emissions from Constructed Wetlands and Rice Paddy Soils
June 9(Mon)	15:30~16:20	P1-371	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF0116	Nicola Winning	United Kingdom	Scotland's Rural College	Poster	Timing and form of organic fertiliser application affects greenhouse gas emissions from an arable soil
June 9(Mon)	15:30~16:20	P1-372	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF0206	Sandeep Kumar	USA	South Dakota State University	Poster	Soil Carbon Dioxide and Methane Fluxes Influenced by Nitrogen Rates and Landscape Positions from Switchgrass Land of South
June 9(Mon)	15:30~16:20	P1-373	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF0307	Kun Cheng	China	Nanjing Agricultural University	Poster	Simulating greenhouse gas emissions in Chinese cropping systems using the DAYCENT model
June 9(Mon)	15:30~16:20	P1-374	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF0358	Hong Di	New Zealand	Lincoln University	Poster	Efficacy of a nitrification inhibitor mitigation technology for nitrate leaching and nitrous oxide emissions in winter forage grazing
June 9(Mon)	15:30~16:20	P1-375	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF0475	Ebrahim Moghiseh	Iran	Agriculture, Medical and Industrial Research School	Poster	Assessing the effects of deforestation and reforestation on soil carbon dynamics and <sup>14</sup> C dating
June 9(Mon)	15:30~16:20	P1-376	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF0488	Yongchao Liang	China	Zhejiang University	Poster	Urea- and nitrapyrin-affected N <sub>2</sub> O emission is coupled mainly with ammonia oxidizing bacteria growth in microcosms of three typical

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June 9(Mon)	15:30~16:20	P1-377	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF0491	Emilia Urbaneek	United Kingdom	Swansea University	Poster	Importance of soil water repellency in controlling CO <sub>2</sub> and CH <sub>4</sub> fluxes from soil
June 9(Mon)	15:30~16:20	P1-378	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF0512	Elena Ikkonen	Russia	Institut of Biology, Karelian Research Center Russian	Poster	CO <sub>2</sub> fluxes in artificial soil in Mexico City
June 9(Mon)	15:30~16:20	P1-379	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF0528	Liping Guo	China	Institute of Environment and Sustainable Development in	Poster	Characteristics of nitrous oxide emissions and the affecting factors from vegetable fields in the North China plain
June 9(Mon)	15:30~16:20	P1-380	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF0549	H Baris Tecimen	Turkey	Istanbul University Faculty of Forestry	Poster	Greenhouse Gas Emissions From Aggregates of a Mesocosm Soil Worked By Lumbricus Rubellus and Amyntas Agrestis
June 9(Mon)	15:30~16:20	P1-381	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF0567	Rosnaeni Sakata	Japan	Graduate School of Horticulture, Chiba University	Poster	Effect of topography on N <sub>2</sub> O emission from oil palm plantation in Riau, Indonesia
June 9(Mon)	15:30~16:20	P1-382	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF0603	Rod Madsen	USA	LI-COR Biosciences	Poster	Response of soil CO <sub>2</sub> flux in a crop field to rain pulse
June 9(Mon)	15:30~16:20	P1-383	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF0634	Yanxia Nie	Japan	Hokkaido University	Poster	Isolating active N <sub>2</sub> O emitters from boreal sphagnum moss peat and searching for natural substances suppressing N <sub>2</sub> O emission
June 9(Mon)	15:30~16:20	P1-384	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF0637	Li Li	Japan	Hokkaido University	Poster	Effect of aromatic N-heterocyclic organic compounds on nitrous oxide (N <sub>2</sub> O) emission by soil denitrifier <i>Pseudomonas</i> sp. isolated
June 9(Mon)	15:30~16:20	P1-385	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF0655	Raghunath Subedi	Italy	University of Turin	Poster	SHORT-TERM CARBON DIOXIDE AND NITROUS OXIDE EMISSIONS AND CHANGES IN PHYSICO-CHEMICAL PROPERTIES FROM SOILS
June 9(Mon)	15:30~16:20	P1-386	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF0760	Henrike Mielenz	Australia	CSIRO	Poster	Modelling nitrous oxide emissions from diverse Australian wheat systems
June 9(Mon)	15:30~16:20	P1-387	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF0842	Mavinakoppa S Nagaraja	India	University of Horticultural Sciences, Bagalkot, Karnataka	Poster	Land use change in Indian western ghats: Sink-source potential for CO <sub>2</sub>
June 9(Mon)	15:30~16:20	P1-388	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF0905	Yam Kanta Gaihre	Bangladesh	International Fertilizer Development Center (IFDC)	Poster	Soil redox chemistry and greenhouse gas emission in lowland rice paddy soils: Impact of rice straw incorporation and elevated
June 9(Mon)	15:30~16:20	P1-389	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF0914	Pranoy Pal	New Zealand	Landcare Research, Palmerston North	Poster	Animal treading damages pasture and affects soil nitrous oxide emissions
June 9(Mon)	15:30~16:20	P1-390	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF1023	Xinliang Liu	China	Institute of Subtropical Agriculture, Chinese	Poster	Spatial variability and distribution of N <sub>2</sub> O emission from a tea-planted small catchment during wet season in subtropical central
June 9(Mon)	15:30~16:20	P1-391	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF1025	Dongyan Liu	Japan	Nagoya University	Poster	Effects of winter-flooding, FACE (Free Air CO <sub>2</sub> Enrichment) and paddy-upland rotation on methanogenic archaeal community
June 9(Mon)	15:30~16:20	P1-392	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF1033	Jonathan Gray	Australia	NSW Office of Environment and Heritage	Poster	Response of key soil properties to predicted climate change over the Sydney Region, Australia
June 9(Mon)	15:30~16:20	P1-393	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF1040	Theint Ei Ei	Japan	Tokyo University of Agriculture and Technology	Poster	Influence of Saline Irrigation Water and Gypsum Amendments Addition upon Methane Emission of Paddy Rice Soil
June 9(Mon)	15:30~16:20	P1-394	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF1044	Hitoshi Shinjo	Japan	Kyoto University	Poster	Effects of cropping and short natural fallow rotation on carbon balance in the semiarid tropics of Africa
June 9(Mon)	15:30~16:20	P1-395	Mechanism Controlling Greenhouse Gas Emissions from Soils	AK3213	Sang Yoon Kim	Korea	Soil science lab, Division of applied life science,	Poster	Effect of different types of cattle manure application on increasing methane emission in paddy soil during rice cultivation
June 9(Mon)	15:30~16:20	P1-396	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF1110	David Burton	Canada	Dalhousie University	Poster	Nitrate Exposure: A metric to describe the influence of soil NO <sub>3</sub> <sup>-</sup> on N <sub>2</sub> O emissions.
June 9(Mon)	15:30~16:20	P1-397	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF1147	Ke Ma	China	China Agricultural University	Poster	The microbial mechanisms for intermittent drainages on methane cycle in rice field soil
June 9(Mon)	15:30~16:20	P1-398	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF1149	Wenxue Wei	China	Institute of Subtropical Agriculture, The Chinese	Poster	Microbial Driving Mechanisms of N <sub>2</sub> O emission influenced by agricultural practices
June 9(Mon)	15:30~16:20	P1-399	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF1357	Fengky Florante Adji	Japan	Hokkaido University	Poster	Effect of plant-mediated oxygen supply and drainage on greenhouse gas emission from a tropical peatland in Central Kalimantan,
June 9(Mon)	15:30~16:20	P1-400	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF1364	Mengjie Li	Japan	Hokkaido University	Poster	The N <sub>2</sub> O emission from agriculture soil as affected by bulk density and soil water content

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June 9(Mon)	15:30~16:20	P1-401	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF1462	Sang Yoon Kim	Netherlands	Netherlands Institute of Ecology	Poster	Interaction between nitrogen and phosphorus additions on CH4 production and denitrification processes in different wetland
June 9(Mon)	15:30~16:20	P1-402	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF1609	Thi Kim Thanh Ha	Japan	Okayama University	Poster	Nitrous oxide production in Japanese flooded paddy soil as affected by different pH
June 9(Mon)	15:30~16:20	P1-403	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF1663	Hongtao Xing	Australia	Commonwealth Scientific and Industrial Research	Poster	Modelling Nitrous oxide Emissions from a Bare Soil against Measurements from Static Chambers and Micrometeorological Eddy
June 9(Mon)	15:30~16:20	P1-404	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF1664	Deli Chen	Australia	The University of Melbourne	Poster	MEASUREMENT, MODELLING AND MITIGATION OF N2O EMISSIONS
June 9(Mon)	15:30~16:20	P1-405	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF1667	John Knight	Australia	The University of Sydney	Poster	Modelling nitrous oxide emissions from pasture
June 9(Mon)	15:30~16:20	P1-406	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF1699	Catarina Martins	Australia	Hawkesbury Institute for the Environment, University of	Poster	Impact of warming and reduced precipitation in a temperate-boreal ecotonal forest in northern Minnesota, EUA
June 9(Mon)	15:30~16:20	P1-407	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF1737	Ayaka Kishimoto	Japan	National Institute for Agro-Environmental Sciences	Poster	Field and laboratory data reveal potential N <sub>2</sub> O emission linking to decomposed CO <sub>2</sub> and N Input
June 9(Mon)	15:30~16:20	P1-408	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF1756	Signe Kynding Borgen	Norway	Norwegian Forest and Landscape Institute	Poster	Greenhouse gas emissions from organic soils with different land use and drainage
June 9(Mon)	15:30~16:20	P1-409	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF1959	Raj Setia	India	Punjab Remote Sensing Centre	Poster	Calibration of RothC is required for accurate prediction of CO2 emission from sodic soils
June 9(Mon)	15:30~16:20	P1-410	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2149	Zofia Stepniewska	Poland	The John Paul II Catholic University of Lublin	Poster	The role of endophytic methanotrophs on diminution of methane emission from peat soils
June 9(Mon)	15:30~16:20	P1-411	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2237	Atsunobu Kadono	Japan	Tottori University of Environmental Studies	Poster	Modeling of carbon dioxide emission from cornfield soils under different water table and tillage management in central Ohio, USA
June 9(Mon)	15:30~16:20	P1-412	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2242	Sheng Zhou	China	Shanghai Academy of Agricultural Sciences	Poster	Effect of different fertilizer types on grain yield and greenhouse gas emissions from paddy field
June 9(Mon)	15:30~16:20	P1-413	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2246	Sheng Zhou	China	Shanghai Academy of Agricultural Sciences	Poster	Responses of grain yield and greenhouse gases emission to different rice varieties and irrigation managements in a rice paddy field
June 9(Mon)	15:30~16:20	P1-414	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2263	Basuki Sumawinata	Indonesia	Department of Soil Science and Land Resources, Faculty	Poster	Fluxes of CH4 and N2O from Peatland Planted to Acacia crassicarpa at Bukit Batu, Riau
June 9(Mon)	15:30~16:20	P1-415	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2273	Ryosuke Fujinuma	Australia	The University of Queensland	Poster	Effects of crop type on nitrous oxide emissions from Vertic Haplustolls
June 9(Mon)	15:30~16:20	P1-416	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2299	Taras Lychuk	USA	University of Maryland, College Park	Poster	EVALUATION OF CLIMATE CHANGE ADAPTATION OPTIONS FOR AGRICULTURAL SYSTEMS
June 9(Mon)	15:30~16:20	P1-417	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2307	Sasha Jenkins	Australia	University of western australia UWA	Poster	Evaluating the effectiveness of different greenhouse gas abatement methods for manure application and identifying the sources and
June 9(Mon)	15:30~16:20	P1-418	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2315	Andrio Adiwibowo	Indonesia	Faculty of Natural Science, University of Indonesia	Poster	Continous monitoring of CO2 emission and geochemistry of soils from Merapi Volcano, Java Island, Indonesia tropical archipelago :
June 9(Mon)	15:30~16:20	P1-419	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2343	Yuhua Kong	China	College of Forestry, Henan Agricultural University, China	Poster	Controlling factors for temporal dynamics of CO2, N2O and CH4 under three adjacent land-use types
June 9(Mon)	15:30~16:20	P1-420	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2345	Xuezhang Li	China	Institute of Geographic Sciences and Natural	Poster	Soil CO2 flux during decomposition of leaf litter as affected by soil water and N addition
June 9(Mon)	15:30~16:20	P1-421	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2387	Niklas Lehto	New Zealand	Lincoln University	Poster	A novel method to analyse the effect of soil organic matter on greenhouse gas emissions
June 9(Mon)	15:30~16:20	P1-422	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2398	Xi Li	Japan	Hokkaido University	Poster	Bayesian calibration of soil nitrogen, nitrous oxide flux process at regional scale, central Hokkaido, Japan
June 9(Mon)	15:30~16:20	P1-423	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2403	Yam Kanta Gaihre	Bangladesh	International Fertilizer Development Center (IFDC)	Poster	Automated continuous measurement of N2O and NO fluxes from the rice field: methods and preliminary results
June 9(Mon)	15:30~16:20	P1-424	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2450	Yolanda Canton	Spain	University of Almeria	Poster	Biological soil crusts: source or sinks of CO2 in semiarid ecosystems?

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June 9(Mon)	15:30~16:20	P1-425	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2478	Rinaldo Belfon	Trinidad&Tobago	University of the West Indies, St. Augustine	Poster	Development of an improved method for estimating soil carbon dioxide flux
June 9(Mon)	15:30~16:20	P1-426	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2501	Setiari Marwanto	Indonesia	Indonesian Soil Research Institute	Poster	Are CO <sub>2</sub> emissions from mineral soil under oil palm plantation lower than those of peat soil?
June 9(Mon)	15:30~16:20	P1-427	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2534	Helen Suter	Australia	The University of Melbourne	Poster	Can a nitrification inhibitor improve nitrogen use efficiency in intensive vegetable production systems?
June 9(Mon)	15:30~16:20	P1-428	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2536	Lianfeng Wang	China	Dalian Jiaotong University	Poster	Antecedent water treatment changes nitrous oxide emission and production processes in an acidic arable soil in China
June 9(Mon)	15:30~16:20	P1-429	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2554	Thang Lai	Australia	The University of Adelaide	Poster	Nitrification and associated N <sub>2</sub> O emission in soil responds differently to temperature
June 9(Mon)	15:30~16:20	P1-430	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2575	Ivan Vasenev	Russia	Russian Timiryazev State Agricultural University	Poster	Factors and Processes Controlling GHG Soil Emissions in Zonal Functional Set of Central Russia ecosystems
June 9(Mon)	15:30~16:20	P1-431	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2662	Maasa Takahashi	Japan	chiba university	Poster	CO <sub>2</sub> , N <sub>2</sub> O and CH <sub>4</sub> production/consumption potentials of soils under different land use types in central Japan and eastern Hungary
June 9(Mon)	15:30~16:20	P1-432	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2740	Muhammad Ibrahim	Pakistan	Government College University Faisalabad	Poster	Tillage and organic materials affect soil organic carbon under wheat-rice cropping system in Typic calciargids soils
June 9(Mon)	15:30~16:20	P1-433	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2742	Jorge Paz-Ferreiro	Spain	Universidad Politecnica de Madrid	Poster	Effects of biochar on greenhouse gas emissions from arable and bioenergy crops
June 9(Mon)	15:30~16:20	P1-434	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2958	Bruno Alves	Brazil	Embrapa	Poster	Nitrous oxide emissions from different N fertilizer rates applied to a maize crop under conventional tillage in Brazil
June 9(Mon)	15:30~16:20	P1-435	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2960	Muhammad Ibrahim	Pakistan	Government College University Faisalabad	Poster	Above-Ground Carbon Pools of Citrus Acreage in Pakistan
June 9(Mon)	15:30~16:20	P1-436	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2986	Claire Chenu	France	AgroParisTech	Poster	The potential of agricultural practices to increase C storage in soils : an assessment for France
June 9(Mon)	15:30~16:20	P1-437	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2987	Auldry Chaddy Petrus Rudut	Malaysia	Tropical Peat Research Laboratory Unit	Poster	Effect of N Fertilizers on Soil CO <sub>2</sub> Flux in a Young Oil Palm Plantation on Tropical Peatland, Sarawak, Malaysia
June 9(Mon)	15:30~16:20	P1-438	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF2998	Bruno Alves	Brazil	Embrapa	Poster	Estimating soil N <sub>2</sub> O diffusivity from Fick's Law using soil CO <sub>2</sub> concentration profile and efflux
June 9(Mon)	15:30~16:20	P1-439	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF3022	Jie Li	China	Institute of applied ecology, Chinese academy of sciences	Poster	Nitrous oxide emissions from farm effluents application on a New Zealand pasture
June 9(Mon)	15:30~16:20	P1-440	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF3094	C. Piumika Abesekara	Australia	The University of Melbourne	Poster	Mitigation of ammonia emissions from cattle manure using organic amendments
June 9(Mon)	15:30~16:20	P1-441	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF3254	Alberto Sanz-Cobena	Spain	Technical University of Madrid	Poster	Modeling GHG emissions, N and C dynamics in Spanish agricultural soils
June 9(Mon)	15:30~16:20	P1-442	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF3265	Toufiq Iqbal	Bangladesh	University of Rajshahi	Poster	Mechanisms involved in greenhouse gas emission from saline paddy soils in Bangladesh
June 9(Mon)	15:30~16:20	P1-443	Mechanism Controlling Greenhouse Gas Emissions from Soils	AF3340	Tong Chuan	China	University of Fujian Normal University	Poster	Weak Correlation between Methane Production and Abundance of Methanogens across Three Brackish Marshes Zones in The Min River
June 9(Mon)	15:30~16:20	P1-444	Mechanism Controlling Greenhouse Gas Emissions from Soils	AK1504	Nonilona Daquiado	Korea	Gyeongsang National University	Poster	Methane emission characteristics of some Philippine lowland rice varieties
June 9(Mon)	15:30~16:20	P1-445	Mechanism Controlling Greenhouse Gas Emissions from Soils	AK1588	Juyoung Seo	Korea	Yonsei University	Poster	Effect of warming and precipitation increase on extracellular enzyme activities and GHGs fluxes in an arctic tundra soil
June 9(Mon)	15:30~16:20	P1-446	Mechanism Controlling Greenhouse Gas Emissions from Soils	AK3055	Soo Jeong Lim	Korea	Gang Won Provincial ARES	Poster	Research of cultivation techniques for the reduction of fertilizer in greenhouse
June 9(Mon)	15:30~16:20	P1-447	Mechanism Controlling Greenhouse Gas Emissions from Soils	AK3062	Jong-Sik Lee	Korea	National Academy of Agricultural Science	Poster	Assessment on GHGs Emission from the Cropland Sector in Korea
June 9(Mon)	15:30~16:20	P1-448	Mechanism Controlling Greenhouse Gas Emissions from Soils	AK3180	Hyunyoung Hwang	Korea	Division of Applied Life Science (BK 21 Program),	Poster	Specific inhibition of CH <sub>4</sub> production in soil using chemical analogue of coenzyme M: A presequer of methanogenesis

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June 9(Mon)	15:30~16:20	P1-449	Mechanism Controlling Greenhouse Gas Emissions from Soils	AK3248	Che Ok Jeon	Korea	Chung-Ang University	Poster	Dynamics of Methanotrophic and Methanogenic Communities and Methane Emissions in a Flooded Rice Field Ecosystem
June 9(Mon)	15:30~16:20	P1-450	Mechanism Controlling Greenhouse Gas Emissions from Soils	AK3270	Pil Joo Kim	Korea	Gyeongsang National University	Poster	Comparison of methanotrophicbacteria diversitybetween crop cultivation and fallow seasons in a temperate mono-rice paddy soil
June 9(Mon)	15:30~16:20	P1-451	Mobilization of Essential Micronutrients by Exudates	AF0154	Rawia El Motaïum	Egypt	Nuclear Research Center	Poster	Response of different plant species to boron concentrations in sewage wastewater and soil
June 9(Mon)	15:30~16:20	P1-452	Mobilization of Essential Micronutrients by Exudates	AF0699	Victor Chude	Nigeria	Soil Science Society of Nigeria	Poster	Effect of FoliarBlend micronutrient and NPK 15:15:15 fertilizers on the growth and yield of Maize (Zea mays L.) in North- Central of
June 9(Mon)	15:30~16:20	P1-453	Mobilization of Essential Micronutrients by Exudates	AF0896	Orathai Sukreeyapongse	Thailand	Office of Science for Land Development	Poster	Rice nutrition and zinc concentrations in soil of Thailand.
June 9(Mon)	15:30~16:20	P1-454	Mobilization of Essential Micronutrients by Exudates	AF0946	Bei Liu	China	Shandong Agricultural University	Poster	Effects of the ratios of nitrate, ammonium and urea nitrogen in nutrient solution on the yield and quality of hydroponic spinach
June 9(Mon)	15:30~16:20	P1-455	Mobilization of Essential Micronutrients by Exudates	AF1151	Chunqin Zou	China	china agricultural university	Poster	Foliar application of Zinc improves shoot-grain zinc concentrations of wheat decreased by high available phosphorus in soil
June 9(Mon)	15:30~16:20	P1-456	Mobilization of Essential Micronutrients by Exudates	AF1259	Roberto Terzano	Italy	University of Bari	Poster	The Role of Flavonoids in Promoting the Mobilization of Fe and Mn in soil
June 9(Mon)	15:30~16:20	P1-457	Mobilization of Essential Micronutrients by Exudates	AF1262	Roberto Terzano	Italy	University of Bari	Poster	Coprecipitation with Aluminum Oxides Reduces the Efficiency of Citrate in Mobilizing Cu from Calcareous Soils
June 9(Mon)	15:30~16:20	P1-458	Mobilization of Essential Micronutrients by Exudates	AF1277	Owen Duckworth	USA	North Carolina State University	Poster	Detection of Siderophores in Natural Environments
June 9(Mon)	15:30~16:20	P1-459	Mobilization of Essential Micronutrients by Exudates	AF2368	Xinhua Yin	USA	University of Tennessee	Poster	Cotton Yield and Quality Responses to Sulfur and Zinc Applications under No-Tillage
June 9(Mon)	15:30~16:20	P1-460	Mobilization of Essential Micronutrients by Exudates	AF2522	Salirian Claff	Japan	Japan International Research Centre for Agricultural	Poster	Interaction between Fe plaque and Zn uptake in rice
June 9(Mon)	15:30~16:20	P1-461	Mobilization of Essential Micronutrients by Exudates	AF2626	Xiaomin Guo	China	Jiangxi Agricultural University	Poster	The soil acidity on Wugong Mountain's meadow degradation areas
June 9(Mon)	15:30~16:20	P1-462	Mobilization of Essential Micronutrients by Exudates	AF2638	Xiaomin Guo	China	Jiangxi Agricultural University	Poster	Variations of Available nitrogen along the Upland Meadow in Wugong Mountain
June 9(Mon)	15:30~16:20	P1-463	Mobilization of Essential Micronutrients by Exudates	AF2789	Xia Gong	China	Jiangxi Agricultral University	Poster	Soil phosphorus availability of plantation in degraded sub-tropical hilly red soil region
June 9(Mon)	15:30~16:20	P1-464	Saline and Sodic Ecosystems in the Changing World	AF0236	Kripal Singh	India	CSIR-Central Institute of Medicinal and Aromatic	Poster	Management of sodic soils through cropping and afforestation
June 9(Mon)	15:30~16:20	P1-465	Saline and Sodic Ecosystems in the Changing World	AF0238	Kripal Singh	India	CSIR-Central Institute of Medicinal and Aromatic	Poster	Effect of different leaf litters on carbon, nitrogen and microbial activities of sodic soils
June 9(Mon)	15:30~16:20	P1-466	Saline and Sodic Ecosystems in the Changing World	AF0300	Supranee Sritumboon	Thailand	LAND DEVELOPMENT DEPARTMENT REGIONAL	Poster	Effect of the Integration Program Recommendation for Soil Management and Fertilizer on Farm and Organic Materials
June 9(Mon)	15:30~16:20	P1-467	Saline and Sodic Ecosystems in the Changing World	AF0390	Wentai Zhang	China	Xinjiang Agricultural University	Poster	Soil Salinity Variability and Its Driving Factors at Multiple Spatio-temporal Scales in the Oasis of Xinjiang, China
June 9(Mon)	15:30~16:20	P1-468	Saline and Sodic Ecosystems in the Changing World	AF0450	Gengxing Zhao	China	Shandong Agricultural University	Poster	Dynamics and driving forces of salt-affected land degradation in the Yellow River Delta
June 9(Mon)	15:30~16:20	P1-469	Saline and Sodic Ecosystems in the Changing World	AF0520	Haoliang Yu	China	China Agricultural University	Poster	Effects of sodic soil reclamation using flue gas desulphurized gypsum on soil pore characteristics, bulk density, and saturated
June 9(Mon)	15:30~16:20	P1-470	Saline and Sodic Ecosystems in the Changing World	AF0705	Elena Bonadeo	Argentina	Universidad Nacional de Rio Cuarto	Poster	Effect of deforestation on soil salinity and sodicity in Cordoba, Argentina
June 9(Mon)	15:30~16:20	P1-471	Saline and Sodic Ecosystems in the Changing World	AF0729	Yan Guo	China	Henan Academy of Agricultural Sciences	Poster	Using vis-NIR spectroscopy for digital mapping of selected soil properties in a coastal area
June 9(Mon)	15:30~16:20	P1-472	Saline and Sodic Ecosystems in the Changing World	AF0790	Tibin Zhang	China	Institute of Soil and Water Conservation, Northwest	Poster	Shallow sand-filled niches beneath drip emitters made reclamation of an impermeable saline-sodic soil possible: Ameliorative effect on

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June 9(Mon)	15:30~16:20	P1-473	Saline and Sodic Ecosystems in the Changing World	AF0804	Lyudmila Yakovleva	Russia	Astrakhan State University	Poster	The features of arid territories soil salinization (on the example of the Volga delta)
June 9(Mon)	15:30~16:20	P1-474	Saline and Sodic Ecosystems in the Changing World	AF0908	Ali Al-Hasani	Iraq	Ministry of Science and Technology	Poster	Chemistry of Salt Affected Soils in Lower Mesopotamian (LMP) in Iraq
June 9(Mon)	15:30~16:20	P1-475	Saline and Sodic Ecosystems in the Changing World	AF1216	Shigenao Kawai	Japan	Iwate University	Poster	Effect of carbonate/bicarbonate ion on phytosiderophore release by Puccinellia chinampoensis Ohwi, gramineous plant tolerant to sodic-
June 9(Mon)	15:30~16:20	P1-476	Saline and Sodic Ecosystems in the Changing World	AF1221	Tomohiro Yoshida	Japan	Iwate University	Poster	Aluminum toxicity in plants under sodic-saline soils whose pH is 10
June 9(Mon)	15:30~16:20	P1-477	Saline and Sodic Ecosystems in the Changing World	AF1472	Ibrahim Elakhdar	Egypt	Microbiology Department, Soils, Water and Environment	Poster	Isolation and evaluation of salt tolerant microorganisms and their impact in adaptation of faba bean to salinity stress.
June 9(Mon)	15:30~16:20	P1-478	Saline and Sodic Ecosystems in the Changing World	AF1575	Mayya Nikolaeva	Russia	Institute for biological problems of cryolithozone SB	Poster	Alas Soils Saline Phytoproductivity Dynamics in Central Yakutia
June 9(Mon)	15:30~16:20	P1-479	Saline and Sodic Ecosystems in the Changing World	AF1590	Wenping Xie	China	Institute of Soil Science, Chinese Academy of	Poster	Effects of impoundment of the Three Gorges Reservoir on salt-water dynamics in the Yangtze River Estuary
June 9(Mon)	15:30~16:20	P1-480	Saline and Sodic Ecosystems in the Changing World	AF1661	John Bennett	Australia	National Centre for Engineering in Agriculture,	Poster	Suspended organic particulate reduces effluent seepage and limits salinisation under intensive livestock effluent ponds
June 9(Mon)	15:30~16:20	P1-481	Saline and Sodic Ecosystems in the Changing World	AF1671	Sakuya Ishibashi	Japan	The University of Tokyo	Poster	remediation of sodic soil by calcium carbonate and pig manure compost
June 9(Mon)	15:30~16:20	P1-482	Saline and Sodic Ecosystems in the Changing World	AF1851	Severin Nijimbere	Belgium	Universite catholique de Louvain	Poster	Effect of soil to water ratios on cation exchange equilibria in salt-affected soils: Case study of Mugerero paddy soils in burundian
June 9(Mon)	15:30~16:20	P1-483	Saline and Sodic Ecosystems in the Changing World	AF1932	Medine Gulluce	Turkey	Ataturk University Science Faculty	Poster	Isolation of salt tolerant microorganisms in salt affected soils of East Anatolian Region, Erzurum, Turkey
June 9(Mon)	15:30~16:20	P1-484	Saline and Sodic Ecosystems in the Changing World	AF1940	Jingsong Yang	China	Institute of Soil Science, Chinese Academy of	Poster	Effect of Land Use Patterns on Soil Carbon Sequestration and its Management in a Typical Coastal Salt-Affected Area of China
June 9(Mon)	15:30~16:20	P1-485	Saline and Sodic Ecosystems in the Changing World	AF2015	Alireza Zahirnia	Iran	sugarcane and by products development company	Poster	Effects of drought and irrigation water salinity increases on quantity and quality of sugarcane production in south west Iran weather
June 9(Mon)	15:30~16:20	P1-486	Saline and Sodic Ecosystems in the Changing World	AF2090	Xiaoning Zhao	Germany	Hohenheim University	Poster	CO <sub>2</sub> flux in salt affected and alkaline soils under cotton in Tarim oasis (China)
June 9(Mon)	15:30~16:20	P1-487	Saline and Sodic Ecosystems in the Changing World	AF2101	Nikolay Khitrov	Russia	V.V.Dokuchaev Soil Science Institute	Poster	Saline and Sodic Vertisols and Vertic soils in European Russia
June 9(Mon)	15:30~16:20	P1-488	Saline and Sodic Ecosystems in the Changing World	AF2208	Valentin Khan	Russia	Dokuchaev Institute of Soil Science	Poster	Diagnostics of the development degree of the solonetzic process in natural and agricultural soils
June 9(Mon)	15:30~16:20	P1-489	Saline and Sodic Ecosystems in the Changing World	AF2332	Kelin Hu	China	China Agricultural University	Poster	Spatial distribution patterns of soil salinity in the heavy salinization zone at different scales in Yinchuan Plain
June 9(Mon)	15:30~16:20	P1-490	Saline and Sodic Ecosystems in the Changing World	AF2537	Guangming Liu	China	Institute of soil science, Chinese academy of sciences	Poster	Characteristics of Soil Salinity in Typical Zone of South Xinjiang
June 9(Mon)	15:30~16:20	P1-491	Saline and Sodic Ecosystems in the Changing World	AF2560	Risa Nagura	Japan	Meiji university	Poster	Effects of sodium ion in different cultural media on salinity tolerance for seedling stages of rice plants (Oryza sativa L.)
June 9(Mon)	15:30~16:20	P1-492	Saline and Sodic Ecosystems in the Changing World	AF2571	Saowanuch Tawornpruek	Thailand	Kasetsart University	Poster	Variability of salt affected soils in Khorat basin, Thailand
June 9(Mon)	15:30~16:20	P1-493	Saline and Sodic Ecosystems in the Changing World	AF2599	John Triantafillis	Australia	The University of New South Wales	Poster	Hydrostratigraphic analysis using electromagnetic induction data and a spatially-constrained algorithm for quasi-three-dimensional
June 9(Mon)	15:30~16:20	P1-494	Saline and Sodic Ecosystems in the Changing World	AF2639	Khaled Ibrahim	Tunisia	Institute of Agricultural Sciences of Chott Mariem	Poster	Soil surface salt accumulation phenomena dominated by shallow groundwater fluctuations under arid and semi-arid climate
June 9(Mon)	15:30~16:20	P1-495	Saline and Sodic Ecosystems in the Changing World	AF2730	Youcai Xiong	China	Lanzhou University, China	Poster	Sandy soil layer alleviates down-to-top enrichment of salts in saline fields
June 9(Mon)	15:30~16:20	P1-496	Saline and Sodic Ecosystems in the Changing World	AF2851	Sanjay Arora	India	Central Soil Salinity Research Institute, Regional Research	Poster	Phyto-remediation of Saline coastal Soils through Halophyte Plant species

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June 9(Mon)	15:30~16:20	P1-497	Saline and Sodic Ecosystems in the Changing World	AF2962	James Fisher	USA	Soil Solutions LLC	Poster	Soil salinization in southern Afghanistan
June 9(Mon)	15:30~16:20	P1-498	Saline and Sodic Ecosystems in the Changing World	AK0962	Sanghun Lee	Korea	National Institute of Crop Science, RDA	Poster	Effectiveness of Subsurface Drainage System at Coarse-Textured Reclaimed Tidal Land
June 9(Mon)	15:30~16:20	P1-499	Saline and Sodic Ecosystems in the Changing World	AK0966	Sanghun Lee	Korea	National Institute of Crop Science, RDA	Poster	Effect of Green Manure Crops on Soil Aggregate Stability under different soil salinity levels at Saemangeum Reclaimed Tidal Land
June 9(Mon)	15:30~16:20	P1-500	Saline and Sodic Ecosystems in the Changing World	AK1704	Sang Eun Lee	Korea	Hankyung National University	Poster	Effect of soil EC on N mineralization of livestock manure compost in sea-reclaimed soils of Korea
June 9(Mon)	15:30~16:20	P1-501	Saline and Sodic Ecosystems in the Changing World	AK1733	Sanghun Lee	Korea	National Institute of Crop Science, RDA	Poster	Effect of Subsurface Drainage Systems on Soil Salinity and Crop Development in Saemangeum Reclaimed Tidal Land
June 9(Mon)	15:30~16:20	P1-502	Saline and Sodic Ecosystems in the Changing World	AK3123	Sanghun Lee	Korea	National Institute of Crop Science, RDA	Poster	Seasonal variations in soil salinity of paddy soil and yield potential in rice( <i>Oryza sativa</i> . L.) cultivated in newly reclaimed tidal lands
June 9(Mon)	15:30~16:20	P1-503	Saline and Sodic Ecosystems in the Changing World	AK3142	Yeoung-Il Kim	Korea	Korea Rural Community Corporation	Poster	A Detailed Soil Survey on Reclaimed Land in the Westen and Southen Costal Area of the Korea Peninsula
June 9(Mon)	15:30~16:20	P1-504	Saline and Sodic Ecosystems in the Changing World	AK3149	Chanwoo Park	Korea	Korea Forest Research Institute	Poster	The effect of soil improvement on soil chemical properties and seedling growth on the undersea dredged soil slope
June 9(Mon)	15:30~16:20	P1-505	Saline and Sodic Ecosystems in the Changing World	AK3152	Su Hwan Lee	Korea	NICS, RDA	Poster	Assessment of Soil Chemical Properties of Typical Salt-affected land in Reclamation Areas in Korea
June 9(Mon)	15:30~16:20	P1-506	Saline and Sodic Ecosystems in the Changing World	AK3171	Seok-In Yun	Korea	Wonkwang University	Poster	Effect of compost and gypsum on production of Chinese cabbage in reclaimed land
June 9(Mon)	15:30~16:20	P1-507	Saline and Sodic Ecosystems in the Changing World	AK3184	Su Hwan Lee	Korea	NICS, RDA	Poster	Effect of a combination of rice straw and gypsum on soil salinity and yield of Potato in newly reclaimed tidal lands
June 9(Mon)	15:30~16:20	P1-508	Advances in Quantifying Forest Soil Processes and Functions	AF0062	Hani Mohsenifar	Iran	University Of Tabriz	Poster	Over ground biomass of EUPHORBIA SP. in Shanjan Rangelands, East Azerbaijan, Iran
June 9(Mon)	15:30~16:20	P1-509	Advances in Quantifying Forest Soil Processes and Functions	AF0092	Bushra Muqaddas	Australia	Griffith University	Poster	Long-term repeated intensive prescribed burning decreases soil carbon and nitrogen pools in a wet sclerophyll forest of Southeast
June 9(Mon)	15:30~16:20	P1-510	Advances in Quantifying Forest Soil Processes and Functions	AF0134	Adele Alijanpour Shalmani	Iran	soil conservation and watershed management	Poster	Estimation of Soil Aggregate Stability in Forest's Soils by Artificial Neural Networks
June 9(Mon)	15:30~16:20	P1-511	Advances in Quantifying Forest Soil Processes and Functions	AF0140	Marton Laszlo	Hungary	ISSAC CAR HAS	Poster	Degradation Indicators and Sustainable Use of Soils
June 9(Mon)	15:30~16:20	P1-512	Advances in Quantifying Forest Soil Processes and Functions	AF0345	Wenbiao Duan	China	Northeast Forestry University	Poster	Components of soil humic substances in larch plantation of Northeast China and their effect on soil acidity
June 9(Mon)	15:30~16:20	P1-513	Advances in Quantifying Forest Soil Processes and Functions	AF0376	Baljit Singh	India	Punjab Agricultural University, Ludhiana - 141	Poster	Carbon sequestration and nutrient removal by some tree species in an agroforestry system in Punjab, India
June 9(Mon)	15:30~16:20	P1-514	Advances in Quantifying Forest Soil Processes and Functions	AF0378	Jasmine Black	United Kingdom	Newcastle University	Poster	Soil organic carbon (SOC) in soils along a rainforest-savannah boundary in central Guyana, South America
June 9(Mon)	15:30~16:20	P1-515	Advances in Quantifying Forest Soil Processes and Functions	AF0466	Stephen Anderson	USA	University of Missouri	Poster	Effects of Logging Activities on Soil Hydraulic Properties in a Hardwood Forest
June 9(Mon)	15:30~16:20	P1-516	Advances in Quantifying Forest Soil Processes and Functions	AF0771	Amit Kumar	India	NIT Kurukshehra	Poster	Spatially Explicit Large Area Net Soil Moisture Dynamics of Different Tree Species in Tropical Wildlife Reserve using Geospatial Strategy
June 9(Mon)	15:30~16:20	P1-517	Advances in Quantifying Forest Soil Processes and Functions	AF1105	Everardo Sampaio	Brazil	UFPE	Poster	Root biomass under stem bases and at different distances from trees in the Brazilian Caatinga
June 9(Mon)	15:30~16:20	P1-518	Advances in Quantifying Forest Soil Processes and Functions	AF1247	Zhao Xiaorui	China	Jiangxi Agriculture university	Poster	Spatial distribution of soil P and its correlation with soil acidity in mountain meadow of WuGong Mountain
June 9(Mon)	15:30~16:20	P1-519	Advances in Quantifying Forest Soil Processes and Functions	AF1270	Xavier Morvan	France	University of Reims	Poster	The effect of Robinia pseudoacacia short rotation coppice on soil physical properties
June 9(Mon)	15:30~16:20	P1-520	Advances in Quantifying Forest Soil Processes and Functions	AF1287	Shuela Mohammed	Iraq	Iraqi citizenship	Poster	The morphological features of mica and chlorite minerals in fine sand fraction in some forest soils of Kurdistan Iraq

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June 9(Mon)	15:30~16:20	P1-521	Advances in Quantifying Forest Soil Processes and Functions	AF1351	Chia-Hsing Lee	Taiwan	National Taiwan University	Poster	The effects of Inceptisols and Ultisols on composition of solution ions in Fushan natural hardwood forest ecosystem in Taiwan
June 9(Mon)	15:30~16:20	P1-522	Advances in Quantifying Forest Soil Processes and Functions	AF1374	Kadum Abdullah	Australia	Environmental Futures Centre and School of	Poster	The effect of prescribed burning on soil microbial properties in a suburban native forest of South-east Queensland
June 9(Mon)	15:30~16:20	P1-523	Advances in Quantifying Forest Soil Processes and Functions	AF1508	Steffen Seitz	Germany	Eberhard Karls University Tubingen	Poster	The impact of biodiversity on initial soil erosion processes and nutrient fluxes in subtropical forest ecosystems
June 9(Mon)	15:30~16:20	P1-524	Advances in Quantifying Forest Soil Processes and Functions	AF1763	Makoto Shibata	Japan	Kyoto University	Poster	Nitrogen fluxes in the soil profile of tropical seasonal forests in Cameroon
June 9(Mon)	15:30~16:20	P1-525	Advances in Quantifying Forest Soil Processes and Functions	AF1826	Clare Wilson	United Kingdom	University of Stirling	Poster	Novel techniques for expanding our understanding of soil disturbance resulting from stump harvesting operations
June 9(Mon)	15:30~16:20	P1-526	Advances in Quantifying Forest Soil Processes and Functions	AF1861	Tibor Toth	Hungary	Centre for Agricultural Research of the Hungarian	Poster	Effect of forest stands on the subsurface salt accumulation and on the watertable level
June 9(Mon)	15:30~16:20	P1-527	Advances in Quantifying Forest Soil Processes and Functions	AF1960	Darren Bouwer	South Africa	University of the Free State	Poster	HYDROPEDEOLOGICAL INTERPRETATION OF ANCIENT AND RECENT SOIL PROPERTIES
June 9(Mon)	15:30~16:20	P1-528	Advances in Quantifying Forest Soil Processes and Functions	AF1997	Dmitry Shchepashchenko	Austria	International Institute for Applied Systems Analysis	Poster	Soil contribution to carbon budget of Russian forests
June 9(Mon)	15:30~16:20	P1-529	Advances in Quantifying Forest Soil Processes and Functions	AF2080	Vegard Martinsen	Norway	Norwegian university of life sciences	Poster	Grazing in mountain ecosystems; Results of long-term experiments in Norway
June 9(Mon)	15:30~16:20	P1-530	Advances in Quantifying Forest Soil Processes and Functions	AF2124	Lubos Boruvka	Czech Republic	Czech University of Life Sciences Prague	Poster	Effect of stand factors and tree species composition on the content of potentially toxic elements in forest soils
June 9(Mon)	15:30~16:20	P1-531	Advances in Quantifying Forest Soil Processes and Functions	AF2145	Pierre Lucisine	France	Laboratoire interdisciplinaire des environnements	Poster	The brownfield of the Eiffel tower steel mill: a highly contaminated but well-functioning ecosystem
June 9(Mon)	15:30~16:20	P1-532	Advances in Quantifying Forest Soil Processes and Functions	AF2183	Chih-Hsin Cheng	Taiwan	National Taiwan University	Poster	Effect of landslide deposition on soil properties in the Xitou Experiment Forest, central Taiwan
June 9(Mon)	15:30~16:20	P1-533	Advances in Quantifying Forest Soil Processes and Functions	AF2224	Nadiia Rositska	Ukraine	M.M. Gryshko National Botanical Garden	Poster	Effect of silicon application in soil on Betula pendula Roth. growth under water deficiency stress
June 9(Mon)	15:30~16:20	P1-534	Advances in Quantifying Forest Soil Processes and Functions	AF2239	Hisao Sakai	Japan	Forestry and Forest Products Research Institute	Poster	Effects of slope gradient and planted species on the state of soil organic carbon storage in a high rainfall forested area of Shikoku
June 9(Mon)	15:30~16:20	P1-535	Advances in Quantifying Forest Soil Processes and Functions	AF2275	Sanatan Das Gupta	Canada	University of Alberta	Poster	Aboveground and Belowground Patterns in Pyrogenic Boreal Aspen Ecosystems: What Governs Nutrient Availability?
June 9(Mon)	15:30~16:20	P1-536	Advances in Quantifying Forest Soil Processes and Functions	AF2348	Chackapong Chaiwong	Thailand	Maejo university	Poster	Assessment of Carbon Stock in Soil and Restored Deciduous forest at Huai Hong Khrai Royal Development Study Center, Northern
June 9(Mon)	15:30~16:20	P1-537	Advances in Quantifying Forest Soil Processes and Functions	AF2628	Xiaorong Wei	China	Institute of Soil and Water Conservation	Poster	Distribution of organic carbon and nitrogen associated with aggregates in semiarid conifer forest of the Loess Plateau, China
June 9(Mon)	15:30~16:20	P1-538	Advances in Quantifying Forest Soil Processes and Functions	AF2708	Michelle Ann Calubaquib	Philippines	University of the Philippines Los Banos	Poster	EDAPHOLOGICAL CHARACTERISTICS OF SELECTED PHILIPPINE ACID UPLAND SOILS AS AFFECTED BY SOIL AMENDMENTS AND
June 9(Mon)	15:30~16:20	P1-539	Advances in Quantifying Forest Soil Processes and Functions	AF2798	Brajkishore Sinha	India	S S Memorial College, Ranchi University, Ranchi, Jharkhand	Poster	Functions and complexities of a reclaimed mine spoil: A case study of Kathara Coalmine area of Jharkhand, India
June 9(Mon)	15:30~16:20	P1-540	Advances in Quantifying Forest Soil Processes and Functions	AF2928	Romel Armecin	Philippines	Visayas State University	Poster	Establishing Relationships between Soil Fertility Indicators and Abaca Biomass Production in Central Philippines
June 9(Mon)	15:30~16:20	P1-541	Advances in Quantifying Forest Soil Processes and Functions	AF3086	Endre Dobos	Hungary	University of Miskolc	Poster	Pollution analysis of soils in the caves of Bukk -mountains
June 9(Mon)	15:30~16:20	P1-542	Advances in Quantifying Forest Soil Processes and Functions	AK1735	A-Ram Yang	Korea	Korea Practice Research Center, Korea Forest	Poster	The early effect of fertilization on growth of Quercus serrata seedlings in harvested Pinus rigida plantation, Korea
June 9(Mon)	15:30~16:20	P1-543	Advances in Quantifying Forest Soil Processes and Functions	AK1742	A-Ram Yang	Korea	Korea Practice Research Center, Korea Forest	Poster	The comparison of seedling growth of Zelkova serrata according to aspects at harvested Pinus rigida plantation, Korea
June 9(Mon)	15:30~16:20	P1-544	Advances in Quantifying Forest Soil Processes and Functions	AK1745	A-Ram Yang	Korea	Korea Practice Research Center, Korea Forest	Poster	Regional differences in early growth of Pinus densiflora seedlings at harvested Pinus rigida plantations, Korea

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June 9(Mon)	15:30~16:20	P1-545	Advances in Quantifying Forest Soil Processes and Functions	AK2252	Ko Seok-Oh	Korea	Kyung Hee University	Poster	Simultaneous Removal of Semi-volatile Organic Compounds and Heavy Metals in Soil by Using Ultrasound-Assisted Soil Washing
June 9(Mon)	15:30~16:20	P1-546	Advances in Quantifying Forest Soil Processes and Functions	AK2487	Jae Seong Park	Korea	Seoul National University	Poster	Comparison of soil properties of two elevations in the Mt. Makiling Forest Reserve, the Philippines
June 9(Mon)	15:30~16:20	P1-547	Environmental Management of Post-Epidemic Carcass Burial Sites	AK0767	Youngmin Cho	Korea	Korea Railroad Research Institute	Poster	Practical Application of Novel Physical Ballast Washing System to Soil Remediation in Polluted Rail Yard
June 9(Mon)	15:30~16:20	P1-548	Environmental Management of Post-Epidemic Carcass Burial Sites	AK1970	Geonha Kim	Korea	Hannam Univerisity	Poster	Needs of Biosecurity and Protocols for the Environmental Management of Carcasses Burial
June 9(Mon)	15:30~16:20	P1-549	Environmental Management of Post-Epidemic Carcass Burial Sites	AK1979	Geonha Kim	Korea	Hannam Univerisity	Poster	Detection of foot-and-mouth disease virus and coxsakievirus in the soil and leachate of modeled carcass burial site
June 9(Mon)	15:30~16:20	P1-550	Environmental Management of Post-Epidemic Carcass Burial Sites	AK1991	Geonha Kim	Korea	Hannam Univerisity	Poster	Cost Analysis for the Carcass Burial Construction
June 9(Mon)	15:30~16:20	P1-551	Environmental Management of Post-Epidemic Carcass Burial Sites	AK3137	Kyu Seok Jung	Korea	National Academy of Agricultural Science, RDA	Poster	Survival of Escherichia coli O157:H7 and Listeria monocytogenes in Soil, Liquid Manure, and Liquid Manure Amended Soil
June 9(Mon)	15:30~16:20	P1-552	Environmental Management of Post-Epidemic Carcass Burial Sites	AK3209	Ju-Sik Cho	Korea	Department of bio-environmental sciences,	Poster	Microbial Community Analysis of Cattle and Pigs Carcass at Burial Sites
June 9(Mon)	15:30~16:20	P1-553	Soil Ecosystem under Climate Change	AF0370	Venecio Ultra	Korea	Catholic University of Daegu	Poster	Soil biochemical and rhizosphere properties of Pterocarpus indicus grown in contrasting N levels in soil exposed to elevated
June 9(Mon)	15:30~16:20	P1-554	Soil Ecosystem under Climate Change	AF0625	Kun Cheng	China	Nanjing Agricultural University	Poster	Re-evaluating the biophysical and technologically attainable potential of topsoil carbon sequestration in China's cropland
June 9(Mon)	15:30~16:20	P1-555	Soil Ecosystem under Climate Change	AF0645	Yuzhe Wang	China	Nankai University	Poster	Impact of litter addition on gross nitrogen transformations in a suburban native forest under repeated prescribed burning in south-
June 9(Mon)	15:30~16:20	P1-556	Soil Ecosystem under Climate Change	AF0651	Pavan Kumar	India	Banasthali University	Poster	Geospatial Approach for Carbon Sink in the Soil: An Investigation on Credible Strategy for Tropical Wildlife Reserve
June 9(Mon)	15:30~16:20	P1-557	Soil Ecosystem under Climate Change	AF0720	Gaelle Ng Kam Chuen	Australia	La Trobe University	Poster	Experimental warming decreases decomposition and nutrient release: evidence from an alpine ecosystem
June 9(Mon)	15:30~16:20	P1-558	Soil Ecosystem under Climate Change	AF0738	Saikat Chowdhury	Banglades h	Sher-e-Bangla Agricultural University	Poster	MICROBIAL FIXATION OF ATMOSPHERIC CO <sub>2</sub> AS INFLUENCED BY ORGANIC AMENDMENT ADDITION IN SOIL
June 9(Mon)	15:30~16:20	P1-559	Soil Ecosystem under Climate Change	AF0739	Saikat Chowdhury	Banglades h	Sher-e-Bangla Agricultural University	Poster	THE EFFECT OF HEAVY METAL ON THE PRIMING OF SOIL ORGANIC CARBON INDUCED BY GLUCOSE ADDITION
June 9(Mon)	15:30~16:20	P1-560	Soil Ecosystem under Climate Change	AF0926	Fahmida Rahman	Banglades h	Bangladesh Rice Research Institute(BRRI), Gazipur	Poster	Effect of Different Organic Manures and Chemical Fertilizers on CO <sub>2</sub> Emission, Carbon Sequestration and Rice Yield in Soils Under Rice-
June 9(Mon)	15:30~16:20	P1-561	Soil Ecosystem under Climate Change	AF0969	Yoshiyuki Inagaki	Japan	Forestry and Forest Products Research Institute	Poster	Effects of thinning on nitrogen utilization of hinoki cypress and understory vegetation in Shikoku Island, southern Japan.
June 9(Mon)	15:30~16:20	P1-562	Soil Ecosystem under Climate Change	AF1424	Chinapatana Sukvibool	Thailand	Division of Soil and Water Conservation Research and	Poster	Soil carbon dynamics under soil management systems for maize cultivation in Thailand
June 9(Mon)	15:30~16:20	P1-563	Soil Ecosystem under Climate Change	AF1533	Dwi Astiani	Indonesia	Universitas Tanjungpura (UNTAN)	Poster	PEAT SOIL CO <sub>2</sub> RESPIRATION ALONG A LAND-USE CHANGE GRADIENT
June 9(Mon)	15:30~16:20	P1-564	Soil Ecosystem under Climate Change	AF1604	Jeyanny Vijayanathan	Malaysia	Forest Research Institute Malaysia (FRIM)	Poster	Carbon stocks in various carbon pools of Acacia mangium planted forest in Peninsular Malaysia.
June 9(Mon)	15:30~16:20	P1-565	Soil Ecosystem under Climate Change	AF1689	Oxana Belyaeva	Australia	Department of Environment & Primary Industries	Poster	Effect of different pasture termination strategies on N <sub>2</sub> O emission in high rainfall cropping systems
June 9(Mon)	15:30~16:20	P1-566	Soil Ecosystem under Climate Change	AF1714	Haixin Chen	China	Northwest A & F University	Poster	Assessment of Projected Climate Change on Soil Organic Carbon and Crop Yield Based on the Recent 20 yrs Fertilization Applications
June 9(Mon)	15:30~16:20	P1-567	Soil Ecosystem under Climate Change	AF1716	Sho Sudo	Japan	Graduate school of Horticulture Chiba University	Poster	Prediction of soil nitrogen mineralization as affected by in-situ warming in paddy fields in Japan
June 9(Mon)	15:30~16:20	P1-568	Soil Ecosystem under Climate Change	AF1877	Meihua Deng	China	School of Environment, Tsinghua University	Poster	Regional scale modeling of nitrogen cycle on Andosols in an intensive livestock farming area

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June 9(Mon)	15:30~16:20	P1-569	Soil Ecosystem under Climate Change	AF1892	Liu Su	China	China Agricultural University	Poster	N2O Emissions from a Solar Greenhouse Soil as affected by Nutrient Management
June 9(Mon)	15:30~16:20	P1-570	Soil Ecosystem under Climate Change	AF1906	Pariante Sarah	Israel	Bar Ilan University	Poster	Pedo-ecological patchiness as affected by rock fragments in semiarid rangelands
June 9(Mon)	15:30~16:20	P1-571	Soil Ecosystem under Climate Change	AF1961	Christian Poll	Germany	University of Hohenheim	Poster	Impact of climate change on carbon cycling and soil microorganisms in an arable ecosystem
June 9(Mon)	15:30~16:20	P1-572	Soil Ecosystem under Climate Change	AF2073	Noura Ziadi	Canada	Soils and Crops Research and Development Centre,	Poster	Effects of Tillage and Fertilization on Nitrate and Phosphate Desorbed from Anionic Exchange Membranes over winter
June 9(Mon)	15:30~16:20	P1-573	Soil Ecosystem under Climate Change	AF2137	Ahmad Heidari	Iran	University of Tehran	Poster	Comparison of CO2 emission from two different soils in vitro
June 9(Mon)	15:30~16:20	P1-574	Soil Ecosystem under Climate Change	AF2187	Cristina Munoz	Chile	Universidad de Concepcion	Poster	Does temperature differentiate decomposition rates of labile and recalcitrant soil organic carbon?
June 9(Mon)	15:30~16:20	P1-575	Soil Ecosystem under Climate Change	AF2306	Gajanan Wagh	India	Rayat Shikshan Sansthas, S.P.College Lonand,Tal-	Poster	Effect of climatic conditions on Physico-chemical properties of soil from Panvel and Pune District of Maharashtra, India
June 9(Mon)	15:30~16:20	P1-576	Soil Ecosystem under Climate Change	AF2359	Bhanooduth Lalljee	Mauritius	university of Mauritius	Poster	Effect of various organic mulches on soil enzymes
June 9(Mon)	15:30~16:20	P1-577	Soil Ecosystem under Climate Change	AF2445	Husnain Husnain	Indonesia	Indonesian Soil Research Institute	Poster	THE EFFECTS OF FERTILIZATION ON CO2 EMISSIONS FROM PEAT SOILS IN RIAU, INDONESIA
June 9(Mon)	15:30~16:20	P1-578	Soil Ecosystem under Climate Change	AF2502	Clayton Butterly	Australia	La Trobe University	Poster	Effects of elevated CO <sub>2</sub> on soil properties and residue decomposition
June 9(Mon)	15:30~16:20	P1-579	Soil Ecosystem under Climate Change	AF2761	James Mutegi	Kenya	International Plant Nutrition Institute (IPNI)	Poster	Integrated Soil Fertility Management Strategies for Climate Change Adaptation in Africa
June 9(Mon)	15:30~16:20	P1-580	Soil Ecosystem under Climate Change	AF2767	Nurul Raihan Abd Rashid	Malaysia	UNIVERSITI PUTRA MALAYSIA	Poster	GERMINATED OIL PALM ( <i>Elaeis guineensis</i> Jacq.) SEEDLINGS RESPONSES TOWARDS GIBBERELIC ACID (GA3) TREATMENT UNDER
June 9(Mon)	15:30~16:20	P1-581	Soil Ecosystem under Climate Change	AF2821	Sabrina Juarez	France	iEES, Universite Pierre et Marie Curie	Poster	Soil fluxes of carbonyl sulfide (COS) and carbon dioxide (CO <sub>2</sub> ) in a tropical forest ecosystem
June 9(Mon)	15:30~16:20	P1-582	Soil Ecosystem under Climate Change	AF3268	Dennis Timlin	USA	USDA-ARS	Poster	Increased CO <sub>2</sub> and temperature effects on soil water balances under Maize and Potato
June 9(Mon)	15:30~16:20	P1-583	Soil Ecosystem under Climate Change	AK0454	Prabhat Pramanik	Korea	Gyeongsang National University	Poster	Warmer atmospheric temperature enhances microbial activity to facilitate the rate of organic C mineralization in soil of North-eastern
June 9(Mon)	15:30~16:20	P1-584	Soil Ecosystem under Climate Change	AK1585	Minseok Park	Korea	Korea University	Poster	The impact of increasing temperature on carbon dynamics in the Antarctic soil
June 9(Mon)	15:30~16:20	P1-585	Soil Ecosystem under Climate Change	AK2326	Ji-Suk Park	Korea	Seoul National University	Poster	Temporal Change in Soil Carbon Dynamics under <i>Pinus koraiensis</i> and <i>Quercus acutissima</i> Forest Floors.
June 9(Mon)	15:30~16:20	P1-586	Soil Ecosystem under Climate Change	AK2424	June Wee	Korea	Korea University	Poster	Effects of soil temperature and aging time on the toxicity of glyphosate to two Collembolan species
June 9(Mon)	15:30~16:20	P1-587	Soil Ecosystem under Climate Change	AK2528	Sun Yong Sung	Korea	Seoul National University	Poster	Assessment of Soil Carbon Stock change on cut-slope
June 9(Mon)	15:30~16:20	P1-588	Soil Ecosystem under Climate Change	AK3154	Sun-Hee Woo	Korea	Department of Crop Science, Chungbuk National	Poster	Abiotic stress on photosynthetic machinery in C4 plants: insights from sorghum chloroplast proteomics
June 9(Mon)	15:30~16:20	P1-589	Soil Ecosystem under Climate Change	AK3157	Sun-Hee Woo	Korea	Department of Crop Science, Chungbuk National	Poster	Characterization of Abiotic Stress Responsive Protein in Wheat Grain
June 9(Mon)	15:30~16:20	P1-590	Soil Ecosystem under Climate Change	AK3158	Sun-Hee Woo	Korea	Department of Crop Science, Chungbuk National	Poster	Comparative analysis of biotic stress-responsive proteins in hexaploid wheat
June 9(Mon)	15:30~16:20	P1-591	Soil Ecosystem under Climate Change	AK3159	Sun-Hee Woo	Korea	Department of Crop Science, Chungbuk National	Poster	Evaluation of flooding tolerance of soybean cultivars and analysis of the tolerance mechanism using proteomics techniques
June 9(Mon)	15:30~16:20	P1-592	Soil Ecosystem under Climate Change	AK3160	Sun-Hee Woo	Korea	Department of Crop Science, Chungbuk National	Poster	Metabolites Analysis in Wheat Root under Salinity Stress

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June 9(Mon)	15:30~16:20	P1-593	Soil Ecosystem under Climate Change	AK3162	Sun-Hee Woo	Korea	Department of Crop Science, Chungbuk National	Poster	Profiling of Mitochondrial Proteome in Wheat roots
June 9(Mon)	15:30~16:20	P1-594	Soil Ecosystem under Climate Change	AK3164	Sun-Hee Woo	Korea	Department of Crop Science, Chungbuk National	Poster	Proteome Analysis of Roots of Wheat Seedlings under Aluminum Stress
June 9(Mon)	15:30~16:20	P1-595	Soil Ecosystem under Climate Change	AK3167	Sun-Hee Woo	Korea	Department of Crop Science, Chungbuk National	Poster	Proteomics Analysis of the Wheat Chloroplast and Sub-Organelle Compartments: Isolation and Fractionation by using Gradient
June 9(Mon)	15:30~16:20	P1-596	Soil Ecosystem under Climate Change	AK3192	Seok-In Yun	Korea	Wonkwang University	Poster	Effects of added organic carbon and increasing temperature on soil respiration rate
June 9(Mon)	15:30~16:20	P1-597	Soil Ecosystem under Climate Change	AK3215	Seungtak Jeong	Korea	Soil science lab, Division of applied life science,	Poster	Intermittent drainage suppresses more effectively methane emission in high biomass amended paddy during rice cultivation
June 9(Mon)	15:30~16:20	P1-598	Soil Ecosystem under Climate Change	AK3216	Hyunyoung Hwang	Korea	Division of Applied Life Science (BK 21 Program),	Poster	Importance of rice root oxidation potential as a regulator of CH4 production under waterlogged conditions
June 9(Mon)	15:30~16:20	P1-599	Soil Ecosystem under Climate Change	AK3217	Seungtak Jeong	Korea	Soil science lab, Division of applied life science,	Poster	Evaluation of Root Oxidizing Potential as a Regulator of Rice Root Iron Uptake Using Image Analysis
June 9(Mon)	15:30~16:20	P1-600	Soil Ecosystem under Climate Change	AK3218	Hyunyoung Hwang	Korea	Division of Applied Life Science (BK 21 Program),	Poster	Combination of methanogenesis and microbial respiration as a scalar to determine microbial biomass activity in waterlogged soils
June 9(Mon)	15:30~16:20	P1-601	Soil Ecosystem under Climate Change	AK3220	Seungtak Jeong	Korea	Soil science lab, Division of applied life science,	Poster	Effect of plastic film mulching on greenhouse gases emission in cover crop amended soil as a green manure during corn cultivation
June 9(Mon)	15:30~16:20	P1-602	Soil Ecosystem under Climate Change	AK3221	Hyunyoung Hwang	Korea	Division of Applied Life Science (BK 21 Program),	Poster	Comparison of Global Warming Potential between Rice Paddy and Upland Soils during Cropping Season
June 9(Mon)	15:30~16:20	P1-603	Soil Ecosystem under Climate Change	AK3244	Yun-Sik Lee	Korea	Korea univ.	Poster	Effect of temperature and soil properties on Collembola communities in Korean forest soil
June 10(Tue)	All day	Art Poster	Soil Information and Food Security-art		Nil By Mouth				
June 10(Tue)	15:30~16:20	P2-1	Soil Information and Food Security	AF0044	Suarau Oshunsanya	Nigeria	University of Ibadan	Poster	Growth performance and mineral composition of Moringa oleifera seedlings as influenced by surface and subsoil under water stress
June 10(Tue)	15:30~16:20	P2-2	Soil Information and Food Security	AF0079	Hafeez Babar	Pakistan	Agriculture Research Department, Sindh Pakistan	Poster	Screening of ten rice genotypes for Zn efficiency by using solution culture
June 10(Tue)	15:30~16:20	P2-3	Soil Information and Food Security	AF0084	Afshin Mozafari	Iran	Islamic Azad University (IAU), branch of Ilam , Iran	Poster	The Study of Lead (Pb) remediation, Antioxidant Enzyme Activity and Malondialdehyde Biomarker Content in Two Barely Species In
June 10(Tue)	15:30~16:20	P2-4	Soil Information and Food Security	AF0277	Crepin Bi Pene	Ivory Coast	SUCAFCI/SOMDIAA	Poster	Screening of early and late-season sugarcane varieties on sprinkler irrigated ferralsols in northern Ivory Coast following a new selection
June 10(Tue)	15:30~16:20	P2-5	Soil Information and Food Security	AF0321	Lorna Dawson	United Kingdom	The James Hutton Institute	Poster	The Scottish Government's Portfolio of Research providing the research base and tools for understanding soil and how that impacts
June 10(Tue)	15:30~16:20	P2-6	Soil Information and Food Security	AF0427	Garib Mammadov	Azerbaijan	Azerbaijan National Academy of Sciences	Poster	USING SOIL INFORMATION IN GEOSPATIAL NATURAL DISASTER ANALYSIS
June 10(Tue)	15:30~16:20	P2-7	Soil Information and Food Security	AF0629	Mahmoud El Kholy	Egypt	Soil&Water and Environment Research Institute,Soil	Poster	EFFECT OF POTASSIUM FERTILIZATION FORMS ON GROWTH, YIELD AND QUALITY OF THE SUGAR BEET CROP IN SALT AFFECTED SOILS
June 10(Tue)	15:30~16:20	P2-8	Soil Information and Food Security	AF0689	Mahdi Sadeghi Pour Marvi	Iran	University of Tehran	Poster	Interaction of Nitrogen and Phosphorous Rates on Fertilizer Use Efficiency in Lettuce and Spinach
June 10(Tue)	15:30~16:20	P2-9	Soil Information and Food Security	AF0774	Weige Yang	China	Institute of Soil and Water Conservation, Chinese	Poster	Soil quality and crop production in an agricultural catchment of the typical Mollisol region, Northeast China
June 10(Tue)	15:30~16:20	P2-10	Soil Information and Food Security	AF0867	Jie Xiao-Lei	China	Huanghuai University	Poster	Transmission of Selenium and Cobalt in " Soil-Pasture-Feed-Animal Chain"(SPFAC) and Their Regulation to the Nutritions of Pasture and
June 10(Tue)	15:30~16:20	P2-11	Soil Information and Food Security	AF0996	Alfred Hartemink	USA	University of Wisconsin - Madison	Poster	Soil science publications: trends and impact
June 10(Tue)	15:30~16:20	P2-12	Soil Information and Food Security	AF1080	Kefeng Zhang	China	Ningbo Institute of Technology, Zhejiang	Poster	Model development for multi-sensor irrigation systems to optimise water use in crop production

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June 10(Tue)	15:30~16:20	P2-13	Soil Information and Food Security	AF1091	Aiman Suleiman	Lebanon	American University of Beirut	Poster	Use of Phosphoric Acid as a Source of P-Fertilizer in Calcareous Soils
June 10(Tue)	15:30~16:20	P2-14	Soil Information and Food Security	AF1245	Alinne Silva	Brazil	University of Sao Paulo	Poster	Effect of phosphorus uptake efficiency on micronutrients content in grains of wheat and soybean cultivars
June 10(Tue)	15:30~16:20	P2-15	Soil Information and Food Security	AF1296	Aly Abdel-Mawgoud	Egypt	Fac. of Agric., Al-Azhar Univ., Assiut, Egypt	Poster	Deficit irrigation and nitrogen fertilizers effects on crop production and environment hazardous of nitrate leaching in Upper Egypt.
June 10(Tue)	15:30~16:20	P2-16	Soil Information and Food Security	AF1467	Benjamin Appiah-Kubi	Ghana	INTERNATIONAL VOLUNTARY ORGANISATION	Poster	Soil Information and Food Security
June 10(Tue)	15:30~16:20	P2-17	Soil Information and Food Security	AF1535	Herminia Martinez	Brazil	Universidade Federal de Vicosa	Poster	Sufficiency ranges and optimal levels of soil fertility to the coffee crop in Minas Gerais, Brazil
June 10(Tue)	15:30~16:20	P2-18	Soil Information and Food Security	AF1779	Dr. Anisur Rahman Khan	India	Indian Council of Agricultural Research	Poster	Evaluation of rice and maize cropping system under contrasting tillage practices in alluvial soil of eastern Indo-Gangetic plains of
June 10(Tue)	15:30~16:20	P2-19	Soil Information and Food Security	AF1872	Ayodele Ajayi	Nigeria	Federal University of Technology, Akure, Ondo	Poster	Estimating load bearing capacity of some agricultural soils of the Cerrado region using precompression stress data
June 10(Tue)	15:30~16:20	P2-20	Soil Information and Food Security	AF2058	Mohammad Mehdi Tehrani	Iran	Soil and Water Research Institute	Poster	Spatial Variability of Available Potassium in Arable Soils of Mazandaran and its Relationship with soil properties and Rainfall
June 10(Tue)	15:30~16:20	P2-21	Soil Information and Food Security	AF2136	Luiz Roberto Guimaraes	Brazil	Federal University of Lavras	Poster	Mapping Soil Zinc Levels and Spatial Variability in Brazil: Is Zinc Deficiency a Problem for Highly Technified Farmers in the Brazilian
June 10(Tue)	15:30~16:20	P2-22	Soil Information and Food Security	AF2152	Yasmin Aluwihare	Sri Lanka	Faculty of Science, University of Peradeniya	Poster	Screening and selection of Sri Lankan rice varieties for phosphate deficiency tolerance
June 10(Tue)	15:30~16:20	P2-23	Soil Information and Food Security	AF2163	Mercy Nyambura	Kenya	World Agroforestry Centre	Poster	Can diffuse mid infrared reflectance provide information on soil micronutrient status?
June 10(Tue)	15:30~16:20	P2-24	Soil Information and Food Security	AF2172	Mercy Nyambura	Kenya	World Agroforestry Centre	Poster	Potential of MIR, TXRF and XRD as complementary techniques for assessment of soil properties.
June 10(Tue)	15:30~16:20	P2-25	Soil Information and Food Security	AF2305	Feng Huang	China	College of Resource and Environment, China	Poster	Effects of Different Soil Inputs of SWAT on Basin-scale Hydrological Simulations in China
June 10(Tue)	15:30~16:20	P2-26	Soil Information and Food Security	AF2354	Wenxiu Zou	China	Northeast Institute of geology and agriculture, CAS	Poster	Extracting Soil Water Storage Pattern using a Self-Organizing Map
June 10(Tue)	15:30~16:20	P2-27	Soil Information and Food Security	AF2556	Hua Wang	China	Jiangxi Agricultural University	Poster	The effect of soil nitrogen and relevant microorganism under different fertilization treatment in Camellia oleifera forest
June 10(Tue)	15:30~16:20	P2-28	Soil Information and Food Security	AF2564	Daniel Brough	Australia	Department of Science, Information Technology,	Poster	Land evaluation with digital soil mapping for regional agricultural resource assessment
June 10(Tue)	15:30~16:20	P2-29	Soil Information and Food Security	AF2566	Mohammad Nabi Gheibi	Iran	Soil and Water Research institute	Poster	Wheat Seedlings Urease Activity As Affected By Nickel and Nitrogen Sources
June 10(Tue)	15:30~16:20	P2-30	Soil Information and Food Security	AF2694	Warshi S. Dandeniya	Sri Lanka	University of Peradeniya	Poster	Tea green-leaf yield as affected by soil fertility: A case study with small-holder tea planters in Kegalle and Kandy districts in Sri Lanka
June 10(Tue)	15:30~16:20	P2-31	Soil Information and Food Security	AF2704	Maria Fitriana	Indonesia	Agriculture faculty University of Sriwijaya	Poster	CORN GROWTH AND CORN YIELD DUE TO ORGANIC MATTER TREATMENTS AND NPK FERTILIZER APPLICATIONS IN SOUTH
June 10(Tue)	15:30~16:20	P2-32	Soil Information and Food Security	AF2711	Arun Kumar Mishra	India	Forest & Environment Department, Odisha, India	Poster	Introduction of pulse crop in rice - fallow system through use of conservation agriculture practices in western Odisha
June 10(Tue)	15:30~16:20	P2-33	Soil Information and Food Security	AF2713	Fenli Zheng	China	Northwest A&F University	Poster	How soil erosion affects soil quality and corn yield in the Mollisol region of Northeast China
June 10(Tue)	15:30~16:20	P2-34	Soil Information and Food Security	AF2802	K.r. Latha	India	Tamil Nadu Agricultural University	Poster	Drip Fertigation on the Nutrient Uptake and Grain Yield of Pigeonpea
June 10(Tue)	15:30~16:20	P2-35	Soil Information and Food Security	AF2849	Palaniappa Pillai Malarvizhi	India	Tamil Nadu Agricultural University Coimbatore	Poster	Genotypic Variations in Phosphorus Acquisition and Utilization Efficiency in Rice
June 10(Tue)	15:30~16:20	P2-36	Soil Information and Food Security	AF2883	Tiago Pellini	Brazil	Agricultural Research Institute of Parana state -	Poster	Soil management systems on annual crops in Brazil: figures from the 2006 Agricultural Census

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June 10(Tue)	15:30~16:20	P2-37	Soil Information and Food Security	AF3012	Carlos Cruz	Mexico	INEGI	Poster	Advances measuring and monitoring carbon in soils of Mexico
June 10(Tue)	15:30~16:20	P2-38	Soil Information and Food Security	AF3025	Hakki Emrah Erdogan	Turkey	Turkish Republic Ministry of Food, Agriculture and	Poster	Rationalization and Harmonization of Turkish Legacy Soil Data.Rationalization and Harmonization of Turkish Legacy Soil Data:
June 10(Tue)	15:30~16:20	P2-39	Soil Information and Food Security	AF3106	Abd-Alla Gad	Egypt	National Authority for Remote Sensing and Space	Poster	Remote Sensing and GIS for Digital Land Resources Mapping of the Northwestern Coast, Egypt
June 10(Tue)	15:30~16:20	P2-40	Soil Information and Food Security	AF3140	Vinod Kumar Singh	India	Project Directorate for Farming Systems Research	Poster	Optimizing nutrient management strategies for rice-wheat system in the Indo-Gangetic Plains and adjacent region for higher production
June 10(Tue)	15:30~16:20	P2-41	Soil Information and Food Security	AK3007	Sang Il Na	Korea	National Academy of Agricultural Science, RDA	Poster	Estimation NPP on paddy soils in South Korea using CASA model
June 10(Tue)	15:30~16:20	P2-42	Soil Information and Food Security	AK3118	Kyungdo Lee	Korea	National Academy of Agricultural Science	Poster	Evapotranspiration estimating in a rice field using TSEB model with modified soil heat flux equation
June 10(Tue)	15:30~16:20	P2-43	Soil Information and Food Security	AK3017	Shin-Chul Baek	Korea	National Academy of Agricultural Science, RDA	Poster	Classification of soil desalination area for crop cultivation using Radarsat imagery in Saemangeum reclaimed land
June 10(Tue)	All day	Art Poster	Biochar Soil Amendment for Environmental and Agronomic		Ayumi Matsuzaka				
June 10(Tue)	15:30~16:20	P2-44	Biochar Soil Amendment for Environmental and Agronomic	AF0113	Awtar Singh	India	Institute of agricultural sciences,Banaras Hindu	Poster	EFFECT OF RICE HUSK BIOCHAR AND PGPR ON RICE YIELD, NUTRIENT UPTAKE AND NUTRIENT AVAILABILITY IN ALLUVIAL SOIL
June 10(Tue)	15:30~16:20	P2-45	Biochar Soil Amendment for Environmental and Agronomic	AF0117	Nicola Winning	United Kingdom	Scotland's Rural College	Poster	Evaluation of the effect of biochar on greenhouse gas emissions from slurry storage and slurry amended arable soil
June 10(Tue)	15:30~16:20	P2-46	Biochar Soil Amendment for Environmental and Agronomic	AF0125	Gilbert C. Sigua	USA	USDA-Agricultural Research Service	Poster	Efficacy of Biochar in Improving Root Growth and Water Holding Capacity of Hard Setting Subsoil Layer in Coastal Plains USA
June 10(Tue)	15:30~16:20	P2-47	Biochar Soil Amendment for Environmental and Agronomic	AF0207	Gerardo Ojeda	Portugal	IMAR - Instituto do Mar - Universidade de Coimbra	Poster	Does biochar affect the microbial activity in estuarine sediments?
June 10(Tue)	15:30~16:20	P2-48	Biochar Soil Amendment for Environmental and Agronomic	AF0228	Chen-Chi Tsai	Taiwan	National Ilan University	Poster	Carbon Mineralization Kinetics of Added Biochar in Swine Manure Compost-Treated Soils
June 10(Tue)	15:30~16:20	P2-49	Biochar Soil Amendment for Environmental and Agronomic	AF0284	Koji Kameyama	Japan	National Institute for Rural Engineering, National	Poster	Effects of biochar incorporation on Cd bioavailability in a Cd-contaminated agricultural soil
June 10(Tue)	15:30~16:20	P2-50	Biochar Soil Amendment for Environmental and Agronomic	AF0306	Ibrahim Razaq	Iraq	Directorate of Agricultural Research, Ministry of Science	Poster	Growth and Yield of Cucumber under Organic Farming Practices in Arid Regions Conditions
June 10(Tue)	15:30~16:20	P2-51	Biochar Soil Amendment for Environmental and Agronomic	AF0403	Muqiu Zhao	China	Institute of Applied Ecology, Chinese Academy of	Poster	Effects of different biochars on amelioration of acid soil in the South of China
June 10(Tue)	15:30~16:20	P2-52	Biochar Soil Amendment for Environmental and Agronomic	AF0419	Reza Najmi	Iran	university of guilan	Poster	Characterization of biochar for agricultural use in north of Iran
June 10(Tue)	15:30~16:20	P2-53	Biochar Soil Amendment for Environmental and Agronomic	AF0483	Sarah Hale	Norway	Norwegian Geotechnical Institute	Poster	The adsorption and desorption of phosphate-P, ammonium-N and nitrate-N in cacao shell and corn cob biochars in the presence and
June 10(Tue)	15:30~16:20	P2-54	Biochar Soil Amendment for Environmental and Agronomic	AF0489	Lu S.g.	China	Zhejiang University	Poster	Ameliorating physical and chemical properties of two contrasting texture Ultisols with wastewater sludge biochar
June 10(Tue)	15:30~16:20	P2-55	Biochar Soil Amendment for Environmental and Agronomic	AF0588	Liqiang Cui	China	Yancheng Institute of Technology	Poster	Reduction of rice and wheat Cd uptake via biochar amendment in contaminated paddy soil
June 10(Tue)	15:30~16:20	P2-56	Biochar Soil Amendment for Environmental and Agronomic	AF0594	Marc Breulmann	Germany	Helmholtz-Centre for Environmental Research -	Poster	Effects of pyrolysis and HTC chars produced from sewage sludge in the plant-soil system: results from a 3 year field experiment
June 10(Tue)	15:30~16:20	P2-57	Biochar Soil Amendment for Environmental and Agronomic	AF0596	Christoph Fuhner	Germany	Helmholtz-Centre for Environmental Research ?	Poster	The sewchar concept: an innovative tool for sustainable reuse of human waste and sewage sludge in soils
June 10(Tue)	15:30~16:20	P2-58	Biochar Soil Amendment for Environmental and Agronomic	AF0627	Miaomiao He	China	Hangzhou Normal University	Poster	Short-term response of bacterial populations in compost-amended soil to additions of biochar
June 10(Tue)	15:30~16:20	P2-59	Biochar Soil Amendment for Environmental and Agronomic	AF0632	Indika Herath	Sri Lanka	Institute of Fundamental Studies	Poster	Role of biochar on metal ion release kinetics and phytotoxicity reduction in serpentine soils in Sri Lanka

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June 10(Tue)	15:30~16:20	P2-60	Biochar Soil Amendment for Environmental and Agronomic	AF0676	Jude Odhiambo	South Africa	University of Venda	Poster	Effect of Biochar on Nitrogen Mineralization of a Green Manure Legume Residue
June 10(Tue)	15:30~16:20	P2-61	Biochar Soil Amendment for Environmental and Agronomic	AF0682	Yan Yue	China	China Agricultural University	Poster	Salt leaching in the saline soil added with different rates of biochar
June 10(Tue)	15:30~16:20	P2-62	Biochar Soil Amendment for Environmental and Agronomic	AF0716	Sarah Jane Hill	Australia	The University of Newcastle	Poster	Understanding the Soil Physics of Biochar Amendments: a glasshouse experiment
June 10(Tue)	15:30~16:20	P2-63	Biochar Soil Amendment for Environmental and Agronomic	AF0717	Sarah Jane Hill	Australia	The University of Newcastle	Poster	Vegetation Response to Biochar Amendments: a glasshouse experiment
June 10(Tue)	15:30~16:20	P2-64	Biochar Soil Amendment for Environmental and Agronomic	AF0744	Zhengxia Dou	USA	University of Pennsylvania	Poster	Biochar impact on methane generation and nitrogen dynamics in ruminal fermentation
June 10(Tue)	15:30~16:20	P2-65	Biochar Soil Amendment for Environmental and Agronomic	AF0775	Mary Ogundiran	Nigeria	Department of Chemistry, University of Ibadan, Nigeria	Poster	Effects of biochar and compost-modified biochar on immobilisation of Pb in lead smelting slag-contaminated soil, yield and Pb
June 10(Tue)	15:30~16:20	P2-66	Biochar Soil Amendment for Environmental and Agronomic	AF0782	S M Imamul Huq	Bangladesh	University of Dhaka	Poster	Biochar Application to soil and its effect on soil health
June 10(Tue)	15:30~16:20	P2-67	Biochar Soil Amendment for Environmental and Agronomic	AF0793	Chengyuan (stephen) Xu	Australia	Griffith University and the University of the Sunshine	Poster	Effect of peanut shell biochar soil amendment on the performance of peanut on two types of soil in southeast Queensland
June 10(Tue)	15:30~16:20	P2-68	Biochar Soil Amendment for Environmental and Agronomic	AF0797	Lianqing Li	China	Nanjing Agricultural Unviersity	Poster	Effect of combined use of biochar and fertilizer on maize yield and greenhouse gas emission in calcareous soil: 2 consecutive maize
June 10(Tue)	15:30~16:20	P2-69	Biochar Soil Amendment for Environmental and Agronomic	AF0845	Alberto Gonzalez Moreno	Spain	INIA. Ctra. de la Coruna Km 7.2; 28040 Madrid	Poster	Ecotypes of Brachypodium distachyon, improving topsoil hydraulic conductivity
June 10(Tue)	15:30~16:20	P2-70	Biochar Soil Amendment for Environmental and Agronomic	AF0892	Omar Baki Siti Norayu	Malaysia	University Putra Malaysia	Poster	Effect of EFB biochar on total phenolics and secondary metabolites of L.pumila Benth
June 10(Tue)	15:30~16:20	P2-71	Biochar Soil Amendment for Environmental and Agronomic	AF0893	Naser Khan	Australia	University of South Australia	Poster	Sorption of nutrients by three biochars during co-composting with biowastes
June 10(Tue)	15:30~16:20	P2-72	Biochar Soil Amendment for Environmental and Agronomic	AF0937	Robert Gilkes	Australia	university of western australia	Poster	Plant Nutrient Compounds in Biochar Produced from Tropical Plant Waste by Slow Pyrolysis
June 10(Tue)	15:30~16:20	P2-73	Biochar Soil Amendment for Environmental and Agronomic	AF0960	Gerardo Ojeda	Portugal	IMAR - Instituto do Mar - Universidade de Coimbra	Poster	Modification of biophysical soil properties by biochar amendments
June 10(Tue)	15:30~16:20	P2-74	Biochar Soil Amendment for Environmental and Agronomic	AF0970	Eunice Agyarko-Mintah	Australia	University of New England	Poster	Reducing ammonia emissions from poultry litter during Composting through the use of biochar
June 10(Tue)	15:30~16:20	P2-75	Biochar Soil Amendment for Environmental and Agronomic	AF0971	Peter Pepo	Hungary	University of Debrecen	Poster	STUDY OF THE AL-SOLUBLE NPK CONTENT OF CHERNOZEM SOIL IN A LONG-TERM FERTILIZATION EXPERIMENT
June 10(Tue)	15:30~16:20	P2-76	Biochar Soil Amendment for Environmental and Agronomic	AF0981	Nana Ewusi-Mensah	Ghana	Kwame Nkruamah University of Science and Technology	Poster	Short term effects of biochar in enhancing the biological nitrogen fixation potential of soybean in the Semi-deciduous forest zone of
June 10(Tue)	15:30~16:20	P2-77	Biochar Soil Amendment for Environmental and Agronomic	AF1004	Abdalla Mohamedin	Egypt	Soils, Water and Environment Res. Instit., ARC	Poster	USE EFFICIENCY OF SOME SOIL AMENDMENTS AND UNCONVENTIONAL IRRIGATION WATER ON IMPROVING
June 10(Tue)	15:30~16:20	P2-78	Biochar Soil Amendment for Environmental and Agronomic	AF1011	Karamat Sistani	USA	USDA	Poster	Biochar as Soil Amendment to Improve Soil Quality, Crop Yield, and Carbon Sequestration
June 10(Tue)	15:30~16:20	P2-79	Biochar Soil Amendment for Environmental and Agronomic	AF1034	Afeng Zhang	China	Northwest Agriculture and Forest University	Poster	Quantifying biochar amendment impacts on global warming potential for Cd/Pb contaminated paddy soil ecosystem: a case study
June 10(Tue)	15:30~16:20	P2-80	Biochar Soil Amendment for Environmental and Agronomic	AF1059	Jinyang Wang	China	Nanjing Agricultural University	Poster	Biochar amendment effects on nitrous oxide and net greenhouse gas balance from an acidic vegetable field in southeast China
June 10(Tue)	15:30~16:20	P2-81	Biochar Soil Amendment for Environmental and Agronomic	AF1077	Ataallah Khademalrasoul	Denmark	University	Poster	Biochar application as a non-structural BMP on erosion potential using a rainfall simulator
June 10(Tue)	15:30~16:20	P2-82	Biochar Soil Amendment for Environmental and Agronomic	AF1114	Asfaw Bekele	Canada	Imperial Oil Resources	Poster	Reconstructed topsoil using biochar: soil quality after ten years of cultivation
June 10(Tue)	15:30~16:20	P2-83	Biochar Soil Amendment for Environmental and Agronomic	AF1155	Jun Shan	China	Institute of soil science, Chinese academy of sciences	Poster	Effects of biochar and the geophagous earthworm Metaphire guillelmi on fate of 14C-catechol in an agricultural soil

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June 10(Tue)	15:30~16:20	P2-84	Biochar Soil Amendment for Environmental and Agronomic	AF1169	Roberto Calvelo Pereira	New Zealand	Massey University	Poster	ADDED VALUE OF USING HIGH-ASH BIOCHAR FROM BIOSOLIDS TO AMEND LOW FERTILITY PASTURE SOILS OF NEW ZEALAND
June 10(Tue)	15:30~16:20	P2-85	Biochar Soil Amendment for Environmental and Agronomic	AF1201	Chen Liu	China	Institute of Mountain Hazards and Environment,	Poster	Effects of Biochar Amendment on Adsorption-Desorption Behavior of Chlorpyrifos Metabolite TCP in Loamy Soils under Saturated and
June 10(Tue)	15:30~16:20	P2-86	Biochar Soil Amendment for Environmental and Agronomic	AF1237	Tonu Tonutare	Estonia	Estonian University of Life Sciences	Poster	Biochar as regulator of soil pH buffer capacity
June 10(Tue)	15:30~16:20	P2-87	Biochar Soil Amendment for Environmental and Agronomic	AF1274	Jim Wang	USA	Louisiana State University	Poster	Fundamental properties of sugarcane and rice residue biochars and their agronomic and environmental functions
June 10(Tue)	15:30~16:20	P2-88	Biochar Soil Amendment for Environmental and Agronomic	AF1286	Louis Mcdonald	USA	West Virginia University	Poster	Poultry Litter Biochar to Promote Reclamation of Surface Mine Soils
June 10(Tue)	15:30~16:20	P2-89	Biochar Soil Amendment for Environmental and Agronomic	AF1289	Xinqiang Liang	China	Zhejiang University	Poster	Impact of swine-manure derived biochar amendment on soil phosphorus species and phosphatase activities: a quantitative 31P
June 10(Tue)	15:30~16:20	P2-90	Biochar Soil Amendment for Environmental and Agronomic	AF1332	Luc Gerard Onana Onana	Cameroon	Institute of Agricultural Research for Development	Poster	Influence of charring biomass on soil microorganisms under cacao agroforest in South Cameroon.
June 10(Tue)	15:30~16:20	P2-91	Biochar Soil Amendment for Environmental and Agronomic	AF1338	Fang-Ju Lin	Taiwan	Department of Agronomy, National Chiayi University	Poster	Assessment of P availability in biochar-amended soils and the relation to soil P fractionation
June 10(Tue)	15:30~16:20	P2-92	Biochar Soil Amendment for Environmental and Agronomic	AF1350	Qinhua Shen	New Zealand	New Zealand Biochar Research Centre	Poster	Can Biochar be Used to Increase the Bioavailability of Phosphorus Immobilized in Andisols?
June 10(Tue)	15:30~16:20	P2-93	Biochar Soil Amendment for Environmental and Agronomic	AF1362	Shahla Hosseini Bai	Australia	Griffith University	Poster	Does soil <sup>15</sup> N natural abundance with biochar application provide insights into nitrogen transformation?
June 10(Tue)	15:30~16:20	P2-94	Biochar Soil Amendment for Environmental and Agronomic	AF1380	Shunsuke Kinoshita	Japan	Soka University	Poster	Nitrogen Dynamics in a Japanese Tropical Soil Amended with Sugarcane-bagasse Biochars
June 10(Tue)	15:30~16:20	P2-95	Biochar Soil Amendment for Environmental and Agronomic	AF1383	Yanfeng Shu	Australia	CSIRO	Poster	An Knowledge-based system for plant diseases management
June 10(Tue)	15:30~16:20	P2-96	Biochar Soil Amendment for Environmental and Agronomic	AF1406	Saqib Saleem Akhtar	Denmark	University of Copenhagen, Denmark	Poster	Biochar mitigates negative effect of salinity on growth, physiology and yield of wheat
June 10(Tue)	15:30~16:20	P2-97	Biochar Soil Amendment for Environmental and Agronomic	AF1440	Kimmo Rasa	Finland	MTT Agrifood Research Finland	Poster	Pyrolysis of swine manure - Plant availability of the phosphorus
June 10(Tue)	15:30~16:20	P2-98	Biochar Soil Amendment for Environmental and Agronomic	AF1445	Shinjiro Sato	Japan	Soka University	Poster	Phosphorus Bioavailability of Sewage Sludge Biochar Applied to Temperate and Tropical Soils in Japan
June 10(Tue)	15:30~16:20	P2-99	Biochar Soil Amendment for Environmental and Agronomic	AF1513	Jin Tak	Canada	Alberta Innovates - Technology Futures (AITF)	Poster	Pyrolysis Performance and Emission Profiles for Biochar Product Commercialization
June 10(Tue)	15:30~16:20	P2-100	Biochar Soil Amendment for Environmental and Agronomic	AF1524	Sellamuthu K M	India	Tamil Nadu Agricultural University	Poster	Characterization of biochar and its effect on crops and soil properties
June 10(Tue)	15:30~16:20	P2-101	Biochar Soil Amendment for Environmental and Agronomic	AF1554	Sebastian Meier	Chile	Universidad de La Frontera	Poster	Chicken manure-derived biochar reduces the bioavailability of copper contaminated soils
June 10(Tue)	15:30~16:20	P2-102	Biochar Soil Amendment for Environmental and Agronomic	AF1555	Joyce Clemente	Canada	Natural Resources Canada	Poster	Biochar characterization: Evaluating their potential as sources of stable C and inorganic nutrients
June 10(Tue)	15:30~16:20	P2-103	Biochar Soil Amendment for Environmental and Agronomic	AF1559	Eduardo Couto	Brazil	UFMT	Poster	Closing the carbon loop in sugarcane cultivation: filtercake biochar as a value-added soil amendment
June 10(Tue)	15:30~16:20	P2-104	Biochar Soil Amendment for Environmental and Agronomic	AF1631	Junhui Li	China	South China Agricultral University	Poster	Combined remediation of pesticide contaminated soil via the application of manure biochar
June 10(Tue)	15:30~16:20	P2-105	Biochar Soil Amendment for Environmental and Agronomic	AF1636	Ayodele Ajayi	Nigeria	Federal University of Technology, Akure, Ondo	Poster	Biochar induced changes in soil stability parameters
June 10(Tue)	15:30~16:20	P2-106	Biochar Soil Amendment for Environmental and Agronomic	AF1645	Peter Quin	Australia	University of New England	Poster	Biochar changes soil structure and water-holding capacity - a study with x-ray micro-CT
June 10(Tue)	15:30~16:20	P2-107	Biochar Soil Amendment for Environmental and Agronomic	AF1652	Qian Li	China	Institute of Resource, Ecosystem & Environment of	Poster	Biochar compound fertilizer as an option to reach high productivity but low carbon intensity in rice agriculture: A Field Experiment in a

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June 10(Tue)	15:30~16:20	P2-108	Biochar Soil Amendment for Environmental and Agronomic	AF1657	Guo Long	China	wuhan university	Poster	Predictive mapping of soil organic carbon density using local spatial interpolator models in plain areas
June 10(Tue)	15:30~16:20	P2-109	Biochar Soil Amendment for Environmental and Agronomic	AF1675	Zhe Weng	Australia	University of New England/ New South Wales Primary	Poster	Assessing biochar stability and native soil carbon stabilisation in pasture
June 10(Tue)	15:30~16:20	P2-110	Biochar Soil Amendment for Environmental and Agronomic	AF1759	Chih-Hsin Cheng	Taiwan	National Taiwan University	Poster	Changes in Nitrogen and Phosphorus chemical structure and nutrients release from raw biomass to its converted biochar
June 10(Tue)	15:30~16:20	P2-111	Biochar Soil Amendment for Environmental and Agronomic	AF1772	Phuong Nguyen	Viet Nam	Can Tho University	Poster	The effect of urban biochar on phosphorus fractions in an acid soil
June 10(Tue)	15:30~16:20	P2-112	Biochar Soil Amendment for Environmental and Agronomic	AF1773	Andrei Rozanov	South Africa	Stellenbosch University	Poster	Biochar degradation in vitro and in situ
June 10(Tue)	15:30~16:20	P2-113	Biochar Soil Amendment for Environmental and Agronomic	AF1776	Oihane Fernandez-Ugalde	Spain	University of the Basque Country	Poster	Biochar stabilization by organo-mineral associations in a forest soil under Pinus radiata in the Spanish Atlantic area
June 10(Tue)	15:30~16:20	P2-114	Biochar Soil Amendment for Environmental and Agronomic	AF1777	Pardip Shehrawat	India	CCS Haryana Agricultural University, Hisar, India	Poster	Sequestration of Greenhouse Gases (GHGs) for Sustainable Agriculture
June 10(Tue)	15:30~16:20	P2-115	Biochar Soil Amendment for Environmental and Agronomic	AF1795	Priscilla Tremain	Australia	University of Newcastle	Poster	Creation of char from fossil carbon analogous to biochar
June 10(Tue)	15:30~16:20	P2-116	Biochar Soil Amendment for Environmental and Agronomic	AF1798	Ibrahim Halil Yanardag	Spain	Technical University of Cartagena	Poster	Evaluation of Carbon and Nitrogen dynamics in different soil types amended with Pig Slurry, Pig Manure and its Biochar by Chemical
June 10(Tue)	15:30~16:20	P2-117	Biochar Soil Amendment for Environmental and Agronomic	AF1803	Ayodele Ajayi	Nigeria	Federal University of Technology, Akure, Ondo	Poster	Contrasting effect of biochar and clay amendment of coarse textured soil
June 10(Tue)	15:30~16:20	P2-118	Biochar Soil Amendment for Environmental and Agronomic	AF1808	Ibrahim Halil Yanardag	Spain	Technical University of Cartagena	Poster	Microbial biomass and enzyme activities dynamics in Different Soil types amended with Pig Slurry, Pig Manure, and Its Biochar
June 10(Tue)	15:30~16:20	P2-119	Biochar Soil Amendment for Environmental and Agronomic	AF1812	Anita Maienza	Italy	National Research Council	Poster	Response of soil microbial communities to long-term biochar application
June 10(Tue)	15:30~16:20	P2-120	Biochar Soil Amendment for Environmental and Agronomic	AF1823	Ashok Patra	India	Indian Agricultural Research Institute	Poster	Pyrolysis Temperature Affects Alkalinity and Inorganic Minerals Formation in Biochar Prepared from Different Crop Residues
June 10(Tue)	15:30~16:20	P2-121	Biochar Soil Amendment for Environmental and Agronomic	AF1831	Krishnakumar Srinivasagam	India	VANAVARAYAR INSTITUTE OF AGRICULTURE, POLLACHI,	Poster	BIOCHAR CHARACTERIZATION AND EVALUATION FOR THEIR APPLICATION AS A SOIL AMENDMENTS
June 10(Tue)	15:30~16:20	P2-122	Biochar Soil Amendment for Environmental and Agronomic	AF1845	Sanchita Mandal	Australia	University of South Australia	Poster	Biochar application reduces ammonia volatilization from soil
June 10(Tue)	15:30~16:20	P2-123	Biochar Soil Amendment for Environmental and Agronomic	AF1862	Biar Deng	Finland	University of Helsinki,Finland	Poster	Effects of biochar in Sorghum and Acacia seyal agroforestry systems in South Sudan: results from a two-year field experiment
June 10(Tue)	15:30~16:20	P2-124	Biochar Soil Amendment for Environmental and Agronomic	AF1863	Srinivasamurthy C.a	India	UAS, GKVK, Banglore, Karnataka state	Poster	STUDIES ON THE EFFECT OF HUMAN URINE ENRICHED BIOCHAR ON SOIL PROPERTIES, GROWTH AND YIELD OF FRENCH BEAN
June 10(Tue)	15:30~16:20	P2-125	Biochar Soil Amendment for Environmental and Agronomic	AF1866	Nimisha Tripathi	India	Central Institute of Mining and Fuel Research	Poster	Chitosan soil amendment for zinc removal from soil: An environment-friendly approach
June 10(Tue)	15:30~16:20	P2-126	Biochar Soil Amendment for Environmental and Agronomic	AF1878	Roger Swift	Australia	University of Queensland	Poster	Characterizations of Biochars and their influence on plant growth when added to soil
June 10(Tue)	15:30~16:20	P2-127	Biochar Soil Amendment for Environmental and Agronomic	AF1894	Lajos Doka	Hungary	University of Debrecen	Poster	Study of dynamics of changes in the moisture content of chernozem soil in maize(Zea mays L.)
June 10(Tue)	15:30~16:20	P2-128	Biochar Soil Amendment for Environmental and Agronomic	AF1895	Guitong Li	China	China Agricultural University	Poster	Biochar Effects on Crop Yields in a Calcareous Soil
June 10(Tue)	15:30~16:20	P2-129	Biochar Soil Amendment for Environmental and Agronomic	AF1922	Elke Schulz	Germany	Helmholtz Centre for Environmental Research -	Poster	Stability of pyrolysis and HTC chars from sewage sludge: a respiration study on effects of pre-washings on microbial char
June 10(Tue)	15:30~16:20	P2-130	Biochar Soil Amendment for Environmental and Agronomic	AF1965	Baiq Emilda Yusiharni	Indonesia	The University of Mataram	Poster	Forms Of Nutrient Elements in Ash of tropical Plant Wastes
June 10(Tue)	15:30~16:20	P2-131	Biochar Soil Amendment for Environmental and Agronomic	AF1982	Tanawan Limwikran	Thailand	Kasetsart University	Poster	The effects of biochars made from agricultural organic residues on soil pH and EC

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June 10(Tue)	15:30~16:20	P2-132	Biochar Soil Amendment for Environmental and Agronomic	AF1993	Lea Piscitelli	Italy	University of Bari	Poster	Carbon stability and nutrient efficiency of biochar from olive mill by-products
June 10(Tue)	15:30~16:20	P2-133	Biochar Soil Amendment for Environmental and Agronomic	AF2035	Franz Zehetner	Austria	University of Natural Resources and Life Sciences	Poster	Leaching of nutrients and trace elements from temperate agricultural soils amended with different biochars in a micro-lysimeter
June 10(Tue)	15:30~16:20	P2-134	Biochar Soil Amendment for Environmental and Agronomic	AF2061	Hailong Wang	China	Zhejiang A & F University	Poster	Effect of biochars on adsorption and desorption of diethyl phthalate in soils
June 10(Tue)	15:30~16:20	P2-135	Biochar Soil Amendment for Environmental and Agronomic	AF2122	Tom E. Schumacher	USA	South Dakota State University	Poster	Biochar Impacts on Denitrification under Different Soil Water Contents
June 10(Tue)	15:30~16:20	P2-136	Biochar Soil Amendment for Environmental and Agronomic	AF2170	Andras Szabo	Hungary	University of Debrecen	Poster	Affect of the nutrient supply on the yield and the pathological parameters of the sunflower hybrids.
June 10(Tue)	15:30~16:20	P2-137	Biochar Soil Amendment for Environmental and Agronomic	AF2184	Emmanuel Dugan	Ghana	Council for Scientific and Industrial Research-Soil	Poster	Effect of Biochar and Maize Stover Mulch on the Physical Properties of a Sandy Loam Soil and Maize Yield
June 10(Tue)	15:30~16:20	P2-138	Biochar Soil Amendment for Environmental and Agronomic	AF2227	Bhupinderpal Singh	Australia	NSW Department of Primary Industries	Poster	In situ fate, stability and downward migration of biochar and its impact on native carbon emissions or stabilisation in Australian
June 10(Tue)	15:30~16:20	P2-139	Biochar Soil Amendment for Environmental and Agronomic	AF2243	Sen Dou	China	Jilin Agricultural University	Poster	The impact of different extraction methods on black carbon in soil
June 10(Tue)	15:30~16:20	P2-140	Biochar Soil Amendment for Environmental and Agronomic	AF2247	Alexandra Keith	Australia	University of Sydney	Poster	Biochar, Fertiliser & Pasture: A Field Trial
June 10(Tue)	15:30~16:20	P2-141	Biochar Soil Amendment for Environmental and Agronomic	AF2250	Sen Dou	China	Jilin Agricultural University	Poster	BIOCHAR APPLICATION EFFECTS ON HUMUS CARBON COMPOSITION
June 10(Tue)	15:30~16:20	P2-142	Biochar Soil Amendment for Environmental and Agronomic	AF2291	Hong Phuong Nguyen	Viet Nam	Vietnam National University, Hanoi	Poster	Study on the effects of temperature and residence time in slow pyrolysis on physico-chemical properties of biochar derived from
June 10(Tue)	15:30~16:20	P2-143	Biochar Soil Amendment for Environmental and Agronomic	AF2295	Zubin Xie	China	institute of soil science, chinese academy of sciences	Poster	Biochar can mitigate farmland global warming potential and remediate POPs polluted soil
June 10(Tue)	15:30~16:20	P2-144	Biochar Soil Amendment for Environmental and Agronomic	AF2364	Lynette Abbott	Australia	The University of Western Australia	Poster	Potential for interactions between biochar and mycorrhizal fungi in water-deficient soil
June 10(Tue)	15:30~16:20	P2-145	Biochar Soil Amendment for Environmental and Agronomic	AF2413	Han Xiaori	China	Shenyang Agricultural University	Poster	Effects of long-term fertilization on the acidify in brown soil
June 10(Tue)	15:30~16:20	P2-146	Biochar Soil Amendment for Environmental and Agronomic	AF2442	Lynette Abbott	Australia	The University of Western Australia	Poster	Biochars influence nitrogen leaching and availability to wheat plants
June 10(Tue)	15:30~16:20	P2-147	Biochar Soil Amendment for Environmental and Agronomic	AF2463	Sheng Mao Yang	China	Zhejiang Academy of Agricultural Sciences;	Poster	Effect of Biochar on soil temperature in different layers and rice yield from cold waterlogged paddy
June 10(Tue)	15:30~16:20	P2-148	Biochar Soil Amendment for Environmental and Agronomic	AF2465	Bhawana Bhatta Kaudal	Australia	Melbourne University	Poster	The effect of urban biochar on the chemical and physical properties of potting media
June 10(Tue)	15:30~16:20	P2-149	Biochar Soil Amendment for Environmental and Agronomic	AF2523	Renaldo Belfon	Trinidad&Tobago	University of the West Indies, St. Augustine	Poster	Improving productivity and sequestering carbon using organic amendments in contrasting soils
June 10(Tue)	15:30~16:20	P2-150	Biochar Soil Amendment for Environmental and Agronomic	AF2527	Girish Choppala	Australia	Southern Cross University	Poster	Fortification of biochar with iron to enhance phosphate adsorption
June 10(Tue)	15:30~16:20	P2-151	Biochar Soil Amendment for Environmental and Agronomic	AF2545	Charles Hyland	New Zealand	The University of Auckland	Poster	Biochar overland flow filtration systems: a carbon filter between agricultural and aquatic systems
June 10(Tue)	15:30~16:20	P2-152	Biochar Soil Amendment for Environmental and Agronomic	AF2563	Darya Kupryianchyk	Norway	NGI	Poster	Sorption of hydrophobic organic compounds to biochars: Mechanistic considerations
June 10(Tue)	15:30~16:20	P2-153	Biochar Soil Amendment for Environmental and Agronomic	AF2594	Udayagee Kumarasinghe	Sri Lanka	Institute of Fundamental Studies	Poster	Reduction of bioavailability and phytotoxicity of Pb(II) and Cu(II) in shooting range soils, using bioamendments
June 10(Tue)	15:30~16:20	P2-154	Biochar Soil Amendment for Environmental and Agronomic	AF2598	Helena Soinne	Finland	University of Helsinki / MTT Agrifood Research Finland	Poster	Aggregate stability and phosphorus sorption in biochar amended soils
June 10(Tue)	15:30~16:20	P2-155	Biochar Soil Amendment for Environmental and Agronomic	AF2600	Han Yanlai	China	China Soil society	Poster	Effects of biochar application on soil nutrients and corn production of sandy soil

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June 10(Tue)	15:30~16:20	P2-156	Biochar Soil Amendment for Environmental and Agronomic	AF2623	Muhammad Siddique Lashari	China	NJAU, P.R, China	Poster	Effect of biochar amendment on major soil properties, crop yield under saline cropland from Central China Great Plain
June 10(Tue)	15:30~16:20	P2-157	Biochar Soil Amendment for Environmental and Agronomic	AF2654	Joseph Martin	USA	Purdue University	Poster	Thermogravimetric and Spectroscopic characterization of biochar carbon
June 10(Tue)	15:30~16:20	P2-158	Biochar Soil Amendment for Environmental and Agronomic	AF2701	Jianlin Shen	China	Institute of Subtropical Agriculture, Chinese	Poster	Effects of biochar amendment on CO2 and CH4 emissions from two paddy soils in subtropical China
June 10(Tue)	15:30~16:20	P2-159	Biochar Soil Amendment for Environmental and Agronomic	AF2756	Jorge Paz-Ferreiro	Spain	Universidad Politecnica de Madrid	Poster	Biochar impacts on soil biological and biochemical properties
June 10(Tue)	15:30~16:20	P2-160	Biochar Soil Amendment for Environmental and Agronomic	AF2781	Mariya Dainy	India	KERALA AGRICULTURAL UNIVERSITY	Poster	Soil fertility status, nutrient uptake and yield of cowpea by tender coconut husk biochar application in ferralitic soils
June 10(Tue)	15:30~16:20	P2-161	Biochar Soil Amendment for Environmental and Agronomic	AF2785	Yang-Hsin Shih	Taiwan	National Taiwan University	Poster	Competitive sorption of bisphenol A and phenol in soils and the contribution of black carbon
June 10(Tue)	15:30~16:20	P2-162	Biochar Soil Amendment for Environmental and Agronomic	AF2791	Yang-Hsin Shih	Taiwan	National Taiwan University	Poster	Using carbonized agricultural waste to reduce the uptake of some chlorinated contaminants into crops
June 10(Tue)	15:30~16:20	P2-163	Biochar Soil Amendment for Environmental and Agronomic	AF2827	Gani Mavlyanov	Uzbekistan	National University of Uzbekistan named after	Poster	The role of organo-mineral fertilizers to improve the sorption properties of soils.
June 10(Tue)	15:30~16:20	P2-164	Biochar Soil Amendment for Environmental and Agronomic	AF2852	Jayathunga Arachchige Surani	Sri Lanka	Postgraduate Institute of Agriculture, University of	Poster	Beneficial Soil Management Practices for Yield of Maize (Zea mize) Grown in Reddish Brown Earth and Reddish Brown Latasolic Soils in
June 10(Tue)	15:30~16:20	P2-165	Biochar Soil Amendment for Environmental and Agronomic	AF2905	Gustavo Curaqueo	Chile	Universidad de La Frontera	Poster	Biochar and arbuscular mycorrhizal fungi: An alternative to contributing to agroecosystem sustainability
June 10(Tue)	15:30~16:20	P2-166	Biochar Soil Amendment for Environmental and Agronomic	AF2970	Rao Mylavarapu	USA	University of Florida	Poster	Phosphorus sorption behavior in manure impacted soil amended with biochar
June 10(Tue)	15:30~16:20	P2-167	Biochar Soil Amendment for Environmental and Agronomic	AF2974	Christian Pulver	USA	Cornell University	Poster	Preferential rooting in biochars
June 10(Tue)	15:30~16:20	P2-168	Biochar Soil Amendment for Environmental and Agronomic	AF2988	Frederic Rees	France	Universite de Lorraine / INRA	Poster	Root development of non-accumulating and hyperaccumulating plants in metal contaminated soils amended with biochar
June 10(Tue)	15:30~16:20	P2-169	Biochar Soil Amendment for Environmental and Agronomic	AF3065	Dinesh Panday	USA	Lincoln University, MO, USA	Poster	Environmental Benefits of Biochar to Improve Soil Quality and Carbon Sequestration in Soybean Production
June 10(Tue)	15:30~16:20	P2-170	Biochar Soil Amendment for Environmental and Agronomic	AF3066	Jie-Lian Beh	Australia	Monash University	Poster	The effect of biochar by-products from biofuel production processes on wheat growth in Western Australia
June 10(Tue)	15:30~16:20	P2-171	Biochar Soil Amendment for Environmental and Agronomic	AF3072	Chin-Hua Ma	Taiwan	AVRDC-The World Vegetable Center	Poster	Development of rice husk biochar briquette and its effect on N retention in soil
June 10(Tue)	15:30~16:20	P2-172	Biochar Soil Amendment for Environmental and Agronomic	AF3223	Rosenani Abu Bakar	Malaysia	Universiti Putra Malaysia	Poster	Oil Palm Empty Fruit Bunch Biochar Soil Amendment in Amaranthus viridis Cultivation to Improve Crop Performance and Soil Properties.
June 10(Tue)	15:30~16:20	P2-173	Biochar Soil Amendment for Environmental and Agronomic	AF3251	Weixin Ding	China	Institute of Soil Science, Chinese Academy of	Poster	Maize-straw-derived biochar effectively suppressed the decomposition of native organic carbon in an intensively cultivated
June 10(Tue)	15:30~16:20	P2-174	Biochar Soil Amendment for Environmental and Agronomic	AF3280	Ajit Sarmah	New Zealand	The University of Auckland	Poster	Sorption behavior of 2,4-D herbicide and sulfamethoxazole antibiotic in biochar-amended soils: A spectroscopic investigation
June 10(Tue)	15:30~16:20	P2-175	Biochar Soil Amendment for Environmental and Agronomic	AK0281	Min-Suk Kim	Korea	Korea University	Poster	The effectiveness of spent coffee grounds and those of biochar on the amelioration of heavy metals-contaminated soil
June 10(Tue)	15:30~16:20	P2-176	Biochar Soil Amendment for Environmental and Agronomic	AK0386	Yong Sik Ok	Korea	Kangwon National University	Poster	Biochar as a Sorbent for Contaminant Management in Soil and Water: A Review
June 10(Tue)	15:30~16:20	P2-177	Biochar Soil Amendment for Environmental and Agronomic	AK1200	Jae Woo Chung	Korea	Gyeongnam National University of Science and	Poster	Comparative sorption of Cd, Cu and Pb by peat moss and peat moss derived biochar
June 10(Tue)	15:30~16:20	P2-178	Biochar Soil Amendment for Environmental and Agronomic	AK1314	Yong-Seong Kim	Korea	Korea University	Poster	Assessment of potential risk of biochar from different biomass sources with seed germination test
June 10(Tue)	15:30~16:20	P2-179	Biochar Soil Amendment for Environmental and Agronomic	AK1583	Taeyong Shim	Korea	Division of Environmental Science & Ecological	Poster	Biochars from a Giant Miscanthus for Removing Heavy Metals

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June 10(Tue)	15:30~16:20	P2-180	Biochar Soil Amendment for Environmental and Agronomic	AK2446	Yong Sik Ok	Korea	Kangwon National University	Poster	Role of biochar and nano materials as amendments for immobilizing metals in shooting range soil
June 10(Tue)	15:30~16:20	P2-181	Biochar Soil Amendment for Environmental and Agronomic	AK2693	Deok Hyun Moon	Korea	Department of Environmental Engineering,	Poster	Amelioration of acid soil using biochar
June 10(Tue)	15:30~16:20	P2-182	Biochar Soil Amendment for Environmental and Agronomic	AK3101	Yong Sik Ok	Korea	Kangwon National University	Poster	Removal of hexavalent chromium in aqueous solutions using different biochars
June 10(Tue)	15:30~16:20	P2-183	Biochar Soil Amendment for Environmental and Agronomic	AK3102	Yong Sik Ok	Korea	Kangwon National University	Poster	Effect of corn residue biochar on hydraulic properties of sandy loam soil
June 10(Tue)	15:30~16:20	P2-184	Biochar Soil Amendment for Environmental and Agronomic	AK3103	Yong Sik Ok	Korea	Kangwon National University	Poster	Combined effects of carbon nanotube and biochar on phytotoxicity of heavy metals in shooting range soils
June 10(Tue)	15:30~16:20	P2-185	Biochar Soil Amendment for Environmental and Agronomic	AK3115	Yong Sik Ok	Korea	Kangwon National University	Poster	Effects of biochar and polyacrylamide on decomposition of organic matter and 14C-labeled alfalfa residue in soil
June 10(Tue)	15:30~16:20	P2-186	Biochar Soil Amendment for Environmental and Agronomic	AK3144	Hyuck-Soo Kim	Korea	University of Seoul	Poster	Effect of biochar on the physico-chemical properties of horticultural growing media and plant response
June 10(Tue)	15:30~16:20	P2-187	Biochar Soil Amendment for Environmental and Agronomic	AK3183	Jong Hwan Park	Korea	GyeongSang National University	Poster	Effect of ZnCl <sub>2</sub> -activation in Tobacco Waste Biochar on Adsorption Capacity of Phosphorus
June 10(Tue)	15:30~16:20	P2-188	Biochar Soil Amendment for Environmental and Agronomic	AK3194	Hyuck-Soo Kim	Korea	University of Seoul	Poster	Effect of biochar amendment on the chemical and physical properties of reclaimed tidal land soil and maize ( <i>Zea mays</i> L.)
June 10(Tue)	15:30~16:20	P2-189	Biochar Soil Amendment for Environmental and Agronomic	AK3199	Jong Hwan Park	Korea	GyeongSang National University	Poster	Mono- and Multi-nutrient Adsorption of Nitrate-N, Ammonium-N and Phosphate-P in Activated Sesame Biochar
June 10(Tue)	15:30~16:20	P2-190	Biochar Soil Amendment for Environmental and Agronomic	AK3204	Ju-Sik Cho	Korea	Department of bio-environmental sciences,	Poster	Effect of Sesame Stalk Biochar on Growth and Nutrient Contributions of Green Manure Crops of Gramineae and Leguminous Species in
June 10(Tue)	15:30~16:20	P2-191	Biochar Soil Amendment for Environmental and Agronomic	AK3205	Ju-Sik Cho	Korea	Department of bio-environmental sciences,	Poster	Effect of Bamboo Biochar on Mitigation of Greenhouse Gases in Lettuce Cultivation
June 10(Tue)	15:30~16:20	P2-192	Biochar Soil Amendment for Environmental and Agronomic	AK3206	Ju-Sik Cho	Korea	Department of bio-environmental sciences,	Poster	Effect of Soybean Stover Biochar on Growth of Chinese Cabbage under Different Pyrolysis Temperatures
June 10(Tue)	15:30~16:20	P2-193	Biochar Soil Amendment for Environmental and Agronomic	AK3207	Ju-Sik Cho	Korea	Department of bio-environmental sciences,	Poster	Adsorption Characteristics of Heavy Metals by Pepper Stalk Biochar
June 10(Tue)	15:30~16:20	P2-194	Biochar Soil Amendment for Environmental and Agronomic	AK3212	Junghwan Yoon	Korea	University of Seoul	Poster	Effect of wood waste biochar from roadside trees on adsorption of NH <sub>4</sub> -N and Cd
June 10(Tue)	15:30~16:20	P2-195	Biochar Soil Amendment for Environmental and Agronomic	AK3257	Anitha Kunhikrishnan	Korea	National Academy of Agricultural Science, RDA	Poster	Effect of Biochars, Red Soil and Vermicompost on the Availability of Arsenic to <i>Raphanus sativus</i>
June 10(Tue)	15:30~16:20	P2-196	Biochar Soil Amendment for Environmental and Agronomic	AF3346	Hao Chen	China	China Agricultural University	Poster	Biochar Effects on Crop Yields in a Calcareous Soil
June 10(Tue)	15:30~16:20	P2-197	Biochar Soil Amendment for Environmental and Agronomic	AF3347	Hao Chen	China	China Agricultural University	Poster	The Effect of Biochar on Water Vapor Movement in Soil During Winter Period Revealed with Stable Isotope Technology
June 10(Tue)	15:30~16:20	P2-198	Biochar Soil Amendment for Environmental and Agronomic	AF3348	Hao Chen	China	China Agricultural University	Poster	The Difference and Characteristics of Salt Leaching in the Saline Soil Added With Different Rates of Biochar
June 10(Tue)	15:30~16:20	P2-199	Biochar Soil Amendment for Environmental and Agronomic	AF3350	Gabriel Nkomo	Zimbabwe	Africa University	Poster	Short -Term Effects Of Seed Dressing With Azorhizobium Caulinodans On Establishment, Development And Yield Of Early
June 10(Tue)	15:30~16:20	P2-200	Soil Microbial Ecology under Stress and Global Climate Change	AF0083	Afshin Mozafari	Iran	Islamic Azad University (IAU), branch of Ilam , Iran	Poster	Evaluation the effects of plant growth promoting rhizobacteria (PGPR) on SOD, MDA and Proline content in two wheat cultivar
June 10(Tue)	15:30~16:20	P2-201	Soil Microbial Ecology under Stress and Global Climate Change	AF0471	Jayvee Cruz	Philippines	Philippine Rice Research Institute	Poster	Promotion of Upland Rice Growth by Actinomycetes under Growth Room Condition
June 10(Tue)	15:30~16:20	P2-202	Soil Microbial Ecology under Stress and Global Climate Change	AF0527	Sumitra Dewan	Austria	University of Natural Resources and Life Sciences,	Poster	Hyphal production and organic matter decomposition in response to summer drought and warming in three temperate ecosystems
June 10(Tue)	15:30~16:20	P2-203	Soil Microbial Ecology under Stress and Global Climate Change	AF0561	Arvan Solatan Rescho	Indonesia	Padjadjaran University	Poster	Isolation and Identification Rhizosphere and Phyllosphere Microfungi of <i>Keben</i> ( <i>Barringtonia asiatica</i> Kurz.) in Pancur Costal Forest Alas

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June 10(Tue)	15:30~16:20	P2-204	Soil Microbial Ecology under Stress and Global Climate Change	AF0585	Satoshi Togashi	Japan	Graduate School of Horticulture, Chiba University	Poster	Effect of Artemisia seed-gum in combination with cyanobacteria on the arid soil
June 10(Tue)	15:30~16:20	P2-205	Soil Microbial Ecology under Stress and Global Climate Change	AF0614	Yangping Li	China	Xishuangbanna Tropical Botanical Garden, Chinese	Poster	Soil microbes decrease allelopathic effects of invasive plants over time by degrading allelochemicals
June 10(Tue)	15:30~16:20	P2-206	Soil Microbial Ecology under Stress and Global Climate Change	AF0891	Otoïdobia Cecile Harmonie	Burkina Faso	Centre de Recherche en Sciences Biologique,	Poster	Iron-Reducing and Sulphate-Reducing bacterial populations' dynamics and activities in rice paddy soil under subsurface drainage.
June 10(Tue)	15:30~16:20	P2-207	Soil Microbial Ecology under Stress and Global Climate Change	AF0980	Mary Beth Adams	USA	USDA Forest Service	Poster	Microbial community diversity of Forest Soils in Northeastern and North Central USA
June 10(Tue)	15:30~16:20	P2-208	Soil Microbial Ecology under Stress and Global Climate Change	AF1053	Rahim Mohammadzadeh	Iran	Shahid Chamran University of Ahvaz	Poster	Bioaccumulation and Biosorption of Heavy Metals from Aqueous Solutions by Isolated bacteria from Contaminated Soils
June 10(Tue)	15:30~16:20	P2-209	Soil Microbial Ecology under Stress and Global Climate Change	AF1378	Muhammad Yahya Khan	Pakistan	University of Agriculture Faisalabad	Poster	Differential response of single-, co- and multi-strain inoculation of PGPR for improving growth, physiology and nutrient balance of
June 10(Tue)	15:30~16:20	P2-210	Soil Microbial Ecology under Stress and Global Climate Change	AF1491	Zahir Shah	Pakistan	The University of Agriculture, Peshawar	Poster	Microbial dynamics in salt affected soils
June 10(Tue)	15:30~16:20	P2-211	Soil Microbial Ecology under Stress and Global Climate Change	AF1632	Vadakattu Gupta	Australia	CSIRO	Poster	Functional resilience and soil biota dynamics in rain-fed agroecosystems
June 10(Tue)	15:30~16:20	P2-212	Soil Microbial Ecology under Stress and Global Climate Change	AF1713	Kazuki Suzuki	Japan	Graduate School of Science & Technology, Niigata	Poster	Arbuscular mycorrhizal fungal diversity associated with tea plant ( <i>Camelia sinensis</i> ) roots under inorganic and organic fertilization in
June 10(Tue)	15:30~16:20	P2-213	Soil Microbial Ecology under Stress and Global Climate Change	AF1775	Huang Yi-Mei	China	Northwest A&F University	Poster	Changes of soil microbial community structure during soil mineralization under two kinds of shrubland in mountainous area of
June 10(Tue)	15:30~16:20	P2-214	Soil Microbial Ecology under Stress and Global Climate Change	AF2067	Yong Li	China	Zhejiang University	Poster	Identification of carbon flow derived from callus mediated byT4-type bacteriophages in microbial loop in rice soil
June 10(Tue)	15:30~16:20	P2-215	Soil Microbial Ecology under Stress and Global Climate Change	AF2119	Adem Gunes	Turkey	Erciyes University	Poster	The effects of freeze-and-thaw cycles on Ammonium and Nitrate availability in highland soils in Turkey
June 10(Tue)	15:30~16:20	P2-216	Soil Microbial Ecology under Stress and Global Climate Change	AF2201	Nkiruka Odoh	Nigeria	University of ibadan	Poster	Significance of Arbuscular mycorrhizal fungi inoculation on tuber yield of <i>Dioscorea alata</i> under moisture stress condition.
June 10(Tue)	15:30~16:20	P2-217	Soil Microbial Ecology under Stress and Global Climate Change	AF2373	Ahmad Ali Pourbabae	Iran	University of Tehran	Poster	Effect of Halophilic Bacteria-Producing Exopolysaccharide on Some Growth Parameters of Wheat in Saline soils
June 10(Tue)	15:30~16:20	P2-218	Soil Microbial Ecology under Stress and Global Climate Change	AF2380	Xiaoliang Li	China	College of Resources and Environmental Sciences,China	Poster	Glomalin in alpine soil along an Tibetan altitudinal gradient is highly correlated with hyphae growth but not community composition of
June 10(Tue)	15:30~16:20	P2-219	Soil Microbial Ecology under Stress and Global Climate Change	AF2416	Babak Motesharezade	Iran	University of Tehran	Poster	Assessing enzyme activities changes of superoxide dismutase and catalase in canola under salinity stress
June 10(Tue)	15:30~16:20	P2-220	Soil Microbial Ecology under Stress and Global Climate Change	AF2514	Kajar Koster	Estonia	Estonian University of Life sciences	Poster	Recovery of soil microbial biomass and enzyme activities across the chronosequence of forest fires in northern boreal forests in Finland.
June 10(Tue)	15:30~16:20	P2-221	Soil Microbial Ecology under Stress and Global Climate Change	AF2606	Muhammad Adrees	Pakistan	Government College University, Faisalabad-	Poster	Heathland response to nitrogen deposition: effects of form and frequency
June 10(Tue)	15:30~16:20	P2-222	Soil Microbial Ecology under Stress and Global Climate Change	AF2687	Muhammad Adrees	Pakistan	Government College University, Faisalabad-	Poster	Nitrogen deposition: a modifier of plant response to ozone?
June 10(Tue)	15:30~16:20	P2-223	Soil Microbial Ecology under Stress and Global Climate Change	AF2768	Jorge Paz-Ferreiro	Spain	Universidad Politecnica de Madrid	Poster	Biochar addition to soil alters its resilience to drought
June 10(Tue)	15:30~16:20	P2-224	Soil Microbial Ecology under Stress and Global Climate Change	AF2780	Izabella Pisarek	Poland	Opole University	Poster	The impact of <i>Pleurotus ostreatus</i> on transformation processes of organic matter and metal ions from enriched organic and mineral
June 10(Tue)	15:30~16:20	P2-225	Soil Microbial Ecology under Stress and Global Climate Change	AF2859	Purushothaman Chirakkuzhyil	India	Institute of Environment & Sustainable Development,	Poster	Modifying Rhizospheric System for Soil Carbon Sequestration
June 10(Tue)	15:30~16:20	P2-226	Soil Microbial Ecology under Stress and Global Climate Change	AF2991	Sanjay Arora	India	Central Soil Salinity Research Institute, Regional Research	Poster	Ecology of halophilic microbes associated with dominant halophytes and salt tolerant plants from coastal saline ecosystem
June 10(Tue)	15:30~16:20	P2-227	Soil Microbial Ecology under Stress and Global Climate Change	AF3105	Ibrahim Elakhdar	Egypt	Soils, Water and Environment Research Institute (SWERI),	Poster	Potential use of microbial inoculums in ameliorating soil salinity impact on the productivity of faba bean ( <i>Vicia faba</i> )

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Date	Time	Code-N	Session	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 10(Tue)	15:30~16:20	P2-228	Soil Microbial Ecology under Stress and Global Climate Change	AF3334	Qi Li	China	Institute of Applied Ecology, Chinese Academy of	Poster	Effects of Elevated Ozone on Soil Microbial Community Composition and Metabolic Diversity Depending on the Ozone-Tolerance of
June 10(Tue)	15:30~16:20	P2-229	Soil Microbial Ecology under Stress and Global Climate Change	AK0194	Jae-Ho Joa	Korea	National Institute of Horticultural & Herbal	Poster	Molecular Analysis on Fungal Community Structures and Diversity in Different Fertilization Management Practices in Volcanic Ash Citrus
June 10(Tue)	15:30~16:20	P2-230	Soil Microbial Ecology under Stress and Global Climate Change	AK0973	Seok-Cheol Kim	Korea	National Academy of Agricultural Science, Rural	Poster	Comparison of spatial interpolation methods for estimation of air temperature
June 10(Tue)	15:30~16:20	P2-231	Soil Microbial Ecology under Stress and Global Climate Change	AK3163	Gopal Selvakumar	Korea	Chungbuk National University	Poster	Isolation and characterization of arbuscular mycorrhizal fungi spore associated bacteria from Saemangeum reclaimed soil
June 10(Tue)	15:30~16:20	P2-232	Soil Microbial Ecology under Stress and Global Climate Change	AK3165	Jongchan Park	Korea	chungbuk national university Cheongju	Poster	Assessment of heavy metals incorporated into soil microbial biomass with a direction chloroform extraction method
June 10(Tue)	15:30~16:20	P2-233	Soil Microbial Ecology under Stress and Global Climate Change	AK3166	Parthiban Subramanian	Korea	Chungbuk National University	Poster	Psychrophilic characteristics and plant growth promotion effect of Pseudomonas vancouverensis OB155 in tomato (Solanum
June 10(Tue)	15:30~16:20	P2-234	Soil Microbial Ecology under Stress and Global Climate Change	AK3168	Denver Walitang	Korea	Chungbuk National University	Poster	Structural and functional changes in soil microbial community in response to heavy metal contamination as assessed by culture-
June 10(Tue)	15:30~16:20	P2-235	Soil Microbial Ecology under Stress and Global Climate Change	AK3169	Ki Yoon Kim	Korea	Chungbuk National University	Poster	Effect of ACC deaminase producing PGPR strains inoculation on the growth and nutrient accumulation of maize and sorghum-sudangrass
June 10(Tue)	15:30~16:20	P2-236	Soil Microbial Ecology under Stress and Global Climate Change	AK3172	Murugesan Chandrasekaran	Korea	Chungbuk National University	Poster	Arbuscular mycorrhizal fungi inoculation modulates plant responses to soil salinity with respect to biomass, nutrient uptake, and proline
June 10(Tue)	15:30~16:20	P2-237	Soil Microbial Ecology under Stress and Global Climate Change	AK3173	Mak Chanratana	Korea	Chungbuk National University	Poster	Effect of ACC deaminase producing Methylobacterium spp. on seedling development and ethylene emission under greenhouse
June 10(Tue)	15:30~16:20	P2-238	Soil Microbial Ecology under Stress and Global Climate Change	AK3175	Subbiah Sundaram	Korea	Chungbuk National University	Poster	A new report on plant growth promotion and antagonistic potential of pigmented facultative methylotrophic bacteria (Delftia sp and
June 10(Tue)	15:30~16:20	P2-239	Soil Microbial Ecology under Stress and Global Climate Change	AK3187	Youngwook Lee	Korea	chungbuk national university	Poster	Effect of varying levels of salinity on EPS production and biofilm formation by halotolerant bacteria
June 10(Tue)	15:30~16:20	P2-240	Soil Microbial Ecology under Stress and Global Climate Change	AK3188	Chae Min Kwak	Korea	Chungbuk National University	Poster	Exopolysaccharide production, intracellular carbon accumulation and stress tolerance of methylobacterium strains under high carbon
June 10(Tue)	All day	Art Poster	The Role of Environment on Soil formation: Morphological Indicators-		Jay Noller				
June 10(Tue)	15:30~16:20	P2-241	The Role of Environment on Soil formation: Morphological Indicators	AF0256	Marjan Ansari	Iran	Science and research branch-Islamic Azad univesity-	Poster	Soil morphology as an indicator for assessment of drainage system efficiency in Sugarcane cultivated lands, South Khuzestan, Iran.
June 10(Tue)	15:30~16:20	P2-242	The Role of Environment on Soil formation: Morphological Indicators	AF0635	Md. Jashim Uddin	Bangladesh	Dhaka University	Poster	Inventory of Pedoturbation in Some Heavy Clay Soils of Bangladesh
June 10(Tue)	15:30~16:20	P2-243	The Role of Environment on Soil formation: Morphological Indicators	AF0768	Pornthiwa Kanyawongha	Thailand	King Mongkut's Institute of Technology Ladkrabang	Poster	Hillslope Soils of Khao Yai Area, Nakhorn Ratchasima Province, Northeast Thailand
June 10(Tue)	15:30~16:20	P2-244	The Role of Environment on Soil formation: Morphological Indicators	AF0963	Ana Cerminaro	Brazil	Universidade de Sao Paulo-USP	Poster	'STRUCTURAL ANALYSIS OF SOIL COVER ON THE WATERSHED OF RIBEIRAO FEJAO-SP, BRAZIL'
June 10(Tue)	15:30~16:20	P2-245	The Role of Environment on Soil formation: Morphological Indicators	AF1418	Julia Golovleva	Russia	Lomonosov Moscow State University	Poster	Micromorphological diagnostics of pedogenetic processes in loamy Cambisols in middle taiga zone of Western Siberia
June 10(Tue)	15:30~16:20	P2-246	The Role of Environment on Soil formation: Morphological Indicators	AF1886	Udeme Akpan	Nigeria	University of Uyo, Akwa Ibom State, Nigeria	Poster	DIGITAL SOIL MAPPING AND CLASSIFICATION FOR SUSTAINABLE CROP CULTIVATION IN NORTHEAST, AKWA IBOM STATE, NIGERIA
June 10(Tue)	15:30~16:20	P2-247	The Role of Environment on Soil formation: Morphological Indicators	AF2022	Alexey Sorokin	Russia	Lomonosov Moscow State University ECFS	Poster	Morphological properties of soil compaction in a steppe zone
June 10(Tue)	15:30~16:20	P2-248	The Role of Environment on Soil formation: Morphological Indicators	AF2627	Daniel Gimenez	USA	Rutgers University	Poster	An Index of Soil Structure Derived from Water Retention Data and Particle Size Distribution
June 10(Tue)	15:30~16:20	P2-249	The Role of Environment on Soil formation: Morphological Indicators	AF3003	Bogusława Przewozna	Poland	Institute of Geography and Spatial Organization PAS	Poster	Transformations of the primary soil cover in different types of land use
June 10(Tue)	15:30~16:20	P2-250	The Role of Environment on Soil formation: Morphological Indicators	AK1210	Byung Keun Hyun	Korea	NAAS	Poster	Modification of soil map in accordance with rapid regional changes in land use

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Date	Time	Code-N	Session	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 10(Tue)	All day	Art Poster	Pedodiversity and Ecological Services-Bridging Soil Geography and Land		Elvira Wersche				
June 10(Tue)	15:30~16:20	P2-251	Pedodiversity and Ecological Services-Bridging Soil Geography and Land	AF0288	Kissou Roger	Burkina Faso	SSSBF	Poster	Indegenous knowledge of soil classification and strategies of land use
June 10(Tue)	15:30~16:20	P2-252	Pedodiversity and Ecological Services-Bridging Soil Geography and Land	AF0443	Gong Xu	China	Shandong University of Technology	Poster	Analysis of Dike Natural Subsidence Caused by Mining Under River
June 10(Tue)	15:30~16:20	P2-253	Pedodiversity and Ecological Services-Bridging Soil Geography and Land	AF0904	Shaikh Tanveer Hossain	Bangladesh	Friends In Village Development Bangladesh	Poster	Sedimentation hazards and sustainable land management: a case study of the Lobar haor, Bangladesh
June 10(Tue)	15:30~16:20	P2-254	Pedodiversity and Ecological Services-Bridging Soil Geography and Land	AF1536	Jessica Henkner	Germany	Tuebingen University, Working Group Physical	Poster	Colluvial deposits as proxies for the kind and intensity of human activities in Southwest Germany
June 10(Tue)	15:30~16:20	P2-255	Pedodiversity and Ecological Services-Bridging Soil Geography and Land	AF1543	Joerg Voelkel	Germany	Technische Universitaet Muenchen TUM	Poster	Retracing signals of historical soil erosion in peatbog archives as an indicator for landscape resilience in the context of future landuse
June 10(Tue)	15:30~16:20	P2-256	Pedodiversity and Ecological Services-Bridging Soil Geography and Land	AF1592	Alexandra Ivanova	Russia	Institute of biological problems of cryolithozone SB	Poster	PECULIARITIES OF TUNDRA SOIL IN THE NORTHEASTERN YAKUTIA
June 10(Tue)	15:30~16:20	P2-257	Pedodiversity and Ecological Services-Bridging Soil Geography and Land	AF1984	Natalia Sorokina	Russia	V.V.Dokuchaev Soil Science Institute	Poster	Post-agrogenic self-restoration of soddy podzolic soils: results and methods N.P. Sorokina, D.N. Kozlov, I.B. Kuznetsova
June 10(Tue)	15:30~16:20	P2-258	Pedodiversity and Ecological Services-Bridging Soil Geography and Land	AF2706	Ivan Vasenev	Russia	Russian Timiryazev State Agricultural University	Poster	Soil cover patterns influence on ecosystem services and land-use efficiency in case of Central Russia native and agro ecosystems
June 10(Tue)	15:30~16:20	P2-259	Weathering and Soil formation in Response to Environmental Changes	AF0434	Evgeny Pogozhev	Russia	GEOFORUM	Poster	Minerals of coarse fraction and their distribution in the podzol profile (Komi republic, RF)
June 10(Tue)	15:30~16:20	P2-260	Weathering and Soil formation in Response to Environmental Changes	AF0541	Abolfazl Azadi	Iran	College of agriculture	Poster	Genesis, mineralogy and classification of Highly calcareous soil of southern Iran
June 10(Tue)	15:30~16:20	P2-261	Weathering and Soil formation in Response to Environmental Changes	AF0572	Mohammadhassan Salehi	Iran	Shahrekord University	Poster	The Effect of Topography on Soils Properties and their Classification in the Chelgerd Region, Iran
June 10(Tue)	15:30~16:20	P2-262	Weathering and Soil formation in Response to Environmental Changes	AF0826	Dian Fiantis	Indonesia	Andalas University	Poster	Early Alteration of Pristine Tephra Grain Induced by Microorganism
June 10(Tue)	15:30~16:20	P2-263	Weathering and Soil formation in Response to Environmental Changes	AF1083	Valeriy Tshovrebov	Russia	Stavropol State Agrarian University	Poster	Global changes of the soil-forming process in the North Caucasus chernozems in the argocenosis conditions
June 10(Tue)	15:30~16:20	P2-264	Weathering and Soil formation in Response to Environmental Changes	AF1268	Tsehaye Mezgebe	Ethiopia	Aksum University	Poster	EFFECTS OF LAND USE/COVER CHANGES ON SOIL PROPERTIES IN A DRYLAND WATERSHED OF HIRMI AND ITS ADJACENT AGRO
June 10(Tue)	15:30~16:20	P2-265	Weathering and Soil formation in Response to Environmental Changes	AF1396	Jin-Ling Yang	China	Institute of Soil Science, Chinese Academy of	Poster	Translocation of silicon and its isotopic characteristics in granite-derived soils in a typical subtropical ecosystem
June 10(Tue)	15:30~16:20	P2-266	Weathering and Soil formation in Response to Environmental Changes	AF1453	Sheila Furquim	Brazil	Universidade Federal de Sao Paulo - UNIFESP/ Campus	Poster	Genesis of soils by solodization around degraded saline lakes of Pantanal wetland, Brazil.
June 10(Tue)	15:30~16:20	P2-267	Weathering and Soil formation in Response to Environmental Changes	AF1552	Joerg Voelkel	Germany	Technische Universitaet Muenchen TUM	Poster	Slope deposits of different genesis and ages in the Colorado Front Range (Rocky Mts.) and their signi?cance for chemical weathering
June 10(Tue)	15:30~16:20	P2-268	Weathering and Soil formation in Response to Environmental Changes	AF1913	Chuxia Lin	United Kingdom	University of Salford	Poster	Does pedogenetic carbonation play insignificant role in atmospheric CO2 sequestration?
June 10(Tue)	15:30~16:20	P2-269	Weathering and Soil formation in Response to Environmental Changes	AF2043	Farhad Khormali	Iran	Gorgan University of Agricultural Sciences and	Poster	Soil formation along a Catena in south-eastern Caspian Sea lowland
June 10(Tue)	15:30~16:20	P2-270	Weathering and Soil formation in Response to Environmental Changes	AF2059	Farhad Khormali	Iran	Gorgan University of Agricultural Sciences and	Poster	Effect of slope aspect on soil formation on a loess hillslope in Golestan province, Iran
June 10(Tue)	15:30~16:20	P2-271	Weathering and Soil formation in Response to Environmental Changes	AF2065	Ahmad Heidari	Iran	University of Tehran	Poster	Arsenic sources in soils of Bijar region, Kurdistan Province, Iran
June 10(Tue)	15:30~16:20	P2-272	Weathering and Soil formation in Response to Environmental Changes	AF2072	Farhad Khormali	Iran	Gorgan University of Agricultural Sciences and	Poster	Soil genesis on different slope positions in a loess hillslope in Golestan province, Iran
June 10(Tue)	15:30~16:20	P2-273	Weathering and Soil formation in Response to Environmental Changes	AF2166	Felipe Aburto	USA	University of California, Davis	Poster	Soil mineral transformations, weathering rates and U/Th mobility in moraine deposits in an sub-alpine environment in California, USA.

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June 10(Tue)	15:30~16:20	P2-274	Weathering and Soil formation in Response to Environmental Changes	AF2276	Boumaraf Belkacem	Algeria	university of biskra	Poster	SPATIAL PEDOGENIC PROCESS DISTRIBUTION IN THE SOILS OF OUED RIGH VALLEY (NORTH EAST SAHARA) AN MORPHOSCOPIC
June 10(Tue)	15:30~16:20	P2-275	Weathering and Soil formation in Response to Environmental Changes	AF2483	Liu-Mei Chen	China	Institute of Soil Science, Chinese Academy of	Poster	Rates and controlling factors of magnetic depletion and enhancement processes during the 1000-year evolution of paddy
June 10(Tue)	15:30~16:20	P2-276	Weathering and Soil formation in Response to Environmental Changes	AF2636	Xue-Feng Hu	China	Shanghai University	Poster	Soil profile of Yellow-brown Earth overlying Red Clay in southern Anhui Province: A pedogenic response to the Last Glacial-Interglacial
June 10(Tue)	15:30~16:20	P2-277	Weathering and Soil formation in Response to Environmental Changes	AF2668	Carlos Schaefer	Brazil	Federal University of Vicosa	Poster	Carbon dating of Latosols (Oxisols) and implications to soil (bio)genesis in Cerrado (savanna) areas in Brazil
June 10(Tue)	15:30~16:20	P2-278	Weathering and Soil formation in Response to Environmental Changes	AF2766	Sabine Schaefer	Germany	Friedrich Schiller University Jena	Poster	Effect of mineral dissolution on hydraulic and transport properties of floodplain soils
June 10(Tue)	15:30~16:20	P2-279	Weathering and Soil formation in Response to Environmental Changes	AF2815	Karl Stahr	Germany	University of Hohenheim	Poster	Testing a new method for sequential Si-extraction on soils of a temperate-humid climate
June 10(Tue)	15:30~16:20	P2-280	Weathering and Soil formation in Response to Environmental Changes	AF2862	Sikiru Muda	Nigeria	Obafemi Awolowo University, Ile-Ife, Nigeria	Poster	Characteristics and genesis of two profiles developed from Amphibolite complex rocks in Southwestern Nigeria.
June 10(Tue)	15:30~16:20	P2-281	Weathering and Soil formation in Response to Environmental Changes	AK3107	Yongseon Zhang	Korea	NAAS	Poster	Changes in soil mineral composition by surface-piled saprolite
June 10(Tue)	All day	Art Poster	Quantification and Application of Uncertainty in Pedometrics-art		Ekkeland Götz				
June 10(Tue)	15:30~16:20	P2-282	Quantification and Application of Uncertainty in Pedometrics	AF0150	Abdur Rab	Australia	Victorian Government Department of Environment	Poster	Sampling design and the predictive accuracy of pedotransfer functions
June 10(Tue)	15:30~16:20	P2-283	Quantification and Application of Uncertainty in Pedometrics	AF1819	Thomas Orton	Australia	University of Sydney	Poster	Analysis of the spatial and depth-wise variation of soil properties based on horizon-sampled data
June 10(Tue)	15:30~16:20	P2-284	Quantification and Application of Uncertainty in Pedometrics	AF1969	Laura Poggio	United Kingdom	The James Hutton Institute	Poster	Spatial uncertainty in 3D modelling of soil properties
June 10(Tue)	15:30~16:20	P2-285	Quantification and Application of Uncertainty in Pedometrics	AF2113	Ricardo Simao Diniz Dalmolin	Brazil	UNIVERSIDADE FEDERAL DE SANTA MARIA	Poster	Prediction of soil organic carbon and texture in complex areas using Vis-NIR spectroscopy
June 10(Tue)	15:30~16:20	P2-286	Quantification and Application of Uncertainty in Pedometrics	AF2509	Qianlong Wang	China	Zhejiang University	Poster	Grey incidence analysis (GIA):A new local method for modeling Chinses soil vis-NIR spectral library to predict soil total nitrogen
June 10(Tue)	15:30~16:20	P2-287	Quantification and Application of Uncertainty in Pedometrics	AF2540	Istvan Sisak	Hungary	University of Pannonia Georgikon Faculty	Poster	Probability-based harmonization of digital maps to produce conceptual soil maps
June 10(Tue)	15:30~16:20	P2-288	Quantification and Application of Uncertainty in Pedometrics	AF2671	Jingchao Jiang	China	CAS	Poster	CyberSoLIM: An Easy and Fast Online Digital Soil Mapping Prototype System
June 10(Tue)	15:30~16:20	P2-289	Quantification and Application of Uncertainty in Pedometrics	AF2712	Lin Yang	China	Institute of Geographical Sciences and Resources	Poster	A multi-grade representative sampling strategy using auxiliary environmental variables for regional soil mapping: a case study in
June 10(Tue)	15:30~16:20	P2-290	Quantification and Application of Uncertainty in Pedometrics	AF3061	Jouliia Meshalkina	Russia	Moscow Lomonosov State University	Poster	Uncertainties Assessment of Semivariogram Parameters and Maps Comparison for Soil Properties with Different Nugget Effects
June 10(Tue)	All day	Art Poster	Paleopedology-art		Smudge Studio				
June 10(Tue)	15:30~16:20	P2-291	Paleopedology	AF0582	Sayantani Neogi	United Kingdom	University of Cambridge	Poster	Soil micromorphology from Bronze Age Indus Settlements and surroundings: Reconstruction of mid-Holocene environmental
June 10(Tue)	15:30~16:20	P2-292	Paleopedology	AF0584	Sean Taylor	United Kingdom	University of Cambridge	Poster	Climate change and human impacts on the soils of Koufonissi, Cycladic islands Greece
June 10(Tue)	15:30~16:20	P2-293	Paleopedology	AF0719	Podjane Sangmanee	Australia	Murdoch University	Poster	Deep Soil Carbon: Why Should We Care?
June 10(Tue)	15:30~16:20	P2-294	Paleopedology	AF0741	Alexandr Borisov	Russia	Institute of physicochemical and biological problems in	Poster	Buried Paleoanthrosols of the Bronze Age agricultural terraces in Kisovodsk Basin (Northern Caucasus, Russia)
June 10(Tue)	15:30~16:20	P2-295	Paleopedology	AF1551	Joerg Voelkel	Germany	Technische Universitaet Muenchen TUM	Poster	LATE QUATERNARY ENVIRONMENTAL CHANGES FROM AEOLIAN AND FLUVIAL GEOARCHIVES IN THE SOUTHWESTERN KALAHARI,

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Date	Time	Code-N	Session	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 10(Tue)	15:30~16:20	P2-296	Paleopedology	AF1917	Svetlana V. Khamnueva	Germany	Christian-Albrechts University of Kiel	Poster	Approach for categorization of highly heterogeneous cultural and colluvial sediments on detailed spatial scale: example of the early
June 10(Tue)	15:30~16:20	P2-297	Paleopedology	AF2157	Peter Kuhn	Germany	Eberhard Karls University Tübingen	Poster	Lateglacial to Holocene formation of loess-paleosol-colluvial deposit sequences in Central Europe: climate change and human impact
June 10(Tue)	15:30~16:20	P2-298	Paleopedology	AF2678	Matthias Leopold	Australia	University of Western Australia	Poster	Pedology around a 6700 year old Neolithic ring ditch system in Germany
June 10(Tue)	15:30~16:20	P2-299	Paleopedology	AF2830	Alexandra Golyeva	Russia	Institute of Geography RAS	Poster	Quantitative distribution of phytoliths as a reliable diagnostical criteria of ancient arable lands
June 10(Tue)	15:30~16:20	P2-300	Paleopedology	AF3272	Karen Vancampenhout	Belgium	University of Leuven	Poster	A multi-proxy approach for interpreting the effects of climate change on intensely welded loess-palaeosols
June 10(Tue)	15:30~16:20	P2-301	Biophysical Aspects of Soil Function - Exploring Soil Hidden Frontiers	AF0202	Hongzhi Shi	China	Henan Agricultural University	Poster	Distribution of soil textures in Chinese flue-cured tobacco growing regions and its relationship with tobacco quality and style
June 10(Tue)	15:30~16:20	P2-302	Biophysical Aspects of Soil Function - Exploring Soil Hidden Frontiers	AF0473	Sahar Akhavan	Iran	Gorgan University of Agricultural Sciences &	Poster	Compared to the optimum moisture content and mechanical strength of clay and sand under compaction.
June 10(Tue)	15:30~16:20	P2-303	Biophysical Aspects of Soil Function - Exploring Soil Hidden Frontiers	AF0951	Shigeyori Kosugi	Japan	Hokkaido University	Poster	Influence of Phosphate Sorption on Dispersion and Flocculation of Kaolinite
June 10(Tue)	15:30~16:20	P2-304	Biophysical Aspects of Soil Function - Exploring Soil Hidden Frontiers	AF1067	Akif Gerayzade	Azerbaijan	Institute of Soil Science and Agrochemistry, Baku,	Poster	ENERGETIC ASPECT AT AGRICULTURE PRODUCTION ON SEMIDESERT CONDITIONS OF AZERBAIJAN
June 10(Tue)	15:30~16:20	P2-305	Biophysical Aspects of Soil Function - Exploring Soil Hidden Frontiers	AF1195	Dung Viet Pham	Japan	Hokkaido University	Poster	Effect of phosphate sorption on Ferralsol soil dispersion: Evaluation with stability ratio and repulsive potential energy
June 10(Tue)	15:30~16:20	P2-306	Biophysical Aspects of Soil Function - Exploring Soil Hidden Frontiers	AF1901	Nicolas Bottinelli	China	State Key Laboratory of Soil and Sustainable Agriculture,	Poster	Dynamics of soil macropores during shrinkage investigated by X-ray microtomography
June 10(Tue)	15:30~16:20	P2-307	Biophysical Aspects of Soil Function - Exploring Soil Hidden Frontiers	AF2180	Holger Pagel	Germany	Institute of soil science and land evaluation, University of	Poster	The soil-litter interface as biogeochemical hot spot of coupled carbon turnover and MCPA degradation
June 10(Tue)	15:30~16:20	P2-308	Biophysical Aspects of Soil Function - Exploring Soil Hidden Frontiers	AF2787	Ali Asghar Zolfaghari	Iran	University of Semnan	Poster	A new analytical method for prediction of soil sorptivity and cumulative infiltration using particle size distribution data
June 10(Tue)	15:30~16:20	P2-309	Biophysical Aspects of Soil Function - Exploring Soil Hidden Frontiers	AF2838	Anshuman Kohli	India	Bihar Agricultural University	Poster	A protocol for selecting physically varying soils for basic studies from a limited dataset
June 10(Tue)	15:30~16:20	P2-310	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0148	Nanthi Bolan	Australia	University of South Australia	Poster	Stabilization and storage of carbon using organic amendments
June 10(Tue)	15:30~16:20	P2-311	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0176	Adriano Stephan Nascente	Brazil	Brazilian Agricultural Research Corporation	Poster	Physical fractions of soil organic matter as affected by cover crops and no-till system
June 10(Tue)	15:30~16:20	P2-312	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0245	Eleanor Hopley	Australia	The University of Newcastle	Poster	Charcoal distribution and stability in a sandy soil
June 10(Tue)	15:30~16:20	P2-313	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0334	Upendra Sainju	USA	USDA, Agricultural Research Service	Poster	Residue and Soil Carbon Sequestration in Relation to Crop Yield as Affected by Irrigation, Tillage, Cropping System and Nitrogen
June 10(Tue)	15:30~16:20	P2-314	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0457	Hiroto Ohba	Japan	Niigata Agricultural Research Institute	Poster	Effects of discontinuing long-term manure use on soil carbon and nitrogen sequestrations in a paddy field in Niigata, Japan
June 10(Tue)	15:30~16:20	P2-315	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0529	Kosuke Ikeya	Japan	Nagoya University	Poster	Characterization of the chemical composition of soil humic acids using Fourier transform ion cyclotron resonance mass spectrometry
June 10(Tue)	15:30~16:20	P2-316	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0618	Nicholas Holden	Ireland	University College Dublin	Poster	The effect of grazing intensity on soil C response to slurry and urea addition
June 10(Tue)	15:30~16:20	P2-317	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0619	Anthony Ano	Nigeria	National Root Crops Research Institute, UmuDike,	Poster	EFFECT OF FERTILIZER ELEMENTS (Ca, Mg, and K) on soil organic carbon mineralization
June 10(Tue)	15:30~16:20	P2-318	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0678	Xiangping Wang	China	institute of Soil Science, Chinese Academy of	Poster	Distribution and storage of SOC in coastal soil at different reclamation ages
June 10(Tue)	15:30~16:20	P2-319	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0683	Arezoo Taghizadeh-Toosi	Denmark	Aarhus University	Poster	C-TOOL: Simple Soil Organic Carbon Model

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June 10(Tue)	15:30~16:20	P2-320	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0694	Durodoluwa Oyedele	Nigeria	Obafemi Awolowo University, Ile-Ife, Nigeria	Poster	INFLUENCE OF AGRICULTURAL LAND ON ORGANIC CARBON DISTRIBUTION IN SOIL AGGREGATES FRACTIONS IN ILE-IFE,
June 10(Tue)	15:30~16:20	P2-321	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0747	Ganga Hettiarachchi	USA	Kansas State University	Poster	Architecture, Chemistry, and Mineralogy of Soil Aggregates and their Contribution to Soil Carbon Sequestration
June 10(Tue)	15:30~16:20	P2-322	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0787	Damien Field	Australia	The University of Sydney	Poster	The intrinsic energy of soil aggregates affected by soil organic matter.
June 10(Tue)	15:30~16:20	P2-323	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0795	Sheikh Mohammad Fazle Rabbi	Australia	University of New England	Poster	The impact of land uses and soil management practices on soil carbon in New South Wales, Australia
June 10(Tue)	15:30~16:20	P2-324	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0799	Xiaozeng Han	China	Northeast Institute of Geography and agroecology,	Poster	Change of organic carbon content in black soil under long-term application of chemical fertilizers and recycled organic manure
June 10(Tue)	15:30~16:20	P2-325	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0802	Bal Ram Singh	Norway	Norwegian University of Life Sciences (UMB)	Poster	Long-Term Effects of Tillage, Crop Rotation and Fertilizer on Soil Organic Matter Quality Assessed by NMR Spectroscopy
June 10(Tue)	15:30~16:20	P2-326	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0818	Damien Field	Australia	The University of Sydney	Poster	Quantification of aggregated carbon by using Mid and Near infrared spectroscopic techniques
June 10(Tue)	15:30~16:20	P2-327	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0833	Shah Moinur Rahman	Bangladesh	Faculty of Agriculture, Hajee Mohammad Danesh Science	Poster	Effect of water management during early growth stage on nitrogen dynamics of paddy field
June 10(Tue)	15:30~16:20	P2-328	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0870	Sen Dou	China	Jilin Agricultural University	Poster	Isotopic Characterization of Biomass Carbon Incorporation into Soil Aggregates
June 10(Tue)	15:30~16:20	P2-329	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0872	Nikoo Tabatabaei	Iran	Karaj Islamic Azad University	Poster	Geographical distribution of Organic carbon and its relation with soil physical, chemical properties and climate condition of Hamedan
June 10(Tue)	15:30~16:20	P2-330	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0942	Jaakko Heikkinen	Finland	MTT Agrifood Research Finland	Poster	Yasso07 and RothC in predicting the changes in soil carbon in abandoned arable land in Russia
June 10(Tue)	15:30~16:20	P2-331	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF0949	Michelle Castillo	Philippines	Philippine Rice Research Institute	Poster	Soil Chemical and Physical Properties with Rice Straw Management During Fallow Period
June 10(Tue)	15:30~16:20	P2-332	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1130	Jian Jin	China	Northeast Institute of Geography and Agroecology,	Poster	The fate of soybean photosynthetic carbon varies in Mollisols differing in organic carbon
June 10(Tue)	15:30~16:20	P2-333	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1174	Masayuki Kawahigashi	Japan	Tokyo Metropolitan University	Poster	Effect of heating on biodegradation of organic horizons developed on permafrost affected soils in the Siberian taiga forest
June 10(Tue)	15:30~16:20	P2-334	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1194	Yao Shuihong	China	Chinese Academy of Agricultural Sciences	Poster	Impact of land-use on soil organic carbon composition and quality of black soil in northeast China: characterization with solid-state <sup>13</sup> C
June 10(Tue)	15:30~16:20	P2-335	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1218	Normah Awang Besar	Malaysia	universiti Malaysia Sabah	Poster	Estimation of Carbon Stock in Acacia mangium stand in Sabah, Malaysia
June 10(Tue)	15:30~16:20	P2-336	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1254	Anja Miltner	Germany	UFZ - Helmholtz Centre for Environmental Research	Poster	Contribution of microbial biomass to the formation of soil organic matter
June 10(Tue)	15:30~16:20	P2-337	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1329	Sen Dou	China	Jilin Agricultural University	Poster	Effects of the different microbial communities on humus characteristics in a Black soil amended with wheat straw
June 10(Tue)	15:30~16:20	P2-338	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1340	Keshav Raj Adhikari	Nepal	Tribhuvan University	Poster	Variability in carbon dioxide emission from soil grown to wheat crop in Kathmandu, Nepal
June 10(Tue)	15:30~16:20	P2-339	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1384	Chun-Chih Tsui	Taiwan	National Taiwan University	Poster	Landscape Position Effect on Soil Organic Carbon of Three Evergreen Broad-Leaved Forests in Taiwan
June 10(Tue)	15:30~16:20	P2-340	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1412	Alexey Dymov	Russia	Institute of biology Komi SC UrB RAS	Poster	Composition and properties of density fractions of upper horizons at forest and tundra soils
June 10(Tue)	15:30~16:20	P2-341	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1417	Kashif Bashir	Pakistan	PMAS Arid Agriculture University rawalpindi	Poster	DYNAMICS OF POLYSACCHARIDES, MICROBIAL BIOMASS AND HUMIC SUBSTANCES IN DIFFERENT SOURCES OF ORGANIC MATTER
June 10(Tue)	15:30~16:20	P2-342	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1425	Nwanyieze Njoku	Nigeria	Root Crops Research Institute, Umudike, Nigeria	Poster	Nutrient dynamics and carbon sequestration in a tropical ultisol as affected by nitrogen sources
June 10(Tue)	15:30~16:20	P2-343	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1459	Rota Wagai	Japan	National Institute for Agro-Environmental Sciences	Poster	Distribution and chemistry of organo-mineral associations in an Andisol: air-drying and sonication effects

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June 10(Tue)	15:30~16:20	P2-344	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1493	Chinyere Okebalama	Ghana	Kwame Nkrumah University of Science and Technology,	Poster	Organic Carbon and Nitrogen Distribution in Water-stable Aggregates of Cultivated and Non-cultivated Soils of Southeastern
June 10(Tue)	15:30~16:20	P2-345	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1549	Giorgio Senesi	Italy	CNR	Poster	Carbon quantification in forest soils using low resolution Laser-Induced Breakdown Spectroscopy
June 10(Tue)	15:30~16:20	P2-346	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1550	Helena Soinne	Finland	University of Helsinki / MTT Agrifood Research Finland	Poster	Dissolved organic matter load from agricultural soils
June 10(Tue)	15:30~16:20	P2-347	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1627	Joseph Ogeh	Nigeria	University of Benin	Poster	Soil Organic Carbon content under different plantation crops of different ages in a tropical Oxic Paleustalf
June 10(Tue)	15:30~16:20	P2-348	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1629	Tshering Dorji	Bhutan	Faculty of Agriculture and Environment, The University	Poster	Variation of soil organic carbon density under different altitudinal zones and aspects in Eastern Himalayas
June 10(Tue)	15:30~16:20	P2-349	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1634	Tshering Dorji	Bhutan	Faculty of Agriculture and Environment, The University	Poster	Effect of land use/ land cover patterns on particulate and mineral-associated soil organic carbon fractions in Himalayan ecosystems
June 10(Tue)	15:30~16:20	P2-350	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1644	Zhongkui Luo	Australia	CSIRO Land and Water	Poster	Impacts of SOC Change on Net Greenhouse Balance in Australian Wheat Cropping Systems
June 10(Tue)	15:30~16:20	P2-351	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1649	Deli Chen	Australia	The University of Melbourne	Poster	The potential for carbon sequestration in Australian agricultural soils is technically and economically limited
June 10(Tue)	15:30~16:20	P2-352	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1678	Saranga Premetilake	Sri Lanka	Uva Wellassa University	Poster	Variation of the soil organic carbon sub pools in Eucalyptus grandis plantation forests of Sri Lanka along a chronosequence of age.
June 10(Tue)	15:30~16:20	P2-353	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1684	Matrena Okoneshnikova	Russia	Institute for Biological Problems of Cryolithozone	Poster	The content and reserves of carbon in frozen soils of boreal forests of Yakutia
June 10(Tue)	15:30~16:20	P2-354	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1687	Roger Swift	Australia	University of Queensland	Poster	Modern Approaches to the Isolation and Characterisation of Soil Humins
June 10(Tue)	15:30~16:20	P2-355	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1754	Dinesh Madhavan	Australia	The University of Melbourne	Poster	Analysis of soil organic carbon and its fractions in biodiverse environmental plantings using mid-infrared spectroscopy
June 10(Tue)	15:30~16:20	P2-356	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1783	Yao He	Germany	University of Bonn	Poster	Water budget and short-term carbon dynamics after introducing maize into a paddy rice crop rotation
June 10(Tue)	15:30~16:20	P2-357	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1827	Kai-Yue Chen	Taiwan	National Chung Hsing University	Poster	Interactions of Al(III)/Fe(III) with dissolved soil organic molecules in an acidic environment
June 10(Tue)	15:30~16:20	P2-358	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1828	Asuman Buyukkilic Yanardag	Spain	UPCT	Poster	STABLE CARBON ISOTOPE COMPOSITION OF SOIL AND PLANT UNDER PIG SLURRY APPLICATIONS IN SILTY LOAM SOIL, SE SPAIN.
June 10(Tue)	15:30~16:20	P2-359	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1829	Khoi Chau	Viet Nam	Cantho University	Poster	Assessment of the distribution of organic carbon in soil aggregates in Arenosols, Ferralsols and Gleysols soils under different cropping
June 10(Tue)	15:30~16:20	P2-360	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1855	Andras Bidlo	Hungary	University of West Hungary, Department of Soil Site	Poster	Carbon storage in the urban soils of three Hungarian cities
June 10(Tue)	15:30~16:20	P2-361	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF1890	Hana Karabcova	Czech Republic	Agrovyzkum Rapotin Ltd.	Poster	The effect of organic fertilizers on quality and quantity of soil organic carbon
June 10(Tue)	15:30~16:20	P2-362	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2191	Julien Guigue	France	Biogeosciences - University of Burgundy	Poster	Exploring relationships between environmental parameters, microbial communities and molecular composition of soluble organic matter in
June 10(Tue)	15:30~16:20	P2-363	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2197	Fran Walley	Canada	University of Saskatchewan	Poster	Characterizing Soil Organic Matter: What Can Synchrotron-Based Approaches Reveal?
June 10(Tue)	15:30~16:20	P2-364	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2212	Julien Guigue	France	Biogeosciences - University of Burgundy	Poster	A comparison of extraction procedures of water-extractable organic matter in soils
June 10(Tue)	15:30~16:20	P2-365	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2225	Zahir Rawajfih	Jordan	Jordan University of Science and Technology	Poster	Soil Organic Carbon Fractionation in Protected Natural Reserves under a Mediterranean Climate
June 10(Tue)	15:30~16:20	P2-366	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2267	Kanako Tomita	Australia	The University of Western Australia	Poster	Changes in soil carbon and root distribution with depth in a chronosequence of perennial pastures in south-western Australia
June 10(Tue)	15:30~16:20	P2-367	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2283	Sharon O'rouke	Australia	University of Sydney	Poster	Determination of soil carbon at the microaggregate scale using a combination of hyperspectral and X-ray fluorescence imaging

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June 10(Tue)	15:30~16:20	P2-368	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2316	Christine Walela	Australia	University of New England	Poster	Organic carbon content and quality among soil particle size fractions down the profiles under native woodland, native pastures and
June 10(Tue)	15:30~16:20	P2-369	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2369	Yuanike Kaber	Indonesia	The State University of Papua	Poster	The Distribution of Carbon Stock in Selected Mangrove Ecosystem of Wetlands Papua, Eastern Indonesia
June 10(Tue)	15:30~16:20	P2-370	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2382	Nirmala Liyanage	Australia	University of Sydney, Australia	Poster	Is the scale-dependent variation of soil carbon, nitrogen and moisture stationary over time?
June 10(Tue)	15:30~16:20	P2-371	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2383	Sen Dou	China	Jilin Agricultural University	Poster	Organic carbon storage of cultivated topsoil in Jilin province
June 10(Tue)	15:30~16:20	P2-372	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2420	Ping Wang	China	Nanjing Agricultural University	Poster	Soil organic carbon sequestration of a paddy soil chronosequence
June 10(Tue)	15:30~16:20	P2-373	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2460	Wenyuan Zhang	China	Jiangxi Agricultural University	Poster	Spatial Distribution Characteristics of Soil Organic Matters in Mountain Meadow Soil at Wugong mountain
June 10(Tue)	15:30~16:20	P2-374	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2468	Xiaorong Wei	China	Institute of Soil and Water Conservation	Poster	Precipitation and temperature determine soil organic carbon and nitrogen response to land-use change in a semiarid region
June 10(Tue)	15:30~16:20	P2-375	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2485	Xiaorong Wei	China	Institute of Soil and Water Conservation	Poster	Effects of land-use change on soil organic carbon and nitrogen in density fractions and soil $\delta^{13}C$ and $\delta^{15}N$ in semiarid grassland
June 10(Tue)	15:30~16:20	P2-376	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2518	Nimai Senapati	France	INRA	Poster	Modelling carbon, water and heat fluxes using a process-based model in temperate sown grasslands under mowing and grazing
June 10(Tue)	15:30~16:20	P2-377	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2519	Lynette Abbott	Australia	The University of Western Australia	Poster	Changes in soil organic carbon and total nitrogen stocks in a chronosequence of perennial pastures
June 10(Tue)	15:30~16:20	P2-378	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2520	Benjapon Kunlanit	Thailand	Land Resources and Environment Section	Poster	Vertical distribution of water-extractable organic carbon in a sandy soil as affected by biochemically contrasting organic residues applied
June 10(Tue)	15:30~16:20	P2-379	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2531	Mohd. Zuhilmy	Malaysia	Tropical Peat Research Laboratory	Poster	Effect of Oil Palm Trunk Chips Application on Greenhouse Gases Flux from Tropical Peat Soil: Incubation Experiment
June 10(Tue)	15:30~16:20	P2-380	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2569	Pavel Krasilnikov	Russia	Moscow State University	Poster	The discussion on 'black carbon' in soils: a plethora of hypothesis
June 10(Tue)	15:30~16:20	P2-381	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2572	Maria C. Hernandez-Soriano	Australia	The University of Queensland	Poster	Fingerprint of dissolved organic carbon and hydrolytic activity in soil solution as factors to implement biochemical activity in carbon
June 10(Tue)	15:30~16:20	P2-382	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2635	Michaela Dippold	Germany	Georg-August University Goettingen	Poster	Tracing C fluxes through the metabolic network of soil microbial communities by position-specific labeling
June 10(Tue)	15:30~16:20	P2-383	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2653	Andreas Schmalwasser	Germany	Friedrich-Schiller-University Jena	Poster	Role of climatic single events and pedohydraulic factors in the mobilization and the transport of mobile organic matter in an arable
June 10(Tue)	15:30~16:20	P2-384	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2665	Chia-Hsing Lee	Taiwan	National Taiwan University	Poster	A stepwise modeling of copper sorption onto kaolinite and montmorillonite in field pH range as affected by dissolved organic
June 10(Tue)	15:30~16:20	P2-385	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2685	Edward Gregorich	Canada	Agriculture Canada	Poster	Recovery of Decomposing Plant Residue in Soil: An Evaluation of Three Fractionation Methods Based on Size and Density
June 10(Tue)	15:30~16:20	P2-386	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2707	Rosazlin Abdullah	Malaysia	Universiti Putra Malaysia	Poster	CHANGES IN LIGHT FRACTIONS OF SOIL ORGANIC CARBON AFTER ONE YEAR APPLICATION OF RAW AND COMPOSTED RECYCLED
June 10(Tue)	15:30~16:20	P2-387	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2719	Edward Gregorich	Canada	Agriculture Canada	Poster	Soil disturbance effects on decomposition on plant residues in Canadian agricultural soils
June 10(Tue)	15:30~16:20	P2-388	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2751	Muhammad Ibrahim	Pakistan	Government College University Faisalabad	Poster	Carbon Sequestration Potential of Soils under Maize Production in Irrigated Agriculture of Punjab - Pakistan
June 10(Tue)	15:30~16:20	P2-389	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2840	Sanjay Arora	India	Central Soil Salinity Research Institute, Regional Research	Poster	Soil Organic and Microbial Biomass Carbon Dynamics in relation to soil microbial population under different Cropping systems in Salt
June 10(Tue)	15:30~16:20	P2-390	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2867	Jonathan Bradley	United Kingdom	Newcastle University	Poster	Exploring Phenolic Distributions From The TMAH Thermochemolysis Of Peatland Vegetation
June 10(Tue)	15:30~16:20	P2-391	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2868	Benjamin Ellert	Canada	Agriculture & Agri-Food Canada	Poster	Soil disturbance effects on plant residue decay in Canadian agricultural soils

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Date	Time	Code-N	Session	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 10(Tue)	15:30~16:20	P2-392	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2889	Serafim Chukov	Russia	St. Petersburg State University	Poster	EVOLUTION OF SOIL HUMIC SUBSTANCES IN ANTROPOGENIC DISTURBED SOILS
June 10(Tue)	15:30~16:20	P2-393	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2927	Joyce Araujo	Brazil	National Institute of Metrology, Quality and	Poster	Investigation of chemical interactions between humic substances and calcium compounds in fertile soils
June 10(Tue)	15:30~16:20	P2-394	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2938	Brian James Reidy	Ireland	Teagasc	Poster	Carbon, Pedo-transfer Functions and the Irish Soil Information System
June 10(Tue)	15:30~16:20	P2-395	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF2944	Jacob Souto	Brazil	Federal University of Campina Grande	Poster	CARBON STOCK IN DIFFERENT TYPES OF CAATINGA FOREST IN THE SEMIARID REGION OF PARAIBA STATE, BRAZIL
June 10(Tue)	15:30~16:20	P2-396	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF3008	Fernando Fernandes	Brazil	Embrapa Pantanal	Poster	Soil organic carbon sequestration potencial for Brazilian Cerrado pastures estimated by modelling
June 10(Tue)	15:30~16:20	P2-397	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF3150	Benny Fischer	Germany	Friedrich Schiller University Jena	Poster	Two-dimensional Chromatographic Characterization of dissolved Organic matter from forest floor leachates and ground water
June 10(Tue)	15:30~16:20	P2-398	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AF3267	Fatima Rukshana	Bangladesh	River Research Institute	Poster	The magnitude of alkalinity priming induced by organic compounds depends on initial soil pH and native organic carbon content
June 10(Tue)	15:30~16:20	P2-399	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AK0414	Ji Young Jung	Korea	Korea Polar Research Institute	Poster	Changes in soil organic carbon in response to climate manipulation under Cassiope tetragona in Zackenberg, Greenland
June 10(Tue)	15:30~16:20	P2-400	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AK0610	Woo-Jung Choi	Korea	Chonnam National University	Poster	Coal Fly Ash Amendment Reduced Soil Carbon Loss in Temperate Rice Paddy
June 10(Tue)	15:30~16:20	P2-401	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AK0931	Yong Seong Lee	Korea	Chonnam National University	Poster	Statistical optimization of medium components for chitinase production by <i>Pseudomonas fluorescens</i> strain HN1205; role of
June 10(Tue)	15:30~16:20	P2-402	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AK0932	Yong Seong Lee	Korea	Chonnam National University	Poster	Nematicidal activity of lactic acid produced by <i>Lysobacter capsici</i> YS1215
June 10(Tue)	15:30~16:20	P2-403	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AK1148	Joungdu Shin	Korea	National Academy of Agricultural Science	Poster	Effects of Nitrogen and Carbon Contents in Different Soils Cooperated with Organic Composts and Bio-char During Incubation
June 10(Tue)	15:30~16:20	P2-404	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AK1701	Myung Chul Seo	Korea	National Institute of Crop Science	Poster	Physicochemical Properties of Soils as Affected by Minimum Tillage and Direct Seeding Cultivation on Dry Rice Paddy
June 10(Tue)	15:30~16:20	P2-405	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AK2334	Minjin Lee	Korea	Seoul National University	Poster	Impact of maize growth on soil carbon dynamics in <sup>13</sup> C-labeled plant residue incorporated soil
June 10(Tue)	15:30~16:20	P2-406	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AK2590	Sungjin Nam	Korea	Korea Polar Research Center	Poster	Composition of soil organic matter in moist acidic tussock tundra, Council Alaska
June 10(Tue)	15:30~16:20	P2-407	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AK2659	Seo-Yeon Lee	Korea	Seoul National University	Poster	Carbon and nitrogen stocks of trees and soils in a 'Niitaka' pear orchard
June 10(Tue)	15:30~16:20	P2-408	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AK3126	Seon Ah Hwang	Korea	Department of Rice and Winter Cereal Crop, National	Poster	Distribution of carbon and nitrogen in soil aggregation fraction under long-term application of rice straw and rice straw compost in
June 10(Tue)	15:30~16:20	P2-409	Soil Organic Carbon: Dynamics, Stabilization, and Environmental	AK3241	Hyun-Ju Kim	Korea	Chungbuk Agricultural Research and Extension	Poster	Monitoring Chemical Properties of Up-land Soils in Chungbuk Region
June 10(Tue)	15:30~16:20	P2-410	Microbial Biodiversity and Ecosystem Functions in Volcanic Soils	AF1980	Daniel Menezes-Blackburn	Germany	Max Rubner-Institut Federal Research Institute	Poster	Effect of cattle manure inoculation with an alkaline phytase producing Bacilli in organic P mineralization, bacterial community
June 10(Tue)	15:30~16:20	P2-411	Microbial Biodiversity and Ecosystem Functions in Volcanic Soils	AF2507	Yolanda Canton	Spain	University of Almeria	Poster	Relationship between vegetation indices and biological activity of different types of biological soil crusts
June 10(Tue)	15:30~16:20	P2-412	Microbial Biodiversity and Ecosystem Functions in Volcanic Soils	AF3271	Hao Chen	China	China Agricultural University	Poster	Effect of drying-rewetting on soil microbial biomass and community level physiological profile in soil amended with wheat straw
June 10(Tue)	15:30~16:20	P2-413	Microbial Biodiversity and Ecosystem Functions in Volcanic Soils	AK0193	Jae-Ho Joa	Korea	National Institute of Horticultural & Herbal	Poster	Effect of Long-Term Fertilization on Soil Microbial Activities and Community Structure in Volcanic Ash Citrus Orchard Soil
June 10(Tue)	15:30~16:20	P2-414	Microbial Biodiversity and Ecosystem Functions in Volcanic Soils	AK1189	Jung-Sook Lee	Korea	Korea Research Institute of Bioscience and	Poster	Variibacter gotjawalensis gen. nov., sp. nov., isolated from soil of a Gotjawal forest
June 10(Tue)	15:30~16:20	P2-415	Microbial Biodiversity and Ecosystem Functions in Volcanic Soils	AK1207	Jong-Shik Kim	Korea	Gyeongbuk Institute for Marine Bioindustry	Poster	Microbial Functional Structure of Lava-Formed Gotjawal Soils in Jeju Island, Korea

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June 10(Tue)	15:30~16:20	P2-416	Microbial Biodiversity and Ecosystem Functions in Volcanic Soils	AK2741	Seokhyung Ko	Korea	Jeju Special Self-Governing Province	Poster	Comparison of Soil characteristics and Soil Microbial Activities according to Sections of Hiking Trails for Hallasan National Park
June 10(Tue)	15:30~16:20	P2-417	Microbial Biodiversity and Ecosystem Functions in Volcanic Soils	AK2759	Seokhyung Ko	Korea	Jeju Special Self-Governing Province	Poster	Characteristics of Soil and Soil Microbial Distribution by Gotjawal Terrain in Jeju Island
June 10(Tue)	15:30~16:20	P2-418	Microbial Biodiversity and Ecosystem Functions in Volcanic Soils	AK3134	Yu Kyoung Kim	Korea	Jeju agricultural research and extension services	Poster	Effects of cover crops on nutrient contribution and soil microbial community in organic citrus orchard in Jeju
June 10(Tue)	15:30~16:20	P2-419	Microbial Biodiversity and Ecosystem Functions in Volcanic Soils	AF3345	Hao Chen	China	China Agricultural University	Poster	Functions Recover after Fumigants Removal in Different Soils
June 10(Tue)	15:30~16:20	P2-420	Water Conservation Technologies and Impacts on Sustainable Dry Land	AF0002	Abdulrasoul Alomran	Saudi Arabia	king saud university	Poster	CONOCARPUS WASTE FOR IMPROVING WATER MANAGEMENT OF CALCAREOUS SANDY SOILS
June 10(Tue)	15:30~16:20	P2-421	Water Conservation Technologies and Impacts on Sustainable Dry Land	AF0039	Erwin Murer	Austria	Federal Agency for Water Management	Poster	Drought monitoring system for Austrian agriculture - AgroDroughtAustria
June 10(Tue)	15:30~16:20	P2-422	Water Conservation Technologies and Impacts on Sustainable Dry Land	AF0120	Ahm Zulfiquar Ali	Bangladesh	University of Dhaka	Poster	A new technique placing white painted water-filled polyethylene bottles on soil surface beside plant bases to reduce high soil
June 10(Tue)	15:30~16:20	P2-423	Water Conservation Technologies and Impacts on Sustainable Dry Land	AF0337	Jiazhou Chen	China	Huazhong Agricultural University	Poster	Soil hydraulic properties and moisture regime as affected by agronomic management practices in a clayey Ultisol
June 10(Tue)	15:30~16:20	P2-424	Water Conservation Technologies and Impacts on Sustainable Dry Land	AF0478	Mohammad Hajabbasi	Iran	Isfahan University of Technology	Poster	The effect of mixing zeolite in soil with application of wastewater and sewage sludge on Lead in Lepidium sativum
June 10(Tue)	15:30~16:20	P2-425	Water Conservation Technologies and Impacts on Sustainable Dry Land	AF0835	Tapsoba Gisele	Burkina Faso	Burkina Faso Soil Science Society	Poster	How to save agricultural production in Sahelian zone prone to drought: Case of Burkina Faso
June 10(Tue)	15:30~16:20	P2-426	Water Conservation Technologies and Impacts on Sustainable Dry Land	AF0848	Idowu Babadele Famuwagun	Nigeria	The Federal University of Technology, Akure Nigeria	Poster	Shade and water management: a viable option for soil temperature reduction and root development in plantation crop establishment.
June 10(Tue)	15:30~16:20	P2-427	Water Conservation Technologies and Impacts on Sustainable Dry Land	AF1219	Anna Fedotova	Russia	Astrakhan State University	Poster	Assessment of Soil Degradation Processes with the Help of the Statistic Analysis Method
June 10(Tue)	15:30~16:20	P2-428	Water Conservation Technologies and Impacts on Sustainable Dry Land	AF1304	Lich Nguyen	Australia	University of South Australia	Poster	Nutrient removal from intensive shrimp farming wastewater using red seaweed (Gracilaria verrucosa)
June 10(Tue)	15:30~16:20	P2-429	Water Conservation Technologies and Impacts on Sustainable Dry Land	AF2144	Emmanuel Mutebi	Uganda	Regional Climate Change Support Initiative (RCCSI)	Poster	The contribution of simple irrigation technologies to crop production in the arid lands of North Eastern Uganda
June 10(Tue)	15:30~16:20	P2-430	Water Conservation Technologies and Impacts on Sustainable Dry Land	AF2153	William Kayemba	Uganda	Millennium Environmental Research Alliance(MERA)	Poster	Boosting crop productivity through irrigation water systems
June 10(Tue)	15:30~16:20	P2-431	Water Conservation Technologies and Impacts on Sustainable Dry Land	AF2752	Mallika Srisutham	Japan	The university of Tokyo	Poster	Influences of Environmental Conditions and Agricultural Conservation Practice on Growth and Yield of Cassava with No-Irrigation in
June 10(Tue)	15:30~16:20	P2-432	Water Conservation Technologies and Impacts on Sustainable Dry Land	AF2774	Robert Glucksman	Hong Kong	Witgang Agricultural & Landscape Ltd.	Poster	Increasing water-use efficiency and crop value through surfactant application in sprinkler-irrigated and rain-fed potatoes
June 10(Tue)	15:30~16:20	P2-433	Water Conservation Technologies and Impacts on Sustainable Dry Land	AF2832	Mohammad Al-Wabel	Saudi Arabia	King saud university	Poster	Chemical co-precipitation of iron and magnesium oxides on biochar produced from conocarpus wastes increases NO3 removal from
June 10(Tue)	15:30~16:20	P2-434	Water Conservation Technologies and Impacts on Sustainable Dry Land	AF2842	Satyanarayana Talatam	India	International Plant Nutrtion Institute	Poster	Practicing Conservation Agriculture and Balanced Fertiliser Use Improves the Yield and Economics of Farmers in Semi-Arid Tropical
June 10(Tue)	15:30~16:20	P2-435	Water Conservation Technologies and Impacts on Sustainable Dry Land	AF3264	Michelle Wander	USA	University of Illinois	Poster	Indicators to promote sustainable agricultural intensification
June 10(Tue)	15:30~16:20	P2-436	Water Conservation Technologies and Impacts on Sustainable Dry Land	AF3318	Sunday Obalum	Nigeria	University of Nigeria, Nsukka, NIGERIA	Poster	Simulating dry-season hardening of lowland soils and assessing the impacts on sawah rice performance under three water regimes
June 10(Tue)	15:30~16:20	P2-437	Water Conservation Technologies and Impacts on Sustainable Dry Land	AK0607	Woo-Jung Choi	Korea	Chonnam National University	Poster	Suppression of Algae Growth by Phosphorus Removal Using Fly Ash as a Growth Medium of Planted Floats
June 10(Tue)	15:30~16:20	P2-438	Water Conservation Technologies and Impacts on Sustainable Dry Land	AK0609	Woo-Jung Choi	Korea	Chonnam National University	Poster	Characteristics of Isotopic and Elemental Compositions of Potential Water Pollution Sources in Rural Area
June 10(Tue)	15:30~16:20	P2-439	Water Conservation Technologies and Impacts on Sustainable Dry Land	AK0612	Woo-Jung Choi	Korea	Chonnam National University	Poster	Nutrient Sources Affected Concentration and Isotope Ratio of Nitrogen in Ponding Water of Paddy Soils in a Laboratory Incubation

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June 10(Tue)	15:30~16:20	P2-440	Water Conservation Technologies and Impacts on Sustainable Dry Land	AK2404	Sue A Kang	Korea	Korea University	Poster	Zinc Sorption on Coal Mine Drainage Sludge
June 10(Tue)	15:30~16:20	P2-441	Water Conservation Technologies and Impacts on Sustainable Dry Land	AK3189	Keun Yook Chung	Korea	Chungbuk National University	Poster	Phosphorus removal and diesel degradation by Bacillus sp. 3434BRRJ isolated from industrial wastewater
June 10(Tue)	15:30~16:20	P2-442	Water Conservation Technologies and Impacts on Sustainable Dry Land	AK3193	Keun Yook Chung	Korea	Chungbuk National University	Poster	Effects of Ca <sup>2+</sup> and Mg <sup>2+</sup> on the formation of Trihalomethane(THM) and Haloacetic acid(HAA) during thechlorination of drinking water
June 10(Tue)	15:30~16:20	P2-443	Water Conservation Technologies and Impacts on Sustainable Dry Land	AK3195	Keun Yook Chung	Korea	Chungbuk National University	Poster	Effect of Environmental Factors on the Growth of and Capacity of Phosphorus(P) Removal by Bacillus sp. 3434BRRJ in the Biological
June 10(Tue)	15:30~16:20	P2-444	Water Conservation Technologies and Impacts on Sustainable Dry Land	AK3198	Keun Yook Chung	Korea	Chungbuk National University	Poster	Characterization of the Proteins Involved in the Inhibitory Effect of Copper(Cu) on the Growth and Phosphorus(P) Removal Efficiency of
June 10(Tue)	15:30~16:20	P2-445	Water Conservation Technologies and Impacts on Sustainable Dry Land	AK3200	Keun Yook Chung	Korea	Chungbuk National University	Poster	Effects of Selected Heavy Metals on the Growth of and Phosphorus(P) Removal Capacity by the Three Bacteria, Bacillus sp.
June 10(Tue)	15:30~16:20	P2-446	Techniques to Manage Contaminated Arable Soils	AF0095	Olatunde Eludoyin	Nigeria	University of Port Harcourt	Poster	TEMPORAL ANALYSIS OF BIOREMEDIATION OF CRUDE OIL CONTAMINATED SOIL USING REMEDIATION BY ENHANCED
June 10(Tue)	15:30~16:20	P2-447	Techniques to Manage Contaminated Arable Soils	AF0302	Sifau Adejumo	Nigeria	UNIVERSITY OF IBADAN, IBADAN, NIGERIA	Poster	HEAVY METAL TRANSPORT AND ACCUMULATION IN MAIZE CROP GROWN ON BATTERY WASTES CONTAMINATED SITE IN RESPONSE
June 10(Tue)	15:30~16:20	P2-448	Techniques to Manage Contaminated Arable Soils	AF0350	Rong Fu Chen	China	Institute of Soil Science, Chinese Academy of	Poster	Oil tea ( <i>Camellia oleifera</i> Abel.), an aluminum hyperaccumulator, adapts to acid soils ingeniously
June 10(Tue)	15:30~16:20	P2-449	Techniques to Manage Contaminated Arable Soils	AF0392	Ying Shin Chen	Taiwan	SINOTECH ENGINEERING CONSULTANTS, INC.	Poster	The Cost Benefit Analysis of Using Contaminated Agricultural Land to Planting Energy Crops
June 10(Tue)	15:30~16:20	P2-450	Techniques to Manage Contaminated Arable Soils	AF0461	Sunhwa Park	Korea	National Institute of Environmental Research	Poster	Evaluation of Biological Nitrate Degradation Rate by Indigenous Microorganism in Column Packed with Nitrate-Contaminated Soils
June 10(Tue)	15:30~16:20	P2-451	Techniques to Manage Contaminated Arable Soils	AF0476	Mohammad Hajabbasi	Iran	Isfahan University of Technology	Poster	Phytoremediation of soil contaminated with petroleum hydrocarbon using different amendments
June 10(Tue)	15:30~16:20	P2-452	Techniques to Manage Contaminated Arable Soils	AF0477	Mohammad Hajabbasi	Iran	Isfahan University of Technology	Poster	Phytostimulation of maize ( <i>Zea mays</i> L.) in an aged petroleum contaminated calcareous soil incorporated with sewage sludge
June 10(Tue)	15:30~16:20	P2-453	Techniques to Manage Contaminated Arable Soils	AF0482	Tai-Hsiang Huang	Taiwan	National Taiwan University	Poster	Soil Water Management to Decrease the Arsenic Content and Arsenic speciation of Brown Rice Grown in Arsenic Contaminated
June 10(Tue)	15:30~16:20	P2-454	Techniques to Manage Contaminated Arable Soils	AF0484	Zueng-Sang Chen	Taiwan	National Taiwan University	Poster	Soil Water Management Effect on As Concentration of Brown Rice Grown in Two Different Soil Properties of Arsenic-contaminated Soils
June 10(Tue)	15:30~16:20	P2-455	Techniques to Manage Contaminated Arable Soils	AF0542	Min-Chao Wang	Taiwan	Chaoyang University of Technology	Poster	Reactions of Nonylphenol with Humic Acid in Sediment at Different pH
June 10(Tue)	15:30~16:20	P2-456	Techniques to Manage Contaminated Arable Soils	AF0630	Yun-Jie Lai	Taiwan	Apollo Technology Co., Ltd.	Poster	High background levels of Cr and Ni in serpentinitic soil and their uptake by paddy rice in Taiwan
June 10(Tue)	15:30~16:20	P2-457	Techniques to Manage Contaminated Arable Soils	AF0708	Prashant Srivastava	Australia	Cooperative Research Centre for Contamination	Poster	Lead immobilization in a contaminated soil by phosphate enriched chitosan beads
June 10(Tue)	15:30~16:20	P2-458	Techniques to Manage Contaminated Arable Soils	AF0710	Biao Huang	China	Institute of Soil Science, Chinese Academy of	Poster	The impact of greenhouse vegetable farming duration and soil types on phytoavailability of heavy metals and their health risk in eastern
June 10(Tue)	15:30~16:20	P2-459	Techniques to Manage Contaminated Arable Soils	AF0713	Ian Hollingsworth	Australia	Horizon Environmental Soil Survey & Evaluation	Poster	Accounting for changes in the water retention properties of mine landform cover material over time
June 10(Tue)	15:30~16:20	P2-460	Techniques to Manage Contaminated Arable Soils	AF1213	Radim Vacha	Czech Republic	Research Institute for Soil and Water Conservation	Poster	The system for evaluation and management of contaminated agricultural soils proposed in the Czech Republic
June 10(Tue)	15:30~16:20	P2-461	Techniques to Manage Contaminated Arable Soils	AF1398	Chun-Chih Tsui	Taiwan	National Taiwan University	Poster	Safety Evaluation of Vegetables Grown on the Highly Arsenic-Contaminated Soils in Northern Taiwan
June 10(Tue)	15:30~16:20	P2-462	Techniques to Manage Contaminated Arable Soils	AF1494	Jan Mihalik	Czech Republic	National Radiation Protection Institute	Poster	Root uptake of Cs 134 early after radioactive fallout.
June 10(Tue)	15:30~16:20	P2-463	Techniques to Manage Contaminated Arable Soils	AF1567	Mohammed Masud Parvage	Sweden	Swedish University of Agricultural Sciences (SLU)	Poster	Horse paddocks - a source of water pollution via excess phosphorus (P) and nitrogen (N) leaching and possible counter measures

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June 10(Tue)	15:30~16:20	P2-464	Techniques to Manage Contaminated Arable Soils	AF1660	Hamaad Ahmad	Pakistan	Institute of Soil and Environmental Sciences, Univ.	Poster	Effect of inorganic and organic amendments on the bioavailability of chromium in contaminated soils: A sequential study.
June 10(Tue)	15:30~16:20	P2-465	Techniques to Manage Contaminated Arable Soils	AF1712	Adipati Napoleon	Indonesia	Sriwijaya University	Poster	The effect of Deltametrin application on microbial degradation of organic matter and soil fertility
June 10(Tue)	15:30~16:20	P2-466	Techniques to Manage Contaminated Arable Soils	AF1725	Saif Ullah	Pakistan	University of Agriculture, Faisalabad	Poster	Foliar application of zinc at booting stage can modify plant growth and decrease Cd concentration in bread wheat
June 10(Tue)	15:30~16:20	P2-467	Techniques to Manage Contaminated Arable Soils	AF1968	Md. Abul Kashem	Bangladesh	Chittagong University	Poster	Application of Iherzolite on the plant growth and on chemical fractionation of lead in contaminated soil
June 10(Tue)	15:30~16:20	P2-468	Techniques to Manage Contaminated Arable Soils	AF1977	Md. Shoffikul Islam	Bangladesh	Chittagong University	Poster	Effect of rare metals on uptake characteristics and growth response of leafy vegetables
June 10(Tue)	15:30~16:20	P2-469	Techniques to Manage Contaminated Arable Soils	AF2030	Hanna Artuti Ekamawanti	Indonesia	Post-graduate School, Bogor Agricultural University	Poster	THE POTENTIAL OF LEGUME TREES FOR PHYTOSTABILIZATION OF MERCURY POLLUTED SOILS
June 10(Tue)	15:30~16:20	P2-470	Techniques to Manage Contaminated Arable Soils	AF2226	Armelle Braud	France	LPGN UMR 6112	Poster	Phytoextraction of lead contaminated soils with <i>Fagopyrum esculentum</i> : a field and laboratory scale study
June 10(Tue)	15:30~16:20	P2-471	Techniques to Manage Contaminated Arable Soils	AF2238	Armelle Braud	France	LPGN UMR 6112	Poster	Rhizo-phytoextraction of metal contaminated soils: An innovative selection tool for rhizobacteria
June 10(Tue)	15:30~16:20	P2-472	Techniques to Manage Contaminated Arable Soils	AF2360	Mauricio Molina	Chile	Universidad Tecnica federico Santa Maria	Poster	Cu extractability and uptake by maize ( <i>Zea mays</i> L.) and ryegrass ( <i>Lolium perenne</i> L.) plants in a contaminated soil amended with
June 10(Tue)	15:30~16:20	P2-473	Techniques to Manage Contaminated Arable Soils	AF2458	Thierry Lebeau	France	LPGN UMR 6112 LUNAM University of Nantes	Poster	Phytoextraction-assisted bioaugmentation of soils contaminated by Cu and Cd: role of the bacterial siderophore pyoverdine
June 10(Tue)	15:30~16:20	P2-474	Techniques to Manage Contaminated Arable Soils	AF2739	Ding Yan Lin	Taiwan	Department of Environmental Science and	Poster	Use an aryl hydrocarbon receptor (AhR) reporter gene assay with the improved cleanup procedure to survey dioxin levels of Taiwanese soil
June 10(Tue)	15:30~16:20	P2-475	Techniques to Manage Contaminated Arable Soils	AF2755	Md. Abul Kashem	Bangladesh	Chittagong University	Poster	The potentiality of <i>Arabidopsis halleri</i> ssp. <i>gemmifera</i> to accumulate Cd, Zn and Pb grown in nutrient solution
June 10(Tue)	15:30~16:20	P2-476	Techniques to Manage Contaminated Arable Soils	AF2809	Yang-Hsin Shih	Taiwan	National Taiwan University	Poster	One-pot synthesized zerovalent iron/activated carbon composite degrades trichloroethylene
June 10(Tue)	15:30~16:20	P2-477	Techniques to Manage Contaminated Arable Soils	AF2836	Asif Naeem	Pakistan	Nuclear Institute for Agriculture and Biology	Poster	Cadmium Accumulation and Antioxidant Response of Wheat Cultivars to Silicon Application in Hydroponics
June 10(Tue)	15:30~16:20	P2-478	Techniques to Manage Contaminated Arable Soils	AF2841	Muhammad Sabir	Pakistan	University of Agriculture, Faisalabad	Poster	Calcium application alleviates nickel phytotoxicity in rice ( <i>Oryza sativa</i> L.)
June 10(Tue)	15:30~16:20	P2-479	Techniques to Manage Contaminated Arable Soils	AF2856	Nejla Hechmi	Tunisia	water researches and technologies center	Poster	Arbuscular mycorrhizal fungi in bioremediation of co-contaminated soil
June 10(Tue)	15:30~16:20	P2-480	Techniques to Manage Contaminated Arable Soils	AF2860	Sunday Aboh	Nigeria	COLLEGE OF EDUCATION AGBOR DELTA STATE	Poster	Remediation of Crude Oil Polluted Soils: effect of organic and inorganic nutrient source on the growth of sweet potato ( <i>Ipomea</i>
June 10(Tue)	15:30~16:20	P2-481	Techniques to Manage Contaminated Arable Soils	AF2948	Chuleemas Boonthai Iwai	Thailand	Khon Kaen University	Poster	BIO-SOLID-BASED CO-COMPOSTS WITH LIME, BENTONITE AND BIOCHAR REDUCE THE BIOAVAILABILITY OF CADMIUM IN
June 10(Tue)	15:30~16:20	P2-482	Techniques to Manage Contaminated Arable Soils	AF2949	Chuleemas Boonthai Iwai	Thailand	Khon Kaen University	Poster	Feasibility study of using earthworm and agricultural waste as bio-adsorbent for copper contamination in soil
June 10(Tue)	15:30~16:20	P2-483	Techniques to Manage Contaminated Arable Soils	AF2950	Chuleemas Boonthai Iwai	Thailand	Khon Kaen University	Poster	Manage Different Agro-Industrial Wastes by using Vermicomposting with Chicken Manure
June 10(Tue)	15:30~16:20	P2-484	Techniques to Manage Contaminated Arable Soils	AF2995	Clarice Oliveira	Brazil	Universidade Federal Rural do Rio de Janeiro	Poster	Potential of elephant grass in the phytoremediation of zinc and cadmium contaminated soil
June 10(Tue)	15:30~16:20	P2-485	Techniques to Manage Contaminated Arable Soils	AF3053	Suman George	Australia	The University of Western Australia	Poster	Organic and microbial evaluation of biodegradation capacity of soils to degrade petrogenic hydrocarbons
June 10(Tue)	15:30~16:20	P2-486	Techniques to Manage Contaminated Arable Soils	AF3069	Shiwei Zhou	China	Yantai Institute of Coastal Zone Research	Poster	Immobilization of copper in brown soil using different amendments
June 10(Tue)	15:30~16:20	P2-487	Techniques to Manage Contaminated Arable Soils	AF3258	Narindar Singh Bhogal	India	Directorate of Rapeseed Mustard Research,Sewar,	Poster	Phyto-extraction of heavy metals from municipal sewage loaded soils of Calciorthents

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June 10(Tue)	15:30~16:20	P2-488	Techniques to Manage Contaminated Arable Soils	AF3343	Mary Allagoa	United Kingdom	UNIVERSITY OF ABERDEEN	Poster	Determination of Chemical Availability of Nickel and Copper in Soil
June 10(Tue)	15:30~16:20	P2-489	Techniques to Manage Contaminated Arable Soils	AK3071	Jin-Ho Lee	Korea	Chonbuk National University	Poster	Improvement of Remediated Soils by Applying Different Agricultural Soils
June 10(Tue)	15:30~16:20	P2-490	Techniques to Manage Contaminated Arable Soils	AK3120	Kwang Seop Kim	Korea	National Institute of Crop Science, RDA	Poster	Ethylenediamine-zeolite hybrid for a new approach to phytoremediation
June 10(Tue)	15:30~16:20	P2-491	Techniques to Manage Contaminated Arable Soils	AF1787	Asa Gholizadeh	Czech Republic	Czech University of Life Sciences	Poster	Visible and Near Infrared Spectroscopy of Anthropogenic Soils on a Brown Coal Mining Dumpsite
June 10(Tue)	All day	Art Poster	Physical Restoration of Soils-art		Daniel McCormick & Mary O'brien				
June 10(Tue)	15:30~16:20	P2-492	Physical Restoration of Soils	AF0097	Che Fauziah Ishak	Malaysia	Universiti Putra Malaysia	Poster	Heavy metals concentrations in soil and factors controlling their behavior during an application of raw and composted recycled paper
June 10(Tue)	15:30~16:20	P2-493	Physical Restoration of Soils	AF0368	Wan Rasidah Kadir	Malaysia	Forest Research Institute Malaysia	Poster	SOIL ASSESSMENT AT DEGRADING MANGROVE FORESTS: A CASE STUDY IN LAWAS, SARAWAK
June 10(Tue)	15:30~16:20	P2-494	Physical Restoration of Soils	AF0407	Sebastian Meier	Chile	Universidad de La Frontera	Poster	Role of Arbuscular Mycorrhizal Fungi to the Phytoremediation of Metal polluted Soils.
June 10(Tue)	15:30~16:20	P2-495	Physical Restoration of Soils	AF0430	Thadeu Melo	Brazil	Universidade Estadual de Londrina	Poster	Chicken Manure and Water Dispersible Clay of Brazilian Soils
June 10(Tue)	15:30~16:20	P2-496	Physical Restoration of Soils	AF1431	Dan Tsang	Hong Kong	Hong Kong Polytechnic University	Poster	Interactions of Food Waste Compost with Metals and Metal-Chelant Complexes during Soil Remediation
June 10(Tue)	15:30~16:20	P2-497	Physical Restoration of Soils	AF1682	Aomi Suda	Japan	National Institute for Agro-Environmental Sciences	Poster	A new method for selective extraction of trace elements occluded in Mn oxides from soils with a focus on applicability to Andisols
June 10(Tue)	15:30~16:20	P2-498	Physical Restoration of Soils	AF2936	Norazlina Abu Sari	Malaysia	Universiti Putra Malaysia	Poster	Immobilization of arsenic and cadmium by oil palm empty fruit bunch biochar
June 10(Tue)	15:30~16:20	P2-499	Physical Restoration of Soils	AF3004	Maria Teresa Vilela Nogueira Abdo	Brazil	APTA-SAA	Poster	Agroforest System implantation for gully erosion control in Pindorama Reserve, Brazil
June 10(Tue)	15:30~16:20	P2-500	Physical Restoration of Soils	AK3119	Huisu Bae	Korea	Reclaimed Land Agriculture Division , Department of Rice	Poster	Effect of Subsurface Drainage Pumping Station System on Soil Salinity and Drainage in the Reclaimed Tidal Flat Land
June 10(Tue)	All day	Art Poster	Linking forest Management and Soil Processes to Ecosystem Productivity		Ken Van Rees				
June 10(Tue)	15:30~16:20	P2-501	Linking forest Management and Soil Processes to Ecosystem Productivity	AF0147	Weiwei Cong	China	China Agricultural Univrsity,Shenyang	Poster	Change in soil organic matter composition and C transfered pathways after afforestation of farmland in northeastern China
June 10(Tue)	15:30~16:20	P2-502	Linking forest Management and Soil Processes to Ecosystem Productivity	AF0221	Quintino Araujo	Brazil	Cocoa Research Center / Ceplac and State University	Poster	Study of purine alkaloids and phenolic substances if cocoa beans grown in different soils in southeastern Bahia, Brazil
June 10(Tue)	15:30~16:20	P2-503	Linking forest Management and Soil Processes to Ecosystem Productivity	AF0301	Shinichiro Mishima	Japan	NIAES	Poster	Nutrient cycling in Japanese agro-ecosystem in 1980 and 2010
June 10(Tue)	15:30~16:20	P2-504	Linking forest Management and Soil Processes to Ecosystem Productivity	AF0604	Jaeyeob Jeong	Australia	University of South Australia, Mawson Lakes Campus,	Poster	Belowground carbon and nitrogen status in a fire-damaged urban forest landscape
June 10(Tue)	15:30~16:20	P2-505	Linking forest Management and Soil Processes to Ecosystem Productivity	AF0640	Jaeyeob Jeong	Australia	University of South Australia, Mawson Lakes Campus,	Poster	Carbon and nitrogen status of organic horizon by an age sequence of Pinus radiata plantations in South Australia
June 10(Tue)	15:30~16:20	P2-506	Linking forest Management and Soil Processes to Ecosystem Productivity	AF0643	Jaeyeob Jeong	Australia	University of South Australia, Mawson Lakes Campus,	Poster	Annual variation of soil respiration rates following fertilizer applications in red pine stands
June 10(Tue)	15:30~16:20	P2-507	Linking forest Management and Soil Processes to Ecosystem Productivity	AF0669	Emmanuel Attoe	Nigeria	Cross River University of Technology	Poster	EVALUATION OF ALLUVIAL AND UPLAND SOILS OF OBUUBRA LOCAL GOVERNMENT AREA OF CROSS RIVER STATE, NIGERIA FOR OKRA (
June 10(Tue)	15:30~16:20	P2-508	Linking forest Management and Soil Processes to Ecosystem Productivity	AF1404	Philipp Goebes	Germany	Eberhard Karls University of Tubingen	Poster	How does litter cover, litter diversity and fauna affect sediment discharge and runoff?
June 10(Tue)	15:30~16:20	P2-509	Linking forest Management and Soil Processes to Ecosystem Productivity	AF1408	Caroline Mba	Nigeria	University of Nigeria, Nsukka Nigeria.	Poster	PAW-PAW LEAF BIOPESTICIDE AND PENNISETUM-GRASSENHANCED SOIL PROPERTIES AND MORINGA OLEIFERA GROWTH

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June 10(Tue)	15:30~16:20	P2-579	Linking forest Management and Soil Processes to Ecosystem Productivity	AF3366	Caroline Mba	Nigeria	University of Nigeria Nsukka	Poster	Pontoscolex Corethrusus Earthworm Boostent Soil Biological And Physicochemical Properties And Induced Edible Mushroom
June 10(Tue)	15:30~16:20	P2-510	Linking forest Management and Soil Processes to Ecosystem Productivity	AF2352	Po-Neng Chiang	Taiwan	National Taiwan University	Poster	Soil carbon cycle in subtropical afforestation in Taiwan
June 10(Tue)	15:30~16:20	P2-511	Linking forest Management and Soil Processes to Ecosystem Productivity	AF2828	Olabimpe Oladitan	Nigeria	Rufus Giwa Polythecnic	Poster	Year-round vegetable production for food security and livelihood support in the humid tropics in the wake of a changing climate and
June 10(Tue)	15:30~16:20	P2-512	Linking forest Management and Soil Processes to Ecosystem Productivity	AF3282	Fouad Issoufa Ali	Comoros	comores ANACM	Poster	Agriculture and soil conservation
June 10(Tue)	15:30~16:20	P2-513	Linking forest Management and Soil Processes to Ecosystem Productivity	AK0611	Woo-Jung Choi	Korea	Chonnam National University	Poster	Pine and Oak Trees Had Contrasting Water Use Responses to Environmental Changes Caused by Industrialization in Southern
June 10(Tue)	All day	Art Poster	The Soil Underfoot: Infinite Possibilities for a Finite Resource-art		Anneli Ketterer				
June 10(Tue)	15:30~16:20	P2-514	The Soil Underfoot: Infinite Possibilities for a Finite Resource	AF0505	Passinghan Igua	Papua New	Tigak Sustainable Development Foundation	Poster	Physical and Chemical Characteristics of Rendolls in the Tigak Area of New Ireland Province, Papua New Guinea
June 10(Tue)	15:30~16:20	P2-515	The Soil Underfoot: Infinite Possibilities for a Finite Resource	AF1438	Andreas Baumgarten	Austria	Austrian Agency for Health and Food Safety	Poster	Climate Change induced effects on water balance, productivity, biodiversity and ecosystem functions of arable soils in Austria
June 10(Tue)	15:30~16:20	P2-516	The Soil Underfoot: Infinite Possibilities for a Finite Resource	AF1692	Masanori Okazaki	Japan	Ishikawa Prefectural University	Poster	Characteristics of rammed earth fence of Samurai Residence in Kanazawa City, Japan
June 10(Tue)	15:30~16:20	P2-517	The Soil Underfoot: Infinite Possibilities for a Finite Resource	AF1706	Riikka Keskinen	Finland	MTT Agrifood Research Finland	Poster	Exploiting soil sample archives - effects of long-term storage on the solubility of micronutrients
June 10(Tue)	15:30~16:20	P2-518	The Soil Underfoot: Infinite Possibilities for a Finite Resource	AF1734	Riikka Keskinen	Finland	MTT Agrifood Research Finland	Poster	Total and soluble concentrations of micronutrients in the top- and subsoils of Sub-Saharan Africa
June 10(Tue)	15:30~16:20	P2-519	The Soil Underfoot: Infinite Possibilities for a Finite Resource	AF1762	Thiyageshwari Subramaniam	India	Tamilnadu Agricultural University	Poster	Nanogypsum -a promising alternative to remediate Sodic Soils
June 10(Tue)	15:30~16:20	P2-520	The Soil Underfoot: Infinite Possibilities for a Finite Resource	AF2053	Skyler Jayden Dembe	Uganda	Global Initiative Ugandas	Poster	The Effect of Climate Change Adaptation on Rural Community Livelihoods
June 10(Tue)	15:30~16:20	P2-521	The Soil Underfoot: Infinite Possibilities for a Finite Resource	AF2476	Wan Rasidah Kadir	Malaysia	Forest Research Institute Malaysia	Poster	METHODOLOGY FOR CLASSIFYING POST-MINING SOIL FOR TREE PLANTING
June 10(Tue)	15:30~16:20	P2-522	The Soil Underfoot: Infinite Possibilities for a Finite Resource	AF2550	Teimuraz Davitashvili	Georgia	I.Vekua Institute of Applied Mathematics of Tbilisi State	Poster	Some features of climate change in arid regions of Georgia and its impact on soil erosion and degradation processes
June 10(Tue)	15:30~16:20	P2-523	New Approaches in Paddy Soil Management for Food Safety and	AF0224	Hung-Yu Lai	Taiwan	MingDao University	Poster	Subcellular distribution of cadmium in the seedlings of two varieties of hydroponically grown paddy rice
June 10(Tue)	15:30~16:20	P2-524	New Approaches in Paddy Soil Management for Food Safety and	AF0259	Kai-Wei Juang	Taiwan	National Chiayi University	Poster	Lead uptakes by rice plant related to soil Pb availability and rice genotypes as confounded with iron plaque formation
June 10(Tue)	15:30~16:20	P2-525	New Approaches in Paddy Soil Management for Food Safety and	AF0267	Xinhua Peng	China	State Key Laboratory of Soil and Sustainable Agriculture,	Poster	Characteristics of cracks in two paddy soils and their impacts on preferential flow
June 10(Tue)	15:30~16:20	P2-526	New Approaches in Paddy Soil Management for Food Safety and	AF0474	Mohammed Abdul Kader	Bangladesh	Bangladesh Agricultural University	Poster	Paddy soil nitrogen mineralization: links with physicochemical soil organic matter fractions and enzyme activities
June 10(Tue)	15:30~16:20	P2-527	New Approaches in Paddy Soil Management for Food Safety and	AF0480	Nasrin Ghorbanzadeh	Iran	soil biology	Poster	Isolation and identification of ferric reducing bacteria and evaluation of their roles in iron availability in two calcareous soils
June 10(Tue)	15:30~16:20	P2-528	New Approaches in Paddy Soil Management for Food Safety and	AF0544	Takeshi Watanabe	Japan	Japan International Center for Agricultural Sciences	Poster	Combined effects of the continual application of composted rice straw and chemical fertilizer on rice yield under a double rice
June 10(Tue)	15:30~16:20	P2-529	New Approaches in Paddy Soil Management for Food Safety and	AF0562	Ya-Ting Ko	Taiwan	National Pingtung University of science and Technology	Poster	Uptake of heavy metals by paddy rice on serpentine soils
June 10(Tue)	15:30~16:20	P2-530	New Approaches in Paddy Soil Management for Food Safety and	AF0573	Xinjian Lin	China	Fujian Academy of Agricultural Sciences	Poster	Effects of consecutive turnover of milk vetch on paddy soil microbial properties
June 10(Tue)	15:30~16:20	P2-531	New Approaches in Paddy Soil Management for Food Safety and	AF0791	Ting Li	China	Institute of soil science, Chinese Academy of	Poster	Grading plant available non-exchangeable potassium according to its release rate levels using sodium tetraphenylboron

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June 10(Tue)	15:30~16:20	P2-532	New Approaches in Paddy Soil Management for Food Safety and	AF0823	Manjia Chen	China	Guangdong institute of Eco-environment and soil science	Poster	Effect of lactate and anthraquinone-2,6-disulfonate on pentachlorophenol degradation and bacterial community
June 10(Tue)	15:30~16:20	P2-533	New Approaches in Paddy Soil Management for Food Safety and	AF0843	Susumu Asakawa	Japan	Nagoya University	Poster	Estimation of microbial biomass potassium in paddy field soil
June 10(Tue)	15:30~16:20	P2-534	New Approaches in Paddy Soil Management for Food Safety and	AF1275	Rufus Chaney	USA	USDA-ARS-EMBUL	Poster	Effect of Irrigation Water Management on As and Cd in Rice Grain.
June 10(Tue)	15:30~16:20	P2-535	New Approaches in Paddy Soil Management for Food Safety and	AF1288	Xinqiang Liang	China	Zhejiang University	Poster	Comparison of phosphorus species in a Chinese paddy soil profile after long-term continuous pig manure and superphosphate
June 10(Tue)	15:30~16:20	P2-536	New Approaches in Paddy Soil Management for Food Safety and	AF1310	Zueng-Sang Chen	Taiwan	National Taiwan University	Poster	The Evaluation of Copper and Zinc Uptake and Risk Assessment of Twelve Rice Varieties Grown in Cu- or Zn-contaminated Soils of
June 10(Tue)	15:30~16:20	P2-537	New Approaches in Paddy Soil Management for Food Safety and	AF1471	Ping Zou	China	Zhejiang Academy of Agricultural Sciences	Poster	Comparison and distribution of phosphorus fractions in surface horizons of two paddy soil chronosequences
June 10(Tue)	15:30~16:20	P2-538	New Approaches in Paddy Soil Management for Food Safety and	AF1578	Xiaofen Liu	China	Henan Academy of Agricultural Sciences	Poster	Using thermal analysis to investigate physical protection from soil aggregates under the long-term fertilization practices
June 10(Tue)	15:30~16:20	P2-539	New Approaches in Paddy Soil Management for Food Safety and	AF2155	Biswajit Karmakar	Bangladesh	Bangladesh Rice Research Institute (BRR)	Poster	Nitrogen Use Efficiency of Promising Rice Genotypes in Drought Prone Northwest Bangladesh
June 10(Tue)	15:30~16:20	P2-540	New Approaches in Paddy Soil Management for Food Safety and	AF2293	Km Shamsul Haque	Australia	Charles Sturt University	Poster	Dynamics of soil pore-water Fe <sup>2+</sup> and Mn <sup>2+</sup> concentrations in rice-faba bean crop rotations
June 10(Tue)	15:30~16:20	P2-541	New Approaches in Paddy Soil Management for Food Safety and	AF2433	Xing Hu	China	Shanghai University	Poster	Effect of Cadmium on Microorganism Urease Activity in Paddy Soil
June 10(Tue)	15:30~16:20	P2-542	New Approaches in Paddy Soil Management for Food Safety and	AF2591	Mohammad Shahid	India	Indian Council of Agricultural Research	Poster	Micronutrients dynamics in soil and grain under long term application of fertilizer and manure in a tropical rice-rice system
June 10(Tue)	15:30~16:20	P2-543	New Approaches in Paddy Soil Management for Food Safety and	AF2624	Guo Wang	China	Fujian Agriculture and Forestry University	Poster	The Factors and Processes Relating with the Accumulation of Zn in Rice Grains
June 10(Tue)	15:30~16:20	P2-544	New Approaches in Paddy Soil Management for Food Safety and	AF3043	Tapasya Babu	USA	Louisiana State University	Poster	Status of Silicon and Cadmium in Paddy Soils of South India and Their Effect on Growth, Yield and Uptake by Rice
June 10(Tue)	15:30~16:20	P2-545	New Approaches in Paddy Soil Management for Food Safety and	AK0292	Koan Sik Woo	Korea	National Institute of Crop Science, Rural Development	Poster	Change of Antioxidant Compounds and Antioxidant Activity of Adzuki Bean by Drainage Methods in Poorly Drained Sloping Paddy
June 10(Tue)	15:30~16:20	P2-546	New Approaches in Paddy Soil Management for Food Safety and	AK0293	Koan Sik Woo	Korea	National Institute of Crop Science, Rural Development	Poster	Antioxidant Compounds and Antioxidant Activity of Proso Millet with Drainage Methods in Poorly Drained Sloping Paddy Field
June 10(Tue)	All day	Art Poster	Urban Soils-Properties, Functions and Evolution-art		Ellie Irons				
June 10(Tue)	15:30~16:20	P2-547	Urban Soils-Properties, Functions and Evolution	AF0100	Olufunmilayo Ande	Nigeria	Institute of agricultural research and training,	Poster	Characterization and Soil Pollution Assessment of Peri-Urban Fadama in South Western Nigeria for Food Security
June 10(Tue)	15:30~16:20	P2-548	Urban Soils-Properties, Functions and Evolution	AF0168	Olufunmilayo Ande	Nigeria	Institute of Agric. Research and Training, OAU, Ibadan,	Poster	Soil Characterization and Pollution Assessment of Peri-Urban Fadama in South Western Nigeria for Food Security
June 10(Tue)	15:30~16:20	P2-549	Urban Soils-Properties, Functions and Evolution	AF0192	Mansur Dawaki	Nigeria	Bayero University, Kano	Poster	Effect of Wastewater Irrigation on Quality of Urban Agricultural Soils in Metropolitan Kano, Nigeria
June 10(Tue)	15:30~16:20	P2-550	Urban Soils-Properties, Functions and Evolution	AF0296	Ini Edem	Nigeria	University of Uyo	Poster	Industrially-Contaminated Land: Soil Quality and Environmental Significance
June 10(Tue)	15:30~16:20	P2-551	Urban Soils-Properties, Functions and Evolution	AF0330	Klimova Viktoria	Russia	Moscow Pedagogical State University	Poster	THE CAPABILITIES OF MYCOLOGICAL DISPLAY IN DETERMINING THE POTENTIAL LEVEL OF POLLUTION LANDSCAPE OF HEAVY METAL
June 10(Tue)	15:30~16:20	P2-552	Urban Soils-Properties, Functions and Evolution	AF0347	Wenbiao Duan	China	Northeast Forestry University	Poster	Heavy Metal Contamination Characteristics of Greenbelt Soil and Tree Enrichment in Harbin City, China
June 10(Tue)	15:30~16:20	P2-553	Urban Soils-Properties, Functions and Evolution	AF0538	Xianghua Xu	China	Nanjing University of Information Science	Poster	Sources of heavy metal pollution risk in agricultural soils of a rapidly industrialized area in Yangtze Delta Region of China
June 10(Tue)	15:30~16:20	P2-554	Urban Soils-Properties, Functions and Evolution	AF0559	Michael Adedotun	Nigeria	Michael Adedotun Oke Foundation	Poster	Soil Usage in the Construction of Local Building in Old Kuntunkun Communities in Gwagalada Area Council of the Federal Capital

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June 10(Tue)	15:30~16:20	P2-555	Urban Soils-Properties, Functions and Evolution	AF0668	Sergey Gorbov	Russia	The Southern federal university	Poster	The ways of Chernozem's transformation in the conditions of urbopedogenesis in South Russia
June 10(Tue)	15:30~16:20	P2-556	Urban Soils-Properties, Functions and Evolution	AF1062	Qi-Tang Wu	China	South China Agricultural University	Poster	EFFECTIVENESS OF CHELATOR WASHING OF ACID-CONTAMINATED SOILS AND POTENTIAL RISK OF EDTA LEACHING TO
June 10(Tue)	15:30~16:20	P2-557	Urban Soils-Properties, Functions and Evolution	AF1085	Elena Sukhacheva	Russia	The Dokuchaev Central Soil Science Museum	Poster	PRINCIPLES OF CREATING A SOIL MAP OF URBAN AREAS (BY THE EXAMPLE OF ST. PETERSBURG) Ye.Yu. Sukhacheva (1); B.F. Aparin (2)
June 10(Tue)	15:30~16:20	P2-558	Urban Soils-Properties, Functions and Evolution	AF1191	Iris Zimmermann	Germany	Institute for plant nutrition and soil science, Christian-	Poster	Decomposition in Soil ? Evaluation of cemetery soils
June 10(Tue)	15:30~16:20	P2-559	Urban Soils-Properties, Functions and Evolution	AF1196	Hermine Huot	France	Laboratoire Sols et Environnement	Poster	Pedogenesis on a former settling pond of iron industry
June 10(Tue)	15:30~16:20	P2-560	Urban Soils-Properties, Functions and Evolution	AF1241	Chuxia Lin	United Kingdom	University of Salford	Poster	Treatment of acidic mine soils: effects on heavy metal dynamics and growth of <i>Corymbia citriodora</i> var. <i>variegata</i> seedlings
June 10(Tue)	15:30~16:20	P2-561	Urban Soils-Properties, Functions and Evolution	AF1253	Deniz Yilmaz	France	IFSTTAR	Poster	Evaluation of hydraulic properties of urban technosoils built with recycled waste
June 10(Tue)	15:30~16:20	P2-562	Urban Soils-Properties, Functions and Evolution	AF1758	Subhadip Ghosh	Singapore	National Parks Board	Poster	Organic and synthetic soil amendments influence soil quality and growth of tropical urban trees
June 10(Tue)	15:30~16:20	P2-563	Urban Soils-Properties, Functions and Evolution	AF1761	Subhadip Ghosh	Singapore	National Parks Board	Poster	Distribution of organic carbon on the roadside soils of a tropical urban city
June 10(Tue)	15:30~16:20	P2-564	Urban Soils-Properties, Functions and Evolution	AF1778	Domen Lestan	Slovenia	University of Ljubljana	Poster	Use of metal contaminated and EDTA washed garden soil in field experiment
June 10(Tue)	15:30~16:20	P2-565	Urban Soils-Properties, Functions and Evolution	AF1807	Thomas Nehls	Germany	Technische Universitaet Berlin	Poster	Contribution of bricks to urban soil properties
June 10(Tue)	15:30~16:20	P2-566	Urban Soils-Properties, Functions and Evolution	AF1844	Adrienn Horvath	Hungary	University of West Hungary	Poster	HEAVY METAL INVESTIGATIONS IN THE URBAN SOILS OF A HUNGARIAN CITY
June 10(Tue)	15:30~16:20	P2-567	Urban Soils-Properties, Functions and Evolution	AF1879	Kimihiro Kida	Japan	Tokyo Metropolitan University	Poster	INFLUENCE OF ASPHALT PAVEMENT ON MAJOR ELEMENT FORMS IN SUBGRADE SOILS
June 10(Tue)	15:30~16:20	P2-568	Urban Soils-Properties, Functions and Evolution	AF1911	Jose A. Acosta	Spain	Technical University of Cartagena	Poster	Effect of population density on heavy metal concentration in urban areas: differences between urban soil and street dust
June 10(Tue)	15:30~16:20	P2-569	Urban Soils-Properties, Functions and Evolution	AF1924	Jose A. Acosta	Spain	Technical University of Cartagena	Poster	Speciation of metals over different chemical fraction in street dust from different uses as basis for risk assessment
June 10(Tue)	15:30~16:20	P2-570	Urban Soils-Properties, Functions and Evolution	AF1937	Chuxia Lin	United Kingdom	University of Salford	Poster	Soil capping for vegetative establishment in red mud disposal areas
June 10(Tue)	15:30~16:20	P2-571	Urban Soils-Properties, Functions and Evolution	AF1992	Bjorn Kluge	Germany	TU Berlin	Poster	Heavy metal retention of different roadside soils
June 10(Tue)	15:30~16:20	P2-572	Urban Soils-Properties, Functions and Evolution	AF2818	Alexandra Golyeva	Russia	Institute of Geography RAS	Poster	Modern soils on Bronze Age settlement in Ural region (Russia): genesis, properties and evolution.
June 10(Tue)	15:30~16:20	P2-573	Urban Soils-Properties, Functions and Evolution	AF2909	Francisco Bautista	Mexico	Universidad Nacional Autonoma de Mexico	Poster	Diagnosis of heavy metal pollution in urban soils: the case of Mexico City
June 10(Tue)	15:30~16:20	P2-574	Urban Soils-Properties, Functions and Evolution	AF2922	Francisco Bautista	Mexico	Universidad Nacional Autonoma de Mexico	Poster	Magnetic properties of dusts and urban topsoils from the Mexicali (Mexico) - Calexico (U.S.) Binational Conurbation
June 10(Tue)	15:30~16:20	P2-575	Urban Soils-Properties, Functions and Evolution	AF2937	Francisco Bautista	Mexico	Universidad Nacional Autonoma de Mexico	Poster	Magnetic susceptibility and saturation isothermal remanent magnetization and their relationship with heavy metals in urban soils
June 10(Tue)	15:30~16:20	P2-576	Urban Soils-Properties, Functions and Evolution	AF3060	Pamela Hazelton	Australia	University of Technology, Sydney	Poster	A comparison of the efficiency of sediment control devices on stockpiled material at North Turrumurra Recreational area
June 10(Tue)	15:30~16:20	P2-577	Urban Soils-Properties, Functions and Evolution	AF3327	Christiane Raynal-Lacroix	France	Centre Technique Interprofessionnel des Fruits	Poster	Metal Trace Elements in Fruits and Vegetables in France
June 10(Tue)	15:30~16:20	P2-578	Urban Soils-Properties, Functions and Evolution	AF3338	Elzbieta Bielinska	Poland	University of Life Sciences in Lublin, Poland	Poster	Biochemical and Chemical Indicators of Anthropogenic Transformations for Soils in Urbanised Areas

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June 10(Tue)	15:30~16:20	P2-580	[IDS17] Surface Soil Resources Inventory and Integration: Soil Value	AK3383	Giha Lee	Korea	Namseoul University	Poster	The Detection of Temporal Variation of Land Cover Types Using Landsat Data Fusion
June 12(Thu)	15:30~16:20	P3-1	Soils, Land Use and Heat	AF0052	Byju Gangadharan	India	CENTRAL TUBER CROPS RESEARCH INSTITUTE	Poster	Impact of 2030 climate on suitability of tuber crops cultivation in India
June 12(Thu)	15:30~16:20	P3-2	Soils, Land Use and Heat	AF0199	Zahoor Ahmad	Pakistan	University of Haripur	Poster	Soil Phosphorus retention capacity of different amendments
June 12(Thu)	15:30~16:20	P3-3	Soils, Land Use and Heat	AF0213	Caiyan Lu	China	Institute of Applied Ecology, Chinese Academy of	Poster	Accumulation and leaching potential of Soluble Nitrogen in Greenhouse Soil
June 12(Thu)	15:30~16:20	P3-4	Soils, Land Use and Heat	AF0304	Oliver Opara-Nadi	Nigeria	University	Poster	Nutrient stocks and C sequestration in forest and forest-derived land use systems in the rainforest zone of Nigeria
June 12(Thu)	15:30~16:20	P3-5	Soils, Land Use and Heat	AF0339	Holger Rupp	Germany	Helmholtz Centre for Environmental Research -	Poster	Comparison of the temperature regime measured inside a containerized lysimeter station, inside lysimeter vessels and in
June 12(Thu)	15:30~16:20	P3-6	Soils, Land Use and Heat	AF0349	Yongzhuang Wang	China	Institute of Applied Ecology	Poster	Changes in microbial P and related soil properties as affected by low molecular weight organic acids (LMWOAs) in a neutral soil of China
June 12(Thu)	15:30~16:20	P3-7	Soils, Land Use and Heat	AF0413	Yi Shi	China	Institute of Applied Ecology, Chinese Academy of	Poster	Effect of Cadmium on Biomass and qualities of different Chinese
June 12(Thu)	15:30~16:20	P3-8	Soils, Land Use and Heat	AF0580	Abolfazl Azadi	Iran	College of agriculture	Poster	Qualitative land suitability evaluation for principal crops of southern Iran
June 12(Thu)	15:30~16:20	P3-9	Soils, Land Use and Heat	AF1255	Katja Richter	Germany	Umwelt-Gerate-Technik GmbH	Poster	Access to lysimeter measurements with affordable, ready-to-use lysimeter technology
June 12(Thu)	15:30~16:20	P3-10	Soils, Land Use and Heat	AF1540	Miglena Zhiyanski	Bulgaria	Forest Research Institute, BAS	Poster	Land use type as a factor for carbon accumulation in urban soils from elements of green infrastructure
June 12(Thu)	15:30~16:20	P3-11	Soils, Land Use and Heat	AF1769	Tamara Leah	Moldova	Institute of Soil Science, Agrochemistry and Soil	Poster	RESTORATION OF CHERNOZEMS FERTILITY UNDER THE INFLUENCE OF GREEN AND ORGANIC FERTILIZERS
June 12(Thu)	15:30~16:20	P3-12	Soils, Land Use and Heat	AF1836	Miglena Zhiyanski	Bulgaria	Forest Research Institute, BAS	Poster	Land use change effect on carbon stocks in mountain ecosystems from Rhodope Mountain, Bulgaria
June 12(Thu)	15:30~16:20	P3-13	Soils, Land Use and Heat	AF2401	Ieyasu Tokumoto	Japan	Tottori University	Poster	Quantifying Small-Scale Variability in Water Storage and Root Water Uptake on the Edwards Plateau, Texas
June 12(Thu)	15:30~16:20	P3-14	Soils, Land Use and Heat	AF2546	Hiroataka Saito	Japan	Tokyo University of Agriculture and Technology	Poster	Effect of land use change on soil physical properties of disadvantageous cultivated areas
June 12(Thu)	15:30~16:20	P3-15	Soils, Land Use and Heat	AF2619	Adilson Pinheiro	Brazil	Fundacao Universidade Regional de Blumenau	Poster	Temperature and water flow in an agricultural area under different land uses.
June 12(Thu)	15:30~16:20	P3-16	Soils, Land Use and Heat	AF2941	Hakki Emrah Erdogan	Turkey	Turkish Republic Ministry of Food, Agriculture and	Poster	The Design and Development of the Sustainable Land Management System in Ceylanpinar State Farm
June 12(Thu)	15:30~16:20	P3-17	Soils, Land Use and Heat	AF2957	Deborah Christina Moraes Mesquita	Brazil	Universidade de Brasilia-UnB	Poster	EVALUATION OF LAND USE IN THE WATERSHED OF RIBEIRAO EXTREMA, DISTRITO FEDERAL, BRAZIL, WITH THE AID OF REMOTE
June 12(Thu)	15:30~16:20	P3-18	Soils, Land Use and Heat	AF2973	Chau Ngo Thi Tuong	Viet Nam	Vietnam National University, Hanoi University of Science	Poster	Properties of fly ash from Pha Lai thermal power plant and its influence on properties of Haplic Acrisol
June 12(Thu)	15:30~16:20	P3-19	Soils, Land Use and Heat	AK2677	Kyungdae Kim	Korea	Gangwondo Research and Developmeta Service	Poster	Changes in climate and soil temperature regime in Korea
June 12(Thu)	15:30~16:20	P3-20	Key Processes and Factors to Mitigate Land Degradation	AF0107	German Kust	Russia	Moscow Lomonosov State University	Poster	Typology of soil-ecological risks for desertification
June 12(Thu)	15:30~16:20	P3-21	Key Processes and Factors to Mitigate Land Degradation	AF0229	Chen-Chi Tsai	Taiwan	National Ilan University	Poster	Effect of reforestation practice on soil carbon sequestration: A case study in seashore windbreak forest of northeastern Taiwan
June 12(Thu)	15:30~16:20	P3-22	Key Processes and Factors to Mitigate Land Degradation	AF0315	Olga Klymenko	Ukraine	Nikitsky Botanical Gardens	Poster	Interactions between soil, grape plant and microbes in vineyard environment
June 12(Thu)	15:30~16:20	P3-23	Key Processes and Factors to Mitigate Land Degradation	AF0365	Aung Zaw Oo	Japan	Tokyo University of Agriculture and Technology	Poster	Spatial and temporal variations in soil properties, plant growth and methane emission from lowland rice of Myanmar

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June 12(Thu)	15:30~16:20	P3-24	Key Processes and Factors to Mitigate Land Degradation	AF0756	Chongfeng Bu	China	Chinese Academy of Sciences	Poster	Anti-wind-erosion characteristics and key influencing factors of bryophytic biological soil crusts
June 12(Thu)	15:30~16:20	P3-25	Key Processes and Factors to Mitigate Land Degradation	AF0801	Sonoko Dorothea Bellingrath-Kimura	Japan	Tokyo University of Agriculture and Technology	Poster	Soil organic carbon change due to agricultural land use in the tropics - comparison of case studies in Mozambique, Vietnam and
June 12(Thu)	15:30~16:20	P3-26	Key Processes and Factors to Mitigate Land Degradation	AF0918	Yohei Hamada	Japan	Hokkaido University	Poster	Land degradation and gaseous carbon emission caused by fire in tropical peatland
June 12(Thu)	15:30~16:20	P3-27	Key Processes and Factors to Mitigate Land Degradation	AF0928	Ikabongo Mukumbuta	Japan	Hokkaido University	Poster	Effect of manure and fertilizer application on greenhouse gas emissions and global warming potential in a corn field in Shin-
June 12(Thu)	15:30~16:20	P3-28	Key Processes and Factors to Mitigate Land Degradation	AF0930	Kiwamu Ishikura	Japan	Hokkaido University	Poster	Spatial variations and the controlling factors of greenhouse gas fluxes from drained forest and burnt land on tropical peatland
June 12(Thu)	15:30~16:20	P3-29	Key Processes and Factors to Mitigate Land Degradation	AF1056	Hou Mudan	Japan	Tokyo university of agriculture and technology	Poster	Influence of Nitrogen Fertilizer Application Practices on Nitrous OxideEmission from Tea Soil in Japan
June 12(Thu)	15:30~16:20	P3-30	Key Processes and Factors to Mitigate Land Degradation	AF1173	Toko Tanikawa	Japan	Forestry and Forest Products Research Institute	Poster	Degradation of forest soils with low acid buffering capacity in Cryptomeria japonica and Chamaecyparis obtusa stands during two
June 12(Thu)	15:30~16:20	P3-31	Key Processes and Factors to Mitigate Land Degradation	AF1187	Atfritedy Limin	Japan	HOKKAIDO UNIVERSITY	Poster	Land use change effect on carbon balance: From managed grassland to corn field
June 12(Thu)	15:30~16:20	P3-32	Key Processes and Factors to Mitigate Land Degradation	AF1263	Ardeshir Adeli	USA	USDA-ARS	Poster	Use of Soil and Nutrient Management Practices for Restoration/Remediation quality of eroded soil.
June 12(Thu)	15:30~16:20	P3-33	Key Processes and Factors to Mitigate Land Degradation	AF1527	Khaled Haji Maleki	Iran	tehran university	Poster	Evaluation the criteria and indicators of soil degradation in semi arid area of east Qazvin
June 12(Thu)	15:30~16:20	P3-34	Key Processes and Factors to Mitigate Land Degradation	AF1852	Nakamoto Hirokazu	Japan	HOKKAIDO university	Poster	The effect of fertilizer and manure application on greenhouse gas from grassland and cornfield in japan
June 12(Thu)	15:30~16:20	P3-35	Key Processes and Factors to Mitigate Land Degradation	AF1853	Shinya Iwasaki	Japan	Graduate school of agriculture of Hokkaido	Poster	Evaluation of effect of clean agriculture in upland field in Toya and Iwamizawa, Hokkaido Japan
June 12(Thu)	15:30~16:20	P3-36	Key Processes and Factors to Mitigate Land Degradation	AF2434	Keyin Sheng	China	Jiangxi Agricultural University	Poster	The Research on Soil Physical Properties of Eucalyptus Plantation in Rare Earth Tailings Area
June 12(Thu)	15:30~16:20	P3-37	Key Processes and Factors to Mitigate Land Degradation	AF2512	Mariko Shimizu	Japan	Hokkaido university	Poster	Comparison of the effect of manure application on soil CO <sub>2</sub> emission from managed grassland and cornfield in southern Hokkaido, Japan
June 12(Thu)	15:30~16:20	P3-38	Key Processes and Factors to Mitigate Land Degradation	AF2543	Nicholas Dickinson	New Zealand	Lincoln Univesrity	Poster	Key processes in land degradation and restoration: the role of biological diversity
June 12(Thu)	15:30~16:20	P3-39	Key Processes and Factors to Mitigate Land Degradation	AF2640	Sadao Eguchi	Japan	National Institute for Agro-Environmental Sciences	Poster	Regional assessment-oriented mechanistic modeling and multi-site monitoring of water, carbon, and nitrogen dynamics in agricultural
June 12(Thu)	15:30~16:20	P3-40	Key Processes and Factors to Mitigate Land Degradation	AF2648	Atsushi Hayakawa	Japan	Akita Prefectural University	Poster	Biogeochemical processes of river sediments control a spatio-temporal variation of nutrient concentration at river mouths in the
June 12(Thu)	15:30~16:20	P3-41	Key Processes and Factors to Mitigate Land Degradation	AF2954	Maria Isabel Escobosa Garcia	Mexico	UNIVERSIDAD AUTONOMA DE BAJA CALIFORNIA &	Poster	EFFECT OF THE USE OF PAM (Poliacrylamide) IN CLAY SOILS TO PREVENT EROSION IN THE VALLEY OF MEXICALI, BAJA CALIFORNIA,
June 12(Thu)	15:30~16:20	P3-42	Key Processes and Factors to Mitigate Land Degradation	AF3128	Yasushi Mori	Japan	Okayama University	Poster	Artificial macropore installation in degraded soils for enhancing vertical infiltration to restore soil environment
June 12(Thu)	15:30~16:20	P3-43	Key Processes and Factors to Mitigate Land Degradation	AF2419	Dekui Niu	China	Jiangxi Agricultural University	Poster	The coupling effects of water and fertilizer on the Camellia oleifera growth and fruition
June 12(Thu)	15:30~16:20	P3-44	Key Processes and Factors to Mitigate Land Degradation	AF2645	Dekui Niu	China	Jiangxi Agricultural University	Poster	The Effects of Soil Water Retention for Meadow Degradation at Wugong Mountain
June 12(Thu)	15:30~16:20	P3-45	Key Processes and Factors to Mitigate Land Degradation	AF3044	Dekui Niu	China	Jiangxi Agricultural University	Poster	Soil and Water Loss Sensitivity Evaluation Based On GIS in Yudu County
June 12(Thu)	15:30~16:20	P3-46	Key Processes and Factors to Mitigate Land Degradation	AF3047	Dekui Niu	China	Jiangxi Agricultural University	Poster	Spatial distribution of soil P and its correlation with soil acidity in mountain meadow of WuGong Mountain
June 12(Thu)	15:30~16:20	P3-47	Nanotechnologies in Environmental Soil Science	AF0165	Samar Datta	India	IARI	Poster	Use of fertilizer loaded nanoclay-polymer composites (NCPs) for better nutrient recovery in different soils

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June 12(Thu)	15:30~16:20	P3-48	Nanotechnologies in Environmental Soil Science	AF1018	Jianming Li	China	College of Resource and Environment Science, Jilin	Poster	Preliminary study on self-assembly behavior of soil organo-mineral complex : Self-assembly of glycine-montmorillonite
June 12(Thu)	15:30~16:20	P3-49	Nanotechnologies in Environmental Soil Science	AF1142	Saerom Park	USA	Purdue University	Poster	Probing in-situ chemical reductive defluorination of perfluoroalkyl compounds in groundwater impacted by aqueous fire fighting foams
June 12(Thu)	15:30~16:20	P3-50	Nanotechnologies in Environmental Soil Science	AF2014	Ahmad Heidari	Iran	University of Tehran	Poster	Implementation nanoclays extracted from two soils with different mineralogy class to removal of heavy metals contaminants
June 12(Thu)	15:30~16:20	P3-51	Nanotechnologies in Environmental Soil Science	AF2561	Alberto Bernardi	Brazil	Embrapa	Poster	Potential of urea-aluminosilicate slow-release nanocomposites for controlling nitrous oxide and ammonia emissions
June 12(Thu)	15:30~16:20	P3-52	Nanotechnologies in Environmental Soil Science	AF2586	Aline Silverol	Brazil	Embrapa Instrumentation Center	Poster	Fourier transformer infrared spectroscopy and X ray diffraction in the characterization of organo-phosphate fertilizers obtained by
June 12(Thu)	15:30~16:20	P3-53	Nanotechnologies in Environmental Soil Science	AF2616	Manjaiah K.m.	India	IARI, New Delhi	Poster	Evaluation of Nanoclay Polymer Composites Loaded With Urea and Nitrification Inhibitors on Nitrification in Soil
June 12(Thu)	15:30~16:20	P3-54	Nanotechnologies in Environmental Soil Science	AF2641	Manjaiah K.m.	India	IARI, New Delhi	Poster	Development of Nano-clay Polymer Composites for Controlled Release of Metribuzin in Soils
June 12(Thu)	15:30~16:20	P3-55	Nanotechnologies in Environmental Soil Science	AK0506	Jae Gon Kim	Korea	Korea Institute of Geoscience and Mineral Resources	Poster	Adsorption of Arsenic (III) and Heavy Metals by Nano-composite of Fe and Mn Oxides
June 12(Thu)	15:30~16:20	P3-56	Nanotechnologies in Environmental Soil Science	AK0726	Yunchul Cho	Korea	Daejeon University	Poster	Removal of strontium from soil and groundwater by birnessite type-manganese oxides
June 12(Thu)	15:30~16:20	P3-57	Nanotechnologies in Environmental Soil Science	AK1801	Anitha Kunhikrishnan	Korea	National Academy of Agricultural Science, RDA	Poster	Sources, Distribution, Environmental Fate and Ecological Effects of Nanomaterials in Wastewater Streams
June 12(Thu)	15:30~16:20	P3-58	Nanotechnologies in Environmental Soil Science	AK2410	Mincheol Choi	Korea	Kyungpook National University	Poster	Layered silicate for removal/retrieval of harmful metal cations
June 12(Thu)	15:30~16:20	P3-59	Nanotechnologies in Environmental Soil Science	AK2422	Mincheol Choi	Korea	Kyungpook National University	Poster	Partial exfoliation of Na-4-mica on K exchange reaction
June 12(Thu)	15:30~16:20	P3-60	Advanced Technology on Soil Remediation in Mined Lands	AF0053	Alaa Zaghoul	Egypt	National Research Center	Poster	A kinetic approach for remediating PTEs in sewage soils using novel biotechnology
June 12(Thu)	15:30~16:20	P3-61	Advanced Technology on Soil Remediation in Mined Lands	AF0342	Li Lin	China	Changjiang River Scientific Research Institute	Poster	Microwave-enhanced reduction of Cr (VI) in contaminated soil
June 12(Thu)	15:30~16:20	P3-62	Advanced Technology on Soil Remediation in Mined Lands	AF0375	Olga Bezuglova	Russia	The Southern federal university	Poster	Accumulation and migration of heavy metals in soils of Rostov-on-Don city
June 12(Thu)	15:30~16:20	P3-63	Advanced Technology on Soil Remediation in Mined Lands	AF0377	Daniel Mirgorodsky	Germany	Friedrich Schiller University Jena	Poster	Field scale phytoremediation experiments on a former U mining site
June 12(Thu)	15:30~16:20	P3-64	Advanced Technology on Soil Remediation in Mined Lands	AF0909	Nuria Roca	Argentina	Universidad Nacional del Centro de la Provincia de	Poster	PHYTOREMEDIATION IN MINING ACTIVITIES
June 12(Thu)	15:30~16:20	P3-65	Advanced Technology on Soil Remediation in Mined Lands	AF0952	Zhongqiu Zhao	China	China University of Geosciences	Poster	Effects of Particle Sizes of Rock Phosphate on Heavy Metals Uptake by Lolium prene, L in Pb-Zn Mine Soils
June 12(Thu)	15:30~16:20	P3-66	Advanced Technology on Soil Remediation in Mined Lands	AF1003	Jeff Skousen	USA	West Virginia University	Poster	Determining a Constituent Release Index from Overburden Material using Laboratory Weathering Experiments
June 12(Thu)	15:30~16:20	P3-67	Advanced Technology on Soil Remediation in Mined Lands	AF1276	Suzanne Beauchemin	Canada	Natural Resources Canada	Poster	Rehabilitation of acidic mine tailings for biofuel production: from biosolids to biochar amendments
June 12(Thu)	15:30~16:20	P3-68	Advanced Technology on Soil Remediation in Mined Lands	AF1715	Xiaopeng Li	Canada	University of Alberta	Poster	Salt Migration and Salinity Exposure to Plants in Reclamation
June 12(Thu)	15:30~16:20	P3-69	Advanced Technology on Soil Remediation in Mined Lands	AF1859	Raul Zornoza	Spain	Universidad Politecnica de Cartagena	Poster	PHYTOSTABILIZATION AIDED WITH PIG SLURRY AND MARBLE WASTES SUCCESSFULLY RECLAIMS A BARE MINE SOIL
June 12(Thu)	15:30~16:20	P3-70	Advanced Technology on Soil Remediation in Mined Lands	AF1870	Jin Hee Park	Australia	University of Queensland	Poster	Environmental assessment of coal mine wastes for in-pit disposal of tailings
June 12(Thu)	15:30~16:20	P3-71	Advanced Technology on Soil Remediation in Mined Lands	AF1876	Stoyan Groudev	Bulgaria	University of Mining and Geology 'St. Ivan Rilski', Sofia	Poster	MICROBIAL REMOVAL OF TOXIC METALS FROM A HEAVILY POLLUTED SOIL BY MEANS OF A HEAP LEACHING SYSTEM

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June 12(Thu)	15:30~16:20	P3-72	Advanced Technology on Soil Remediation in Mined Lands	AF1964	Maria Manuela Abreu	Portugal	Universidade de Lisboa, Instituto Superior de	Poster	Potential environmental impact of the amendments application in sulfide mine wastes from Sao Domingos: assay of simulated leaching
June 12(Thu)	15:30~16:20	P3-73	Advanced Technology on Soil Remediation in Mined Lands	AF2000	Jaeyoung Choi	Korea	KIST	Poster	Adsorption of As(III) and As(V) from soil using acid mine drainage sludge (AMDS) mortar as a blocking adsorbent
June 12(Thu)	15:30~16:20	P3-74	Advanced Technology on Soil Remediation in Mined Lands	AF2003	Yanmei Chen	China	School of Environmental Science and Engineering, Sun	Poster	Phytoremediation of Pb Polluted Soil by Kenaf Assisted with PGPR
June 12(Thu)	15:30~16:20	P3-75	Advanced Technology on Soil Remediation in Mined Lands	AF2013	Yonghong Liu	China	Huazhong Agricultural University	Poster	Remediation of Cu-contaminated Soils with Modified Bentonite
June 12(Thu)	15:30~16:20	P3-76	Advanced Technology on Soil Remediation in Mined Lands	AF2045	Jaeyoung Choi	Korea	KIST	Poster	Removal of As(III) and As(V) using acid mine drainage sludge coated sand (AMDSCS) in aqueous phase
June 12(Thu)	15:30~16:20	P3-77	Advanced Technology on Soil Remediation in Mined Lands	AF2361	Xinju Li	China	Shandong Agricultural University of China	Poster	Effect of Different Machinery and Rolling Times on the Microbial Activity of Reclamation Soil in Coal Area
June 12(Thu)	15:30~16:20	P3-78	Advanced Technology on Soil Remediation in Mined Lands	AF2385	Mark Howell	Canada	University of Alberta	Poster	Reclamation of coarse textured soils following oil sands mining - implications of topsoil placement depths to microbial community
June 12(Thu)	15:30~16:20	P3-79	Advanced Technology on Soil Remediation in Mined Lands	AF2508	Jun Bai	China	School of Environmental Science and Engineering, Sun	Poster	Biosorption mechanisms involved in immobilization of soil Cu/Pb by Bacillus sp. DBM leading to their reduced uptake by rice in a multi-
June 12(Thu)	15:30~16:20	P3-80	Advanced Technology on Soil Remediation in Mined Lands	AF2570	Xue-Feng Hu	China	Shanghai University	Poster	Affects of wastewater discharges from mining areas on soil heavy metal pollution and enzyme activities in northern Hunan province,
June 12(Thu)	15:30~16:20	P3-81	Advanced Technology on Soil Remediation in Mined Lands	AF2582	Xue-Feng Hu	China	Shanghai University	Poster	Heavy metal pollution of the paddy fields in the mining sites and their effects on microbial biomass in Hunan province, Central South
June 12(Thu)	15:30~16:20	P3-82	Advanced Technology on Soil Remediation in Mined Lands	AF2848	Carmen Perez-Sirvent	Spain	University of Murcia	Poster	EVALUATION OF LIMESTONE -BASED REMEDIATION TECHNIQUE IN SEDIMENTS AFFECTED BY MINING ACTIVITIES
June 12(Thu)	15:30~16:20	P3-83	Advanced Technology on Soil Remediation in Mined Lands	AF2863	Carmen Perez-Sirvent	Spain	University of Murcia	Poster	ASSESSMENT OF THE SUITABILITY OF LIMESTONE-BASED REMEDIATION TECHNIQUE IN SEDIMENTS CONTAMINATED BY
June 12(Thu)	15:30~16:20	P3-84	Advanced Technology on Soil Remediation in Mined Lands	AK0282	Min-Suk Kim	Korea	Korea University	Poster	Effects of various amendments on heavy metal stabilization in acid and alkali soils
June 12(Thu)	15:30~16:20	P3-85	Advanced Technology on Soil Remediation in Mined Lands	AK0303	Jong-Un Lee	Korea	Chonnam National University	Poster	An antimionate-reducing bacterium isolated from Sb-contaminated sediment
June 12(Thu)	15:30~16:20	P3-86	Advanced Technology on Soil Remediation in Mined Lands	AK0944	Seung-Bum Roh	Korea	Korea Institute of Geoscience and Mineral Resources	Poster	Bioremediation of heavy metal contaminated mine impacted soil using plant extract
June 12(Thu)	15:30~16:20	P3-87	Advanced Technology on Soil Remediation in Mined Lands	AK0947	Min-Jeong Park	Korea	Korea Institute of Geoscience and Mineral	Poster	Bacterial community structure analysis for a heavy metal contaminated mine impacted soil remediation process
June 12(Thu)	15:30~16:20	P3-88	Advanced Technology on Soil Remediation in Mined Lands	AK0977	Trang Nguyen Huyen	Viet Nam	Heavy metals contamination in soil is a major globally	Poster	Stabilization of heavy metals in agricultural polluted soil using various amendments
June 12(Thu)	15:30~16:20	P3-89	Advanced Technology on Soil Remediation in Mined Lands	AK1133	Hyo-Taek Chon	Korea	Seoul National University (College of Engineering)	Poster	Detailed Remediation Study in Heavy Metals-Contaminated Site around the Abandoned Myeongbong Au Mine in Korea
June 12(Thu)	15:30~16:20	P3-90	Advanced Technology on Soil Remediation in Mined Lands	AK1136	Hyo-Taek Chon	Korea	Seoul National University (College of Engineering)	Poster	Heavy Metals Contamination and Remediation Method around the Abandoned Seoseong Au-Ag-Pb-Zn Mine in Korea
June 12(Thu)	15:30~16:20	P3-91	Advanced Technology on Soil Remediation in Mined Lands	AK1141	Hyo-Taek Chon	Korea	Seoul National University (College of Engineering)	Poster	Heavy Metals Contamination and Remediation Method around the Abandoned Namkyeongsang Au-Ag-Pb-Zn Mine in Korea
June 12(Thu)	15:30~16:20	P3-92	Advanced Technology on Soil Remediation in Mined Lands	AK1360	Hyungi Min	Korea	Korea University	Poster	Effects of soil amendment and uncontaminated soil covering on yield and heavy metal accumulation of Brassica campestris var.
June 12(Thu)	15:30~16:20	P3-93	Advanced Technology on Soil Remediation in Mined Lands	AK2234	Sang-Hwan Lee	Korea	MIRECO	Poster	Mining area soil reclamation in Korea
June 12(Thu)	15:30~16:20	P3-94	Advanced Technology on Soil Remediation in Mined Lands	AK2430	Chang Ku Park	Korea	Department of Energy & Mineral Resources	Poster	A study on manufacturing asbestos removal equipment of soils and its field applications
June 12(Thu)	15:30~16:20	P3-95	Advanced Technology on Soil Remediation in Mined Lands	AK2440	Sungwook Yun	Korea	Institute of Agriculture & Life Science, Gyeongsang	Poster	Release of Cd, Zn and Pb from alkaline soil nearby abandoned metal mine by rainfall and the treatment effect of limestone

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June 12(Thu)	15:30~16:20	P3-96	Advanced Technology on Soil Remediation in Mined Lands	AK2656	Jong-Un Lee	Korea	Chonnam National University	Poster	Study on in-situ stabilization of heavy metals through activation of indigenous bacteria in arable soil
June 12(Thu)	15:30~16:20	P3-97	Advanced Technology on Soil Remediation in Mined Lands	AK3190	Jae E. Yang	Korea	Kangwon National University	Poster	Neutralization of Acid Mine Drainage and Stabilization of Their Soluble Al by Treatment of Coal Fly Ash under Laboratory Conditions
June 12(Thu)	15:30~16:20	P3-98	Advanced Technology on Soil Remediation in Mined Lands	AK3196	Jae E. Yang	Korea	Kangwon National University	Poster	In-Situ Application of Coal Combustion Ash for Management of Acid Mine Drainage(AMD) from Coal Mine wastes in Korea
June 12(Thu)	15:30~16:20	P3-99	Advanced Technology on Soil Remediation in Mined Lands	AK3203	Keun Yook Chung	Korea	Chungbuk National University	Poster	Isolation and Identification of Bacteria capable of oxidizing As(III) to As(V) from As-contaminated soil
June 12(Thu)	15:30~16:20	P3-100	Advanced Technology on Soil Remediation in Mined Lands	AK3233	Sung Chul Kim	Korea	Chungnam National University	Poster	Determining Soil Quality Index (SQI) for Heavy Metal Contaminated Agricultural Field
June 12(Thu)	15:30~16:20	P3-101	Micromorphological Answers to Palaeopedological and	AF0096	David Weindorf	USA	Texas Tech University	Poster	Portable X-ray Fluorescence Spectrometry for Elemental Soil Characterization
June 12(Thu)	15:30~16:20	P3-102	Micromorphological Answers to Palaeopedological and	AF0115	Hamidreza Owliaie	Iran	Yasouj university	Poster	Micromorphology and genesis of a calcareous soil along a catena, Southern Iran
June 12(Thu)	15:30~16:20	P3-103	Micromorphological Answers to Palaeopedological and	AF0170	Olufunmilayo Ande	Nigeria	Institute of Agric. Research and Training, OAU, Ibadan,	Poster	Soil quality and variability assessment of Ultisols derived from sand stone in south western Nigeria
June 12(Thu)	15:30~16:20	P3-104	Micromorphological Answers to Palaeopedological and	AF0174	Sartji Taberima	Indonesia	State University of Papua, Manokwari - West Papua	Poster	Soil description and classification of Inactive Tailings After 13 years in Tailings Deposition Area, ModADA - Timika Papua
June 12(Thu)	15:30~16:20	P3-105	Micromorphological Answers to Palaeopedological and	AF0218	Zineb Hamel	Algeria	Chlef University	Poster	Determination of zones sensible to soil degradation under the effect of water by artificial neuron network.
June 12(Thu)	15:30~16:20	P3-106	Micromorphological Answers to Palaeopedological and	AF0531	Jude C. Obi	Nigeria	University of Uyo, Uyo	Poster	Pedogenic influence of particle size fractions on the properties of coastal plain sands soils of southeastern Nigeria
June 12(Thu)	15:30~16:20	P3-107	Micromorphological Answers to Palaeopedological and	AF1926	Bernard Okafor	Nigeria	National Horticultural Research Institute (NIHORT),	Poster	CHARACTERISATION, CLASSIFICATION AND EVALUATION OF SOME BASEMENT COMPLEX SOILS OF NIGERIA FOR MULTIPURPOSE USE
June 12(Thu)	15:30~16:20	P3-108	Micromorphological Answers to Palaeopedological and	AF2289	Feng Shuzhen	China	the Chinese Academy of Sciences	Poster	More important role of soil phylogenetic horizon than the topography on soil microbial biomass and abundance in Karst
June 12(Thu)	15:30~16:20	P3-109	Micromorphological Answers to Palaeopedological and	AF2736	Fatemeh Rahbar Alam Shirazi	Iran	Student of Yazd University , Iran	Poster	The role of soil evolution in erodibility of lithogenic sediments in Central Iran
June 12(Thu)	15:30~16:20	P3-110	Micromorphological Answers to Palaeopedological and	AF3227	Ulfiyah A. Rajamuddin	Indonesia	Tadulako University	Poster	PEDOGENESIS AND STAGE WEATHERING VERTIC HAPLUSTEPS DERIVED FROM ALLUVIALBASALDEPOSITS
June 12(Thu)	All day	Art Poster	Soil Health: Key to Food Security-art		Nance Klehm				
June 12(Thu)	15:30~16:20	P3-111	Soil Health: Key to Food Security	AF0031	Yeshanew Ashagrie Abitew	Ethiopia	Organization for Rehabilitation and	Poster	Soil microbial biomass and mineralizable C and N associated with water-stable aggregates after conversion of a native forest into
June 12(Thu)	15:30~16:20	P3-112	Soil Health: Key to Food Security	AF0032	Pandi Zdruli	Italy	CIHEAM Mediterranean Agronomic Institute of Bari	Poster	The New World Atlas of Desertification: Soil is slipping away.....We can stop it!
June 12(Thu)	15:30~16:20	P3-113	Soil Health: Key to Food Security	AF0043	Uttam C. Sharma	India	Centre for Natural Resources Management	Poster	Socio-cultural aspect of soil management for resource and environment conservation: 'Zabo' ? an unique indigenous system of
June 12(Thu)	15:30~16:20	P3-114	Soil Health: Key to Food Security	AF0101	Mohammad Altaf Hossain	Bangladesh	Soil Resource Development Institute	Poster	Increasing productivity through promoting balanced fertilizer use in Bangladesh
June 12(Thu)	15:30~16:20	P3-115	Soil Health: Key to Food Security	AF0104	Olayinka Nwachukwu	Nigeria	Michael Okpara University of Agriculture, Umudike, Nigeria	Poster	Impact of Selected Industries on soil and groundwater in Abia State, Nigeria
June 12(Thu)	15:30~16:20	P3-116	Soil Health: Key to Food Security	AF0129	Apolinario Jr Gonzaga	Philippines	MISAMIS ORIENTAL STATE COLLEGE OF AGRICULTURE	Poster	Influence of Conservation Agriculture Practice Systems (CAPS) to Soil Properties in a Sloping oxisol in Southern Philippines
June 12(Thu)	15:30~16:20	P3-117	Soil Health: Key to Food Security	AF0149	Nanthi Bolan	Australia	University of South Australia	Poster	Sustaining soil health to produce quality food
June 12(Thu)	15:30~16:20	P3-118	Soil Health: Key to Food Security	AF0162	Kayode Are	Nigeria	Institute of Agricultural Research and Training	Poster	Changes in soil physical health of an eroded land as affected by vegetative buffer strips and vegetal mulch cover

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Date	Time	Code-N	Session	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 12(Thu)	15:30~16:20	P3-119	Soil Health: Key to Food Security	AF0235	Osadebamwen Osemwota	Nigeria	Ambrose Alli University, Department of Soil Science,	Poster	EFFECT OF VARIATION IN NITROGEN AND POTASSIUM RATIO (N:K) IN SOIL ON THE YIELD, YIELD COMPONENTS AND SHELF LIFE OF
June 12(Thu)	15:30~16:20	P3-120	Soil Health: Key to Food Security	AF0290	Pieter Swanepoel	South Africa	Western Cape Department of Agriculture	Poster	A qualitative comparison of a sandy Podzol under high-input kikuyu-based pasture and native fynbos vegetation
June 12(Thu)	15:30~16:20	P3-121	Soil Health: Key to Food Security	AF0308	Md Kamal Uddin <a href="http://www.mic">http://www.mic</a>	Bangladesh	University Putra Malaysia	Poster	Proximate mineral composition of purslane ( <i>Portulca oleracea</i> L.) in response to salinity
June 12(Thu)	15:30~16:20	P3-122	Soil Health: Key to Food Security	AF0327	Alan Franzluebbers	USA	USDA-Agricultural Research Service	Poster	Flush of CO <sub>2</sub> as a Biologically Based Tool to Predict Nitrogen Mineralization from Soil
June 12(Thu)	15:30~16:20	P3-123	Soil Health: Key to Food Security	AF0329	Mohammad H. Golabi	USA	University of Guam	Poster	Soil management strategy for enhancing soil quality for higher and better crop yields'
June 12(Thu)	15:30~16:20	P3-124	Soil Health: Key to Food Security	AF0372	Charles Asadu	Nigeria	Unversity of Nigeria, Nsukka	Poster	Comparison of Soil Nutrient Recovery After Seven-Year Fallow in Ultisol Grown to Cassava-Pigeon Pea Based Systems for Seven Years
June 12(Thu)	15:30~16:20	P3-125	Soil Health: Key to Food Security	AF0431	Pancheewan Ponphang-Nga	Thailand	kasetsart University Chalermphrakiat Sakon	Poster	Development the Quality of Organic Fertilizers from Chicken Manure by Using Biochar
June 12(Thu)	15:30~16:20	P3-126	Soil Health: Key to Food Security	AF0451	Yonggang Xu	China	The Institute of Applied Ecology , Chinese Academy	Poster	Potential risk of cadmium in soil-plant system as a result of long-term (10 yr) pig manure application
June 12(Thu)	15:30~16:20	P3-127	Soil Health: Key to Food Security	AF0455	Zahir Zahir	Pakistan	University of Agriculture, Faisalabad	Poster	Efficiency of combined application of rhizobia and PGPR containing ACC-deaminase for promoting growth of legumes on marginal lands
June 12(Thu)	15:30~16:20	P3-128	Soil Health: Key to Food Security	AF0472	A Subba Rao	India	Indian Institute of Soil Science	Poster	Enhanced soil health for sustaining higher productivity and food security in India
June 12(Thu)	15:30~16:20	P3-129	Soil Health: Key to Food Security	AF0487	Surekha Kuchi	India	Directorate of Rice Research	Poster	Evaluation of Soil health, Sustainability index, Carbon sequestration potential and Productivity under Organic and Conventional Rice
June 12(Thu)	15:30~16:20	P3-130	Soil Health: Key to Food Security	AF0510	Ying Wang	China	Institute of Soil Fertilizer and Environmental Resources,	Poster	The effect of organic biogas slurry nutrient solution on the contents of soluble sugar and vitamin C in vegetables
June 12(Thu)	15:30~16:20	P3-131	Soil Health: Key to Food Security	AF0606	Ma Rosnah Rubenecia	Korea	Kyungpook National University	Poster	Microbial and biochemical properties of soils from several production areas of <i>Platycodon grandiflorum</i> A. D.C. and <i>Panax</i>
June 12(Thu)	15:30~16:20	P3-132	Soil Health: Key to Food Security	AF0686	Mahdi Sadeghi Pour Marvi	Iran	University of Tehran	Poster	Nitrogen Simple Effect on Agronomic Charasteristics of Lettuce & Spinach
June 12(Thu)	15:30~16:20	P3-133	Soil Health: Key to Food Security	AF0745	Laosheng Wu	USA	University of California, Riverside/Zhejiang University	Poster	Assessing the environmental risk of contaminants of emerging concern in fields receiving reclaimed wastewater
June 12(Thu)	15:30~16:20	P3-134	Soil Health: Key to Food Security	AF0772	Chun Song	China	Sichuan Agricultural University	Poster	A productive maize-soybean relay intercropping system for food production and soil fertility in Southwest China
June 12(Thu)	15:30~16:20	P3-135	Soil Health: Key to Food Security	AF0861	Shamie Zingore	Kenya	International Plant Nutrition Institute	Poster	Analysis of maize production intensification strategies for heterogeneous smallholder farms in Kenya and Zimbabwe
June 12(Thu)	15:30~16:20	P3-136	Soil Health: Key to Food Security	AF0863	Shamie Zingore	Kenya	International Plant Nutrition Institute	Poster	Influence of farmer management practices on soil fertility, maize production intensificivity and the role of cattle manure in recovery of
June 12(Thu)	15:30~16:20	P3-137	Soil Health: Key to Food Security	AF0941	Michelle Castillo	Philippines	Philippine Rice Research Institute	Poster	Managing Rice Residues and Fertilization to Improve Nutrient Use and Productivity of Irrigated Lowland Rice
June 12(Thu)	15:30~16:20	P3-138	Soil Health: Key to Food Security	AF1021	Raghupathi Matheyarasu	Australia	UniSA, CERAR, CRC-CARE	Poster	A Comparison of crop response and biomass yield of four different crops irrigated with abattoir wastewater
June 12(Thu)	15:30~16:20	P3-139	Soil Health: Key to Food Security	AF1039	Chand Subhash	India	SKUAST-K,Shalimar,FOA,Wadura,Sopo	Poster	Effect of Integrated Nutrient Management on Yield of Brown Sarson ( <i>Brassica rapa</i> L.) And Post harvest Physico-Chemical Properties in
June 12(Thu)	15:30~16:20	P3-140	Soil Health: Key to Food Security	AF1123	Yui Osanai	Australia	University of Western Sydney	Poster	The impacts of extreme weather events on crop productivity and soil fertility under future climate
June 12(Thu)	15:30~16:20	P3-141	Soil Health: Key to Food Security	AF1300	Boris Vrbek	Croatia	Croatian Forest Research Institute	Poster	CHEMICAL AND PHYSICAL CONDITIONS OF SILT IN CAVES AND PITS OF DINARIC KARST IN CROATIA
June 12(Thu)	15:30~16:20	P3-142	Soil Health: Key to Food Security	AF1320	Sun Baoli	China	caas	Poster	Leaching behavior of chlorpyrifos and its main metabolite TCP through 5 types of soil columns in laboratory conditions

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June 12(Thu)	15:30~16:20	P3-143	Soil Health: Key to Food Security	AF1488	Jiachun Shi	China	Zhejiang University	Poster	Source apportionment of lead and cadmium in cropland near a contaminated site: A combined approach of positive matrix
June 12(Thu)	15:30~16:20	P3-144	Soil Health: Key to Food Security	AF1498	Marco Nocita	Italy	Joint Research Centre - European Commission	Poster	soil spectroscopy: the present of soil monitoring to accomplish food security
June 12(Thu)	15:30~16:20	P3-145	Soil Health: Key to Food Security	AF1523	Samson Ogunjinmi	Nigeria	oyo state college of Agriculture,Igboora	Poster	Growth, yield and physiology of fluted pumpkin (Telfaria occidentalis) planted on heavy metal contaminated soil in response
June 12(Thu)	15:30~16:20	P3-146	Soil Health: Key to Food Security	AF1532	Igor Hadjamberdiev	Kyrgyzstan	Toxic Action network Central Asia	Poster	IRRIGATED LANDS AND FOOD SECURITY IN CENTRAL ASIA
June 12(Thu)	15:30~16:20	P3-147	Soil Health: Key to Food Security	AF1558	Michaud Aurelia	France	INRA	Poster	French national network devoted to ensure durable recycling of organic residues in agriculture: field experiment network,
June 12(Thu)	15:30~16:20	P3-148	Soil Health: Key to Food Security	AF1560	Paul Hallett	United Kingdom	University of Aberdeen	Poster	Temporal dynamics of soil physical conditions for crop growth under a range of tillage practices and the impact on the performance of
June 12(Thu)	15:30~16:20	P3-149	Soil Health: Key to Food Security	AF1623	Juergen Esperschuetz	New Zealand	Lincoln University New Zealand	Poster	Phytomanagement of biosolids-amended soil
June 12(Thu)	15:30~16:20	P3-150	Soil Health: Key to Food Security	AF1683	Brajesh Singh	Australia	University of Western Sydney	Poster	Developing a National framework to evaluate indicators for soil health monitoring
June 12(Thu)	15:30~16:20	P3-151	Soil Health: Key to Food Security	AF1741	Pankaj Trivedi	Australia	UNIVERSITY OF WESTERN SYDNEY	Poster	Identifying microbial drivers and key modulators of soil health in grain cropping systems
June 12(Thu)	15:30~16:20	P3-152	Soil Health: Key to Food Security	AF1856	Tawatchai Inboonchuay	Thailand	Kasetsart University	Poster	Amounts of heavy metals in paddy soils of the Khorat Basin, Northeast Thailand
June 12(Thu)	15:30~16:20	P3-153	Soil Health: Key to Food Security	AF2123	Manuela Inacio	Portugal	University of Aveiro	Poster	CONCENTRATIONS OF METALS AND METALLOIDS IN DIFFERENT SIZE FRACTIONS OF CONTAMINATED PODZOLS AND THEIR
June 12(Thu)	15:30~16:20	P3-154	Soil Health: Key to Food Security	AF2139	Cassio Hamilton Abreu-Junior	Brazil	Center for Nuclear Energy in Agriculture - CENA/USP	Poster	Effects on Ag, Be, Co, Hg, Sb, Th, Tl, U and V in Sugarcane from Application of Sewage Sludge in a Tropical Soil
June 12(Thu)	15:30~16:20	P3-155	Soil Health: Key to Food Security	AF2196	Esra Arslan	Turkey	Ataturk University	Poster	Effects of Chromium Nitrate on Phytohormone Content and Mitotic Activity in Maize (Zea mays L.) Seedlings
June 12(Thu)	15:30~16:20	P3-156	Soil Health: Key to Food Security	AF2375	Dong Zhuo	China	China Agricultural University	Poster	Assessing environmental risks of China's intensive agricultural land-use systems: a case study in Dongting Lake basin
June 12(Thu)	15:30~16:20	P3-157	Soil Health: Key to Food Security	AF2517	Danilo Guinto	Western Samoa	University of the South Pacific	Poster	Soil chemical health assessment of taro soils of Samoa
June 12(Thu)	15:30~16:20	P3-158	Soil Health: Key to Food Security	AF2578	Lynette Abbott	Australia	The University of Western Australia	Poster	Assessing economic benefits of arbuscular mycorrhizal fungi as a universal indicator of soil health
June 12(Thu)	15:30~16:20	P3-159	Soil Health: Key to Food Security	AF2647	Ali Volkan Bilgili	Turkey	Harran University	Poster	Assessing the Qualities of Soils in Different Soil Series Using Scoring Functions and Geostatistical Methods in the Harran Plain,
June 12(Thu)	15:30~16:20	P3-160	Soil Health: Key to Food Security	AF2697	Jianwu Li	China	Zhejiang Provincial Key Laboratory of Carbon Cycling	Poster	Soil contamination with heavy metals and its impact on food security in China
June 12(Thu)	15:30~16:20	P3-161	Soil Health: Key to Food Security	AF2702	Matthias Leopold	Australia	University of Western Australia	Poster	Mechanisms of non-wetting soils under laboratory conditions
June 12(Thu)	15:30~16:20	P3-162	Soil Health: Key to Food Security	AF2726	Chuleemas Boonthai Iwai	Thailand	Khon Kaen University	Poster	VERMICULTURE TECHNOLOGY: AN ECO-TOOL IN SUSTAINABLE AGROINDUSTRIAL WASTE MANAGEMENT AND REMEDIATION OF
June 12(Thu)	15:30~16:20	P3-163	Soil Health: Key to Food Security	AF2792	Xue-Feng Hu	China	Shanghai University	Poster	Influences of different fertilization on the accumulation of nitrate nitrogen in swamp cabbage and soil enzyme activity
June 12(Thu)	15:30~16:20	P3-164	Soil Health: Key to Food Security	AF2850	Anil Kumar Singh	India	RVS Agriculture University	Poster	SEARCH FOR A UNIVERSAL SOIL QUALITY INDEX
June 12(Thu)	15:30~16:20	P3-165	Soil Health: Key to Food Security	AF3090	Byung-Jun Park	Korea	National Academy of Agricultural Science(NAAS),	Poster	Long-term monitoring of pesticide residues in paddy, upland and orchard soils in Korea
June 12(Thu)	15:30~16:20	P3-166	Soil Health: Key to Food Security	AF3176	Chakpram Birendrajit	India	College of Agricultural Engineering & Post Harvest	Poster	Status of zinc and iron content in different rice genotypes (grain and straw) and rice growing soils across different agro climatic zones of

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June 12(Thu)	15:30~16:20	P3-167	Soil Health: Key to Food Security	AF3326	Quintino Araujo	Brazil	Cocoa Research Center / Ceplac and State University	Poster	Qualitative Attributes of Soil and Cocoa Forastero in Bahia, Brazil
June 12(Thu)	15:30~16:20	P3-168	Soil Health: Key to Food Security	AK1129	Byeong Sung Yoon	Korea	Gangwon Provincial Agricultural Research &	Poster	Investigation of Heavy Metal Concentrations in Upland Soils of Gangwon Province in Korea.
June 12(Thu)	15:30~16:20	P3-169	Soil Health: Key to Food Security	AK1199	Jeongsik Park	Korea	Korea Testing and Research Institute	Poster	Response of lettuce to Cadmium exposure at different growth stage
June 12(Thu)	15:30~16:20	P3-170	Soil Health: Key to Food Security	AK2967	Sang-Beom Lee	Korea	National Academy of Agricultural Science	Poster	Impact of copper and rotenone on seedling growth of chinese cabbage and the soil activity
June 12(Thu)	15:30~16:20	P3-171	Soil Health: Key to Food Security	AK3092	Yoo Hak Kim	Korea	Division of Soil and Fertilizer, National Academy of	Poster	Proper Ranges of Soil pH and pe for Crop Growth
June 12(Thu)	All day	Art Poster	Soil Data, Spatial information Systems and Interpretation Procedures-art		Future Farmers				
June 12(Thu)	15:30~16:20	P3-172	Soil Data, Spatial information Systems and Interpretation Procedures	AF0028	Khaled Mohamed Darwish	Egypt	City for Scintific Research and Technology Applications	Poster	Land Resources Assessment for Agricultural Use in Some Areas West of Nile Delta, Egypt
June 12(Thu)	15:30~16:20	P3-173	Soil Data, Spatial information Systems and Interpretation Procedures	AF0076	Yongcun Zhao	China	Institute of Soil Science, Chinese Academy of	Poster	Uncertainty assessment for mapping changes in soil organic matter using sparse legacy soil data and dense new-measured data in a
June 12(Thu)	15:30~16:20	P3-174	Soil Data, Spatial information Systems and Interpretation Procedures	AF0161	Fouad Al-Kaabi	Australia	The University of Queensland	Poster	Origin and distribution of the gypsiferous soil in Iraq
June 12(Thu)	15:30~16:20	P3-175	Soil Data, Spatial information Systems and Interpretation Procedures	AF0286	Sumbangan Baja	Indonesia	Hasanuddin University	Poster	Assessment of Land Suitability and Availability for Food Crop Development Using a Fuzzy Set Approach in GIS
June 12(Thu)	15:30~16:20	P3-176	Soil Data, Spatial information Systems and Interpretation Procedures	AF0341	Josua Louw	South Africa	Nelson Mandela Metropolitan University	Poster	The value of soil information for the development of a national forest site classification system.
June 12(Thu)	15:30~16:20	P3-177	Soil Data, Spatial information Systems and Interpretation Procedures	AF0398	Jiguang Zhang	China	Tobacco Research Institute of Chinese Academy of	Poster	Spatial distribution and influencing factor of soil moisture in typical depression area of karst region
June 12(Thu)	15:30~16:20	P3-178	Soil Data, Spatial information Systems and Interpretation Procedures	AF0806	Andrea Vacca	Italy	University of Cagliari	Poster	The "Land Unit and Soil Capability Map of Sardinia (Italy)" at a 1:50,000 scale: the pilot area of Pula-Capoterra
June 12(Thu)	15:30~16:20	P3-179	Soil Data, Spatial information Systems and Interpretation Procedures	AF0880	Sudeepta Patra	India	Banasthali University, India	Poster	Information Technology-based Nutrient Management for Higher Crop Production in India
June 12(Thu)	15:30~16:20	P3-180	Soil Data, Spatial information Systems and Interpretation Procedures	AF0897	Azinwi Primus Tamfuh	Cameroon	University of Yaounde 1	Poster	Petrological and analytical characterization of the Benue watershed topomorphic vertisols of North Cameroon: spatial analysis and
June 12(Thu)	15:30~16:20	P3-181	Soil Data, Spatial information Systems and Interpretation Procedures	AF0915	Simon Proust	Australia	Consultant	Poster	SOILS MONITORING AS AN EXTENSION TOOL
June 12(Thu)	15:30~16:20	P3-182	Soil Data, Spatial information Systems and Interpretation Procedures	AF0988	Michael Robotham	USA	USDA Natural Resources Conservation Service	Poster	Modernizing Soil Interpretations for Changing Needs
June 12(Thu)	15:30~16:20	P3-183	Soil Data, Spatial information Systems and Interpretation Procedures	AF1054	Konstantin Baykov	Russia	Institute of Soil Science and Agrochemistry	Poster	Circus method for modelling soil distribution on hydrothermic gradients
June 12(Thu)	15:30~16:20	P3-184	Soil Data, Spatial information Systems and Interpretation Procedures	AF1312	Hongtu Xie	China	Institute of Applied Ecology,CAS	Poster	Soil classification using near infrared spectroscopy and GA-PLSDA procedure
June 12(Thu)	15:30~16:20	P3-185	Soil Data, Spatial information Systems and Interpretation Procedures	AF1328	Dongsheng Yu	China	Chinese Academy of Sciences	Poster	Priority selection rating of sampling density and interpolation method for detecting the spatial variability of soil organic carbon
June 12(Thu)	15:30~16:20	P3-186	Soil Data, Spatial information Systems and Interpretation Procedures	AF1402	Einar Eberhardt	Germany	Federal Institute for Geosciences and Natural	Poster	Improving identification and description of horizon boundaries to enhance soil data quality
June 12(Thu)	15:30~16:20	P3-187	Soil Data, Spatial information Systems and Interpretation Procedures	AF1429	Saeedeh Marzvan	Iran	giulan university	Poster	Spatial behavior of soil properties on different tillage management (case study; a semiarid region, Iran)
June 12(Thu)	15:30~16:20	P3-188	Soil Data, Spatial information Systems and Interpretation Procedures	AF1546	Andrew John Nolan	United Kingdom	James Hutton Institute	Poster	Sustainable forestry: the imperative of soil mapping in forest resource inventory, modelling and management in Scotland, UK
June 12(Thu)	15:30~16:20	P3-189	Soil Data, Spatial information Systems and Interpretation Procedures	AF1891	Oleg Reshotkin	Russia	Institute of Physicochemical and Biological Problems in	Poster	Soil Climate Parameters of Russia: A Cartographic Analysis

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June 12(Thu)	15:30~16:20	P3-190	Soil Data, Spatial information Systems and Interpretation Procedures	AF1963	Marta Ottoni	Brazil	Geological Survey of Brazil	Poster	Hydrophysical Database for Brazilian Soils: Challenges and Perspectives
June 12(Thu)	15:30~16:20	P3-191	Soil Data, Spatial information Systems and Interpretation Procedures	AF2131	Manuela Inacio	Portugal	University of Aveiro	Poster	Baselines for near-total and bioavailable macro and micronutrients in topsoils of Continental Portugal
June 12(Thu)	15:30~16:20	P3-192	Soil Data, Spatial information Systems and Interpretation Procedures	AF2159	Gerardo Besga	Spain	NEIKER-Instituto Vasco de Investigacion y Desarrollo	Poster	ENVIRONMENTAL INDICATORS AS A TOOL FOR IMPROVING SOIL AND CROP MANAGEMENT IN CEREAL CROPPING SYSTEMS
June 12(Thu)	15:30~16:20	P3-193	Soil Data, Spatial information Systems and Interpretation Procedures	AF2195	Fahimeh Khoramizadeh	Iran	Soil Science Society of Iran	Poster	Evaluating the effects of interpolation method and sample size on accuracy of spatial variability of soil variables and reducing sampling
June 12(Thu)	15:30~16:20	P3-194	Soil Data, Spatial information Systems and Interpretation Procedures	AF2222	Sarah Jane Hill	Australia	The University of Newcastle	Poster	Using GIS in soil science: a framework for use of digital spatial data in agronomic studies
June 12(Thu)	15:30~16:20	P3-195	Soil Data, Spatial information Systems and Interpretation Procedures	AF2423	Fan Yang	China	Institute of Soil Science, Chinese Academy of	Poster	The soils of the upper reach of the Heihe River Basin in relation to aeolian dust
June 12(Thu)	15:30~16:20	P3-196	Soil Data, Spatial information Systems and Interpretation Procedures	AF2455	Bhavitha N. C.	India	UAS Bangalore	Poster	Available micronutrients (Zn, Cu, Fe, Mn and B) status and their relationship with soil properties in soils of Krishnarajpet taluk
June 12(Thu)	15:30~16:20	P3-197	Soil Data, Spatial information Systems and Interpretation Procedures	AF2684	Porntip Phontusang	Thailand	Land Resources and Environment section,Fac. of	Poster	Spatial variability of Electrical Conductivity of salt-affected soils in Northeast Thailand.
June 12(Thu)	15:30~16:20	P3-198	Soil Data, Spatial information Systems and Interpretation Procedures	AF2699	Renzhao Mao	China	Center for Agricultural Resources Research, Institute	Poster	The Spatial Variability of Soil Heavy Metals in Xinji County, North China Plain
June 12(Thu)	15:30~16:20	P3-199	Soil Data, Spatial information Systems and Interpretation Procedures	AF2896	Borut Vrscaj	Slovenia	Agricultural Institute of Slovenia	Poster	Web tools for soil data interpretation for urban planning and management
June 12(Thu)	15:30~16:20	P3-200	Soil Data, Spatial information Systems and Interpretation Procedures	AF3321	Antonello Bonfante	Italy	National Research Council of Italy - CNR	Poster	A Web-Based Spatial Decision Supporting System (S-DSS) for Landscape Sustainable Management: the LIFE+ SOILCONSWEB
June 12(Thu)	15:30~16:20	P3-201	Soil Data, Spatial information Systems and Interpretation Procedures	AK1190	Byung-Joon Jung	Korea	National Academy of Agricultural Science	Poster	Spatiotemporal changes in farmland flooding and soil series distribution characteristics in Korea
June 12(Thu)	15:30~16:20	P3-202	Soil Data, Spatial information Systems and Interpretation Procedures	AK2281	Seung Woo Lee	Korea	Korea Forestry Promotion Institute	Poster	Historical Development and Utilization of Forest Soil Information in Korea
June 12(Thu)	15:30~16:20	P3-203	Soil Data, Spatial information Systems and Interpretation Procedures	AK3242	Suk Young Hong	Korea	National Academy of Agricultural Science (NAAS),	Poster	Soil data, information system and its interpretation in Korea
June 12(Thu)	15:30~16:20	P3-204	Soil Data, Spatial information Systems and Interpretation Procedures	AF3351	Abdelaziz Belal	Egypt	National Authority for Remote Sensing and Space	Poster	Using Remote Sensing and Spatial Modeling Approaches for Land Evaluation in Dry Wadis, Eastern Desert, Egypt
June 12(Thu)	15:30~16:20	P3-205	The Progress in Development and Harmonization of Soil Classifications	AF0139	Abayomi Fasina	Nigeria	Ekiti State University, Ado-Ekiti, Nigeria	Poster	Properties, Genesis, Classification and Sustainable Management of Soils from Ijebu East, South western Nigeria.
June 12(Thu)	15:30~16:20	P3-206	The Progress in Development and Harmonization of Soil Classifications	AF0514	Alexandra Nikiforova	Russia	Moscow Lomonosov State University	Poster	World soil classification, the systems approach, and multiscale GIS mapping
June 12(Thu)	15:30~16:20	P3-207	The Progress in Development and Harmonization of Soil Classifications	AF0642	Boris Pshenichnikov	Russia	Far Eastern Federal University	Poster	Classification of Maritime Burozems of the Souther Far East of Russia
June 12(Thu)	15:30~16:20	P3-208	The Progress in Development and Harmonization of Soil Classifications	AF1444	Stjepan Husnjak	Croatia	University of Zagreb Faculty of Agriculture	Poster	Correlation of Gley Soils Classified According to the Croatian Soil Classification With the WRB
June 12(Thu)	15:30~16:20	P3-209	The Progress in Development and Harmonization of Soil Classifications	AF1476	Nina Pshenichnikova	Russia	Pacific Institute of Geography FEB RAS	Poster	Problems of Nomenclature Correlation and Soil Classification in Amur River Basin
June 12(Thu)	15:30~16:20	P3-210	The Progress in Development and Harmonization of Soil Classifications	AF2018	Marta Fuchs	Hungary	Szent Istvan University	Poster	Suggestion for modification of the setting of salt affected soils in the new WRB classification key
June 12(Thu)	15:30~16:20	P3-211	The Progress in Development and Harmonization of Soil Classifications	AF2121	Jutom Ongkosing	Malaysia	UNIVERSITI MALAYSIA SABAH	Poster	Characteristics and Classification of Soils in Sabah, Malaysia, Borneo.
June 12(Thu)	15:30~16:20	P3-212	The Progress in Development and Harmonization of Soil Classifications	AF2942	Piotr Bilski	Poland	Warsaw University of Life Sciences	Poster	Conceptual clustering for the geotechnical data analysis
June 12(Thu)	15:30~16:20	P3-213	The Progress in Development and Harmonization of Soil Classifications	AF2994	Bing Ju	China	Chinese University of Geosciences(Beijing)	Poster	Research of Pedogenetic Features and Classified Characterization of Calcification process in Ustic Cambosols Take Ustic Cambosols in

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June 12(Thu)	15:30~16:20	P3-214	The Progress in Development and Harmonization of Soil Classifications	AF3085	Jaroslav Kurek	Poland	Warsaw University of Life Sciences	Poster	Automatic computer estimation of geotechnical soil profile based on CPT and DMT probes
June 12(Thu)	15:30~16:20	P3-215	The Progress in Development and Harmonization of Soil Classifications	AF3312	Bipin Bihari Mishra	India	Bihar Agricultural University, Sabour 813210, India	Poster	Indian System of Soil Classification Scheme: A Proposed Framework
June 12(Thu)	15:30~16:20	P3-216	The Progress in Development and Harmonization of Soil Classifications	AF0216	Li Liu	China	College of Forestry in Sichuan Agricultural	Poster	Diagnostic Characteristics and Classification of Sub-Alpine Fir Forests Soils from Western China
June 12(Thu)	15:30~16:20	P3-217	Quantifying Evaporative Fluxes from Terrestrial Surfaces	AF0023	Oscar Ferreira Catrileo	Honduras	Universidad Nacional de Agricultura	Poster	Relationship between physical and chemical soil characteristics and greenhouse gases emission in an indigenous agroforestry system in
June 12(Thu)	15:30~16:20	P3-218	Quantifying Evaporative Fluxes from Terrestrial Surfaces	AF0420	Juergen Mueller	Germany	Thuenen Institute of Forest Ecosystems	Poster	Lysimeter use to evaluate drought effects on water consumption and growth of trees
June 12(Thu)	15:30~16:20	P3-219	Quantifying Evaporative Fluxes from Terrestrial Surfaces	AF1598	Li Wang	China	Northwest A&F University	Poster	Characteristics of stem sap flow of apple trees in the Loess Tableland
June 12(Thu)	15:30~16:20	P3-220	Quantifying Evaporative Fluxes from Terrestrial Surfaces	AF1919	Andre Peters	Germany	TU Berlin	Poster	Separating evapotranspiration and precipitation from noise - a new filter routine for high resolution lysimeter data
June 12(Thu)	15:30~16:20	P3-221	Quantifying Evaporative Fluxes from Terrestrial Surfaces	AF1935	Andre Peters	Germany	TU Berlin	Poster	Simple consistent models for water retention and hydraulic conductivity in the complete moisture range
June 12(Thu)	15:30~16:20	P3-222	Quantifying Evaporative Fluxes from Terrestrial Surfaces	AK1252	Yeong-Sang Jung	Korea	Kangwon National University	Poster	Trends of soil evaporation over the past 30 years in South Korea
June 12(Thu)	All day	Art Poster	Hydro-Ecological Observatories and Advances in Soil Measurements and		Maria Michails				
June 12(Thu)	15:30~16:20	P3-223	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF0762	Henrike Mielenz	Australia	CSIRO	Poster	Water retention characteristics of soils over the whole moisture range: Evaluation and comparison of laboratory methods
June 12(Thu)	15:30~16:20	P3-224	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF0798	Wolfgang Schaaf	Germany	Brandenburg University of Technology	Poster	The constructed catchment 'Chicken Creek' as a tool to disentangle feedbacks between soils, surface structures, vegetation and
June 12(Thu)	15:30~16:20	P3-225	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF0900	Indika Herath	Sri Lanka	Coconut Research Institute	Poster	Using water footprinting to reduce the impact of the use of agricultural water and agrichemicals on water resources
June 12(Thu)	15:30~16:20	P3-226	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF0901	Xiaoyang Peng	China	China Agricultural University	Poster	Self-Calibrating Heat Flux Plate Improves Measurement of Soil Heat Flux Density
June 12(Thu)	15:30~16:20	P3-227	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF1232	Ali Khorasani	Iran	Radiation Application Research School	Poster	Comparison of Time Domain Reflectometry, Capacitance Methods and Neutron Scattering in Soil Moisture Measurements
June 12(Thu)	15:30~16:20	P3-228	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF1257	Agnieszka Szyplowska	Poland	Institute of Agrophysics, Polish Academy of Sciences	Poster	Influence of soil electrical conductivity and dielectric dispersion parameters on time-amplitude characteristics of TDR reflectograms
June 12(Thu)	15:30~16:20	P3-229	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF1267	Anna Nakonieczna	Poland	Institute of Agrophysics, Polish Academy of Sciences	Poster	Porous ceramic plate sensor for effective non-rainfall TDR measurements
June 12(Thu)	15:30~16:20	P3-230	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF1308	Douglas Cobos	USA	Decagon Devices	Poster	Errors and improvements in thermogravimetric measurement of soil water content
June 12(Thu)	15:30~16:20	P3-231	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF1547	Joerg Voelkel	Germany	Technische Universitaet Muenchen TUM	Poster	TUM Critical Zone Observatory
June 12(Thu)	15:30~16:20	P3-232	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF1732	Pei Zhao	China	Institute of Mountain Hazards and	Poster	The mechanism of subsurface flow generation at a hillslope farmland of Entisol, SW China
June 12(Thu)	15:30~16:20	P3-233	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF1811	Leila Rezaee	Iran	rice research institute of iran(RRII)	Poster	The evaluation of soil hydraulic conductivity using fractal dimension of soil particle size distribution and geostatistics
June 12(Thu)	15:30~16:20	P3-234	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF1830	Ying Zhao	China	College of Natural Resources and Environment	Poster	Soil Freezing and Thawing Processes of Three Landscapes in the Middle Reaches of Heihe River Basin, China
June 12(Thu)	15:30~16:20	P3-235	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF1914	Guan Xhuan Wong	Malaysia	Tropical Peat Research Laboratory Unit	Poster	Saturated Field Hydraulic Conductivity, Ksat Estimation of Tropical Peat in Sarawak, Malaysia Using Modified Auger Hole Method and
June 12(Thu)	15:30~16:20	P3-236	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF1939	Guitong Li	China	China Agricultural University	Poster	The Effect of Biochar on Water Vapor Movement in Soil During Winter Period Revealed with Stable Isotope Technology

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June 12(Thu)	15:30~16:20	P3-237	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF1941	Jeanne Luong	Belgium	University of Liege - Gembloux Agro-Bio Tech	Poster	Characterisation of hydro-mechanical properties of soil using ultrasonic waves
June 12(Thu)	15:30~16:20	P3-238	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF2001	Alireza Zahirnia	Iran	sugarcane and by products development company	Poster	Comparison of field measured unsaturated hydraulic conductivity with four estimating models based on texture for two soils in
June 12(Thu)	15:30~16:20	P3-239	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF2285	Indika Herath	Sri Lanka	Coconut Research Institute	Poster	Variability in water footprints: A case study of New Zealand wines
June 12(Thu)	15:30~16:20	P3-240	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF2292	Zhengchao Tian	China	China Agricultural University	Poster	Mulching Influences on Soil Water, Temperature, and Frost Depth Are Related to Crop Sequence in a No-till Maize/Soybean Rotation
June 12(Thu)	15:30~16:20	P3-241	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF2350	Kelin Hu	China	China Agricultural University	Poster	Comparing water and nitrogen use efficiencies under different cropping systems in the North China Plain based on model approach
June 12(Thu)	15:30~16:20	P3-242	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF2353	Masaru Sakai	Japan	Graduate School of Bioresources, Mie University	Poster	Application of Penta-Needle Heat Pulse Probe for Variably Saturated Water Flux Estimation
June 12(Thu)	15:30~16:20	P3-243	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF2379	Richard Doyle	Australia	University of Tasmania	Poster	Assessment of Agricultural Land Capability Using GIS and Radar Imagery, Central Province, Papua New Guinea
June 12(Thu)	15:30~16:20	P3-244	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF2479	Xiaorong Wei	China	Institute of Soil and Water Conservation	Poster	Soil Water Carrying Capacity for Vegetation in a Small Watershed on the Loess Plateau of China
June 12(Thu)	15:30~16:20	P3-245	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF2482	Davoud Zarehaghi	Iran	university of tabriz	Poster	Evaluation of Least Limiting Water Range by Vegetative and Physiological Parameters of Pistachio Seedlings
June 12(Thu)	15:30~16:20	P3-246	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF2548	Davoud Zarehaghi	Iran	university of tabriz	Poster	Determination moisture stress pistachio tree by using sap flow measurement
June 12(Thu)	15:30~16:20	P3-247	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF2663	Wolfgang Durner	Germany	TU Braunschweig	Poster	Estimating precipitation and actual evaporation from precision lysimeter measurements
June 12(Thu)	15:30~16:20	P3-248	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF2743	Ali Asghar Zolfaghari	Iran	University of Semnan	Poster	Estimation of soil -water characteristic curve using one-point Measurement
June 12(Thu)	15:30~16:20	P3-249	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF2763	Mohammad Hossein Mokhtari	Iran	University	Poster	Assessment of soil chemical properties (EC, SAR, pH) in downstems of a qanat and well (Case study: Meibod)
June 12(Thu)	15:30~16:20	P3-250	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF2971	Colin Campbell	USA	Decagon Devices, Inc	Poster	A multi-frequency approach to inexpensive, accurate dielectric measurements of soil water content
June 12(Thu)	15:30~16:20	P3-251	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF2982	Ebrahim Babaeian	Iran	Tarbiat Modares University	Poster	Using hyper-spectral data to estimate the van Genuchten-Mualem soil hydraulic properties
June 12(Thu)	15:30~16:20	P3-252	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF2993	Dalvan Reinert	Brazil	Federal University of Santa Maria	Poster	Water content extraction in Eucaliptus plantation
June 12(Thu)	15:30~16:20	P3-253	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF2997	Ebrahim Babaeian	Iran	Tarbiat Modares University	Poster	Retrieving Soil Surface Water Content from ENVISAT/ASAR Radar Data
June 12(Thu)	15:30~16:20	P3-254	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF3033	Frederic Feder	France	CIRAD	Poster	Monitoring of water fluxes by SP and TDR in the unsaturated vadoze zone during an intense cyclone.
June 12(Thu)	15:30~16:20	P3-255	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF3235	Jinghui Xu	China	NWSUAF	Poster	FDR Probe Structure Influence on the Soil Dielectric Spectrum Measurement
June 12(Thu)	15:30~16:20	P3-256	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF3253	Michel Vorenhout	Netherlands	University of Amsterdam & MVH Consult	Poster	Multi-season, continuous measurements of redox potential. Value, methods and challenges
June 12(Thu)	15:30~16:20	P3-257	Hydro-Ecological Observatories and Advances in Soil Measurements and	AK1315	Yihyun Kim	Korea	Division of Soil and Fertilizer, NAAS, RDA	Poster	Estimation of soil moisture content in corn field using L-, C-, X-band scatterometer data
June 12(Thu)	15:30~16:20	P3-258	Hydro-Ecological Observatories and Advances in Soil Measurements and	AK1810	Keunchang Jang	Korea	Kangwon National University	Poster	Satellite remote sensing-based evapotranspiration in Northeast Asia
June 12(Thu)	15:30~16:20	P3-259	Hydro-Ecological Observatories and Advances in Soil Measurements and	AK1821	Jongyun Kim	Korea	Pai Chai University	Poster	Automated irrigation system using soil moisture sensor in horticulture
June 12(Thu)	15:30~16:20	P3-260	Hydro-Ecological Observatories and Advances in Soil Measurements and	AK3013	Hyen Chung Chun	Korea	National Academy of Agricultural Science	Poster	Comparison pore structure and physical properties between anthropogenic paddy field soil and natural soil

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June 12(Thu)	15:30~16:20	P3-261	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF2500	Kunio Watanabe	Japan	Mie University	Poster	Sub-milli observation of reduction and reoxidation of flooded soil with different water flow rate
June 12(Thu)	15:30~16:20	P3-262	Hydro-Ecological Observatories and Advances in Soil Measurements and	AF0468	Sevda Amini	Australia	Griffith University	Poster	Assessing organic carbon dynamics in salt-affected soils amended with gypsum and plant residues
June 12(Thu)	All day	Art Poster	Life in Soils - Distribution and Function of Soil Microorganisms in a		Daro Montag				
June 12(Thu)	15:30~16:20	P3-263	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF0017	Romi Hirekhan	India	National Research Centre for Citrus	Poster	In vitro Phosphate solubilization study by phosphate solubilizing microorganisms isolated from citrus rhizosphere
June 12(Thu)	15:30~16:20	P3-264	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF0048	Sarfraz Hussain	Pakistan	institute of soil chemistry and environmental sciences,	Poster	Optimization of environmental factors affecting biodegradation of chlorpyrifos in soil slurry by <i>Enterobacter</i> sp. SWLC2
June 12(Thu)	15:30~16:20	P3-265	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF0222	Hitoshi Moro	Japan	Shinshu University	Poster	Evaluation of phosphorus bioavailability using soil enzyme activities: Comparison with chemical extraction methods and crop P content
June 12(Thu)	15:30~16:20	P3-266	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF0247	Atia Iqbal	Pakistan	Universityof Punjab	Poster	Efficacy of auxin producing <i>Bacillus</i> strains in changing the root architecture of <i>Arabidopsis thaliana</i> and growth promoting ability in
June 12(Thu)	15:30~16:20	P3-267	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF0270	Jing Che	China	Institute of Soil Science, Chinese Academy of	Poster	Soil pH and ammonium concentrations affect acid soil microbial nitrification process
June 12(Thu)	15:30~16:20	P3-268	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF0371	Jean-Martial Johnson	Benin	Universite d'Abomey-Calavi	Poster	Molecular diversity and colonization of arbuscular mycorrhizal fungi associated with rhizosphere of cowpea ( <i>Vigna unguiculata</i> (L.) Walp.)
June 12(Thu)	15:30~16:20	P3-269	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF0495	Sarwee Joe-Wia Faeflen	China	Southwest University, Chongqing, China	Poster	Which Biotic Agent Responsible For Ammonia Oxidation In The Pine Forest Stand Of Jinyun Mountain, Chongqing?
June 12(Thu)	15:30~16:20	P3-270	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF0498	Qasim Ali	Pakistan	University of Agriculture, Faisalabad, Pakistan	Poster	Rhizobium inoculation for mitigating the salinity stress in maize ( <i>Zea mays</i> ) under gnotobiotic conditions
June 12(Thu)	15:30~16:20	P3-271	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF0537	Ana Aslam	Pakistan	University of Agriculture, Faisalabad, Pakistan	Poster	Screening of bacterial endophytes for carbonic anhydrase activity and drought tolerance of wheat
June 12(Thu)	15:30~16:20	P3-272	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF0548	Zahra Marietta	Indonesia	Padjadjaran University	Poster	ABUNDANCE OF ROOT SEEDLING MICHORYZA INFECTION IN TRAGULASI COASTAL FOREST VEGETATION AREA ALAS PURWO
June 12(Thu)	15:30~16:20	P3-273	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF0621	Takashi Kunito	Japan	Shinshu University	Poster	Phosphorus or nitrogen limitation in microorganisms in some Japanese forest soils
June 12(Thu)	15:30~16:20	P3-274	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF0779	Sharon Yu Ling Lau	Japan	Hokkaido University	Poster	The Potential of <i>Flexibacter</i> sp. Isolated from An Oil Palm Plantation on Peat in Sarawak, Malaysia as a Biological N <sub>2</sub> O Mitigation Strategy
June 12(Thu)	15:30~16:20	P3-275	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF0784	Anthony Caesar	USA	USDA-ARS-NPARK	Poster	Invasive plants enrichment of soilborne pathogens affecting native plant species
June 12(Thu)	15:30~16:20	P3-276	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF0809	Lin Gao	China	Tobacco Research Institute of Chinese Academy of	Poster	Effect of Cd contamination on soil microbial community structure in flue-cured tobacco rhizosphere
June 12(Thu)	15:30~16:20	P3-277	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF0811	Na Li	China	Northeast Institute of Geography and Agroecology,	Poster	Development of soil microbial community structure at the primary developing stage of parent material of a Mollisol by different land
June 12(Thu)	15:30~16:20	P3-278	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF0953	Tianlin Shen	China	National Engineering Laboratory for Efficient	Poster	Genetic and physiological structures of bacterial communities in agricultural soil irrigated with untreated wastewater for more than 40
June 12(Thu)	15:30~16:20	P3-279	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF0985	Grace Chibuike	Nigeria	University of Nigeria, Nsukka, Nigeria	Poster	AN INVESTIGATION ON WHETHER THE PRESENCE OF MYCORRHIZAE INFLUENCES THE RESPONSE OF COCOA SEEDLINGS
June 12(Thu)	15:30~16:20	P3-280	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF1038	Reika Isoda	Japan	Hokkaido University	Poster	The role of characteristic archaeal community in nitrogen circulation of the boreal forest bed soil
June 12(Thu)	15:30~16:20	P3-281	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF1064	Aboulkacem Lemtiri	Belgium	University of Liege, Gembloux agro bio tech	Poster	Effects of agricultural practices and crop residue management on earthworm communities and soil physico-chemical properties in
June 12(Thu)	15:30~16:20	P3-282	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF1071	Marco Campos	Chile	Centre of Environmental Biotechnology, BIOREN	Poster	Degradation of iprodione and 3,5-DCA by degrading bacteria isolated from ryegrass ( <i>Lolium perenne</i> ) rhizospheric soils
June 12(Thu)	15:30~16:20	P3-283	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF1082	Faiza Hossaini	Iran	University of Tehran	Poster	The Study of Indigenous Thyme Plant Rhizosphere Bacterial Isolates in the Availability of Iron in Calcareous Soils

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June 12(Thu)	15:30~16:20	P3-284	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF1103	Radziah Othman	Malaysia	Universiti Putra Malaysia	Poster	Beneficial effects of phosphate-solubilizing bacteria isolated from acid sulfate soils of East coast of Peninsular Malaysia on rice
June 12(Thu)	15:30~16:20	P3-285	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF1322	Sen Dou	China	Jilin Agricultural University	Poster	Compositions and properties of microbial residues formed by three single species fungi and mixed strains in cellulose-containing liquid
June 12(Thu)	15:30~16:20	P3-286	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF1349	Ramya Thangarajan	Australia	University of South Australia	Poster	Organic amendments supply nitrifiers and enhance nitrification in soil
June 12(Thu)	15:30~16:20	P3-287	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF1390	Isabella Grishkan	Israel	University of Haifa	Poster	Vertical divergence of microfungal communities through the depth in different soil formations in the western Negev desert, Israel
June 12(Thu)	15:30~16:20	P3-288	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF1502	Zsolt Sandor	Hungary	Faculty of Agricultural and Food Sciences and	Poster	Evaluation the effect of two herbicide's ingredients on some soil microbiological parameters
June 12(Thu)	15:30~16:20	P3-289	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF1529	Rabia Khalid	Pakistan	PMAS-ARID AGRICULTURE UNIVERSITY, RAWALPINDI	Poster	Molecular characterization of groundnut (Arachis hypogaea) rhizosphere and nodule bacteria to improve crop yield
June 12(Thu)	15:30~16:20	P3-290	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF1582	Huijie Lu	China	Ningbo Institute of Technology, Zhejiang	Poster	Dynamics of soil amino sugars during maize growing season under different management
June 12(Thu)	15:30~16:20	P3-291	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF1594	Lusheng Zhu	China	Shandong Agricultural University	Poster	Effects of 1-octyl-3-methylimidazolium chloride ([omim]Cl) ionic liquid on the functional diversity of soil microbial communities and
June 12(Thu)	15:30~16:20	P3-292	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF1597	Lusheng Zhu	China	Shandong Agricultural University	Poster	Soil microbial diversity and community structure as affected by endosulfan residual
June 12(Thu)	15:30~16:20	P3-293	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF1647	Corey Palmer	USA	Northwestern University	Poster	Bacterial versus fungal contributions to microbial community structure in grasslands of differing management history
June 12(Thu)	15:30~16:20	P3-294	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF1744	Eduardo Medina	China	Xi'an Jiaotong-Liverpool University	Poster	Phenotypic composition of a key grass species and soil processes in a semiarid grassland after a rain pulse event
June 12(Thu)	15:30~16:20	P3-295	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF1746	Mei-Hsia Huang	Taiwan	National Chung Hsing University	Poster	Effects of Zn, Cu and Al metals on tetracycline antibiotic resistance in the chicken manure
June 12(Thu)	15:30~16:20	P3-296	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF1806	Manqiang Liu	China	Nanjing Agricultural University	Poster	Evaluate nematode assemblage analysis as indicators of long-term organic amendments on soil quality: a comparison between upland
June 12(Thu)	15:30~16:20	P3-297	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF1881	Hai Nguyen Trung	Germany	University of Goettingen	Poster	Modeling carbon and nitrogen mineralisation from diverse crop residues measured from incubation studies
June 12(Thu)	15:30~16:20	P3-298	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF1957	Bjorn Kluge	Germany	TU Berlin	Poster	Detection of soil microbial activity by infrared thermography (IRT)
June 12(Thu)	15:30~16:20	P3-299	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF1971	Yueming Liang	China	Institute of Subtropical Agriculture, the Chinese	Poster	No correlation between plant diversity and AMF diversity but significant variations of AMF community along Karst vegetation
June 12(Thu)	15:30~16:20	P3-300	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2078	Noura Ziadi	Canada	Soils and Crops Research and Development Centre,	Poster	Winter Behaviors of Soil Microbial Biomass P and Alkaline Phosphatase as Affected by Tillage and Fertilization
June 12(Thu)	15:30~16:20	P3-301	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2108	Saira Khalid	Pakistan	University of Agriculture, Faisalabad, Pakistan	Poster	Biofortification of iron in chickpeas by plant growth promoting rhizobacteria
June 12(Thu)	15:30~16:20	P3-302	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2111	Laziza Gafurova	Uzbekistan	National university of Uzbekistan	Poster	STUDYING THE POPULATION VARIABILITY OF MICROORGANISMS ADAPTED TO THE CONDITIONS OF SOIL DEGRADATION
June 12(Thu)	15:30~16:20	P3-303	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2128	Nadia Bennegadi-Laurent	France	Esitpa- Ecole d'ingenieurs en Agriculture	Poster	Soil enzymatic activities and microbial functional diversity under different agricultural management practices in northern France
June 12(Thu)	15:30~16:20	P3-304	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2141	Mario Lira Junior	Brazil	Federal Rural University of Pernambuco	Poster	Soil and climate effects on cowpea rhizobial diversity in Pernambuco
June 12(Thu)	15:30~16:20	P3-305	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2223	Janos Katai	Hungary	University of Debrecen, Faculty of Agricultural and	Poster	Relationships between the soil chemical properties and microbiological activity in a long-term field experiment in Hungary
June 12(Thu)	15:30~16:20	P3-306	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2264	Vivek Ravindran	Australia	HAWKESBURY INSTITUE FOR THE ENVIRONMENT,	Poster	Regulatory role of microbes in soil microaggregate formation and carbon (C) sequestration
June 12(Thu)	15:30~16:20	P3-307	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2266	Marc Legras	France	Esitpa - Ecole d'Ingenieurs en Agriculture	Poster	Impact of different cultural rotations (pastures- crop) on microbial community in agricultural French context

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June 12(Thu)	15:30~16:20	P3-308	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2341	Kanako Tomita	Australia	The University of Western Australia	Poster	Soil bacterial community structure associated with perennial vegetation on agricultural land in south-western Australia
June 12(Thu)	15:30~16:20	P3-309	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2394	Ahmad Ali Pourbabaee	Iran	University of Tehran	Poster	Biodegradation of Phenanthrene in Saline soils by New Consortium of Halophilic Bacteria
June 12(Thu)	15:30~16:20	P3-310	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2408	Sen Dou	China	Jilin Agricultural University	Poster	The thallus formed by Streptosporangium with cellulose and its alkali extraction components
June 12(Thu)	15:30~16:20	P3-311	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2553	Qaiser Hussain	Pakistan	PMAS-Arid Agriculture University, Rawalpindi	Poster	Hybrid rice promotes ammonia oxidizing bacteria relative to ammonia oxidizing archaea in rhizosphere at different growing stages
June 12(Thu)	15:30~16:20	P3-312	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2574	Minh Vien Duong	Viet Nam	Cantho University	Poster	Microbial reductive dechlorination of Polychlorinated Dibenzo-p-Dioxins in Soils and Sediments From Areas Sprayed with Agent
June 12(Thu)	15:30~16:20	P3-313	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2596	Pankaj Srivastava	India	CSIR-National Botanical Research Institute, Lucknow,	Poster	Role of Microbial Inoculums on <i>Jatropha curcas</i> L. Growth and Soil Carbon Stock
June 12(Thu)	15:30~16:20	P3-314	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2601	Xue-Feng Hu	China	Shanghai University	Poster	Effects of artificially putting frogs into paddy fields on the prevention of pests and diseases of rice
June 12(Thu)	15:30~16:20	P3-315	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2602	Irnanda Aiko Fifi Djuuna	Indonesia	State University of Papua	Poster	The Status of Arbuscular Mycorrhiza Fungi at the Different Vegetation in Tailing Deposition Areas of Freeport Indonesia, Timika
June 12(Thu)	15:30~16:20	P3-316	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2637	Rosario Monsalud	Philippines	National Institute of Molecular Biology &	Poster	Soil Microbial Population and Distribution as Affected by Various Farming Systems in Batangas, Philippines
June 12(Thu)	15:30~16:20	P3-317	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2717	Fo-Ting Shen	Taiwan	National Chung Hsing University	Poster	Exploration of oligotrophic bacteria from soils in Taiwan
June 12(Thu)	15:30~16:20	P3-318	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2735	Fo-Ting Shen	Taiwan	National Chung Hsing University	Poster	Hydrolytic characterization of root nodulating bacteria
June 12(Thu)	15:30~16:20	P3-319	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2775	Janardan Yadav	India	Banaras Hindu University, Varanasi	Poster	Development of PGPR consortium for potential yield of scented and non-scented rice during nascent stage of organic farming on Indo-
June 12(Thu)	15:30~16:20	P3-320	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2783	Jocelyn Zarate	Philippines	National Institute of Molecular Biology and	Poster	Isolation and evaluation of inoculation effects of beneficial microbes on growth of corn and on soil nutrient content in ten field sites
June 12(Thu)	15:30~16:20	P3-321	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2793	Naoise Nunan	France	CNRS	Poster	Spatial ecology of bacteria at the microscale in soil
June 12(Thu)	15:30~16:20	P3-322	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2831	Sanjay Arora	India	Central Soil Salinity Research Institute, Regional Research	Poster	Bio-Remediation of Salt affected Soils through Halophilic Microbes
June 12(Thu)	15:30~16:20	P3-323	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2843	Muhammad Riaz	Pakistan	Government College University Faisalabad	Poster	Controls on microbial activity in chromium contaminated abandoned agricultural soils: A case study of Kasur, Pakistan
June 12(Thu)	15:30~16:20	P3-324	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2857	Sudha Jala Kohli	India	TILKAMANJHI BHAGALPUR UNIVERSITY, BHAGALPUR	Poster	Integrated Effect of Fly Ash and Chemical Fertilizers on Phosphate Solubilizing Bacteria isolated from a Rhizospheric Soil of Forestry
June 12(Thu)	15:30~16:20	P3-325	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2872	Dilfuza Egamberdieva	Uzbekistan	National University of Uzbekistan	Poster	Microbial population in the rhizosphere soil of various crop plants as affected by salinity
June 12(Thu)	15:30~16:20	P3-326	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2887	Arnaldo Colozzi-Filho	Brazil	Instituto Agronomico do Parana	Poster	Effects of long-term swine slurry applications on inoculum potential of the arbuscular mycorrhizal fungi in soil under conventional and
June 12(Thu)	15:30~16:20	P3-327	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2894	Marie-Charlotte Leroy	France	INFRA Services	Poster	Comparison of three macrophytes to remediate co-contaminated soils with Polycyclic Aromatic Hydrocarbons (PAHs) and Trace
June 12(Thu)	15:30~16:20	P3-328	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2900	Faiza Hossaini	Iran	University of Tehran	Poster	Weathering of illitic soil in the presence of arbuscular mycorrhizal fungi <i>Glomus mosseae</i> and <i>Glomus intraradices</i> and <i>Pseudomonas</i>
June 12(Thu)	15:30~16:20	P3-329	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2910	Dilfuza Egamberdieva	Uzbekistan	National University of Uzbekistan	Poster	Biological activities in the rhizosphere soils of medicinal plants from Chatkal Biosphere Reserve of Uzbekistan
June 12(Thu)	15:30~16:20	P3-330	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2931	Marc Legras	France	Esitpa - Ecole d'Ingenieurs en Agriculture	Poster	Suitability of ergosterol as soil fungal indicator depending on extraction and sampling date in arable and grassland soils
June 12(Thu)	15:30~16:20	P3-331	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF2947	Chuleemas Boonthai Iwai	Thailand	Khon Kaen University	Poster	Diversity of Soil Invertebrates in Sugar Cane Area after Land application of Sugar Factory Distillery Spent Wash

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June 12(Thu)	15:30~16:20	P3-332	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF3315	Azadeh Bapiri	Iran	Islamic Azad University-Savadkooch branch	Poster	Isolation and Conservation of Fluorescent Pseudomonads Strains from Rhizosphere of Wheat
June 12(Thu)	15:30~16:20	P3-333	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF3319	Andre Freire Cruz	Japan	Kyoto Prefectural University	Poster	Seasonality of Arbuscular Mycorrhizal Fungi and Mineral Nutrition in Temperate Fruit Trees
June 12(Thu)	15:30~16:20	P3-334	Life in Soils - Distribution and Function of Soil Microorganisms in a	AF3324	Tasren Nazir Mahamooth	Malaysia	Advanced Agriecological Research Sdn. Bhd.	Poster	Spatial Variation of Soil Microbial Indicators in Different Soil Textural Classes Planted with Elaeis Guineensis (Oil Palm)
June 12(Thu)	15:30~16:20	P3-335	Life in Soils - Distribution and Function of Soil Microorganisms in a	AK0921	Min-Ho Yoon	Korea	Dept. of Bio-Environmental Chemistry, Chungnam	Poster	Bioaugmentation-assisted Phytoextraction of Co, Pb and Zn by a Phosphate-solubilizing Bacterium Isolated from Metal-contaminated
June 12(Thu)	15:30~16:20	P3-336	Life in Soils - Distribution and Function of Soil Microorganisms in a	AK3095	Moon-Tae Choi	Korea	Division of Agricultural Environment Research,	Poster	Long-term Monitoring of Chemical Properties from Upland Soils in Chungnam Province
June 12(Thu)	15:30~16:20	P3-337	Life in Soils - Distribution and Function of Soil Microorganisms in a	AK3098	Jin Ho Joo	Korea	Kangwon National University	Poster	Indolacetic Acid Production and Phosphate Solubilization Ability of Several Microorganisms Isolated from Panax ginseng Rhizosphere
June 12(Thu)	15:30~16:20	P3-338	Life in Soils - Distribution and Function of Soil Microorganisms in a	AK3099	Jin Ho Joo	Korea	Kangwon National University	Poster	Plant Growth Promotion by Rhizobacteria Isolated from Pinus koraiensis on Chinese cabbage (Brassica rapa)
June 12(Thu)	15:30~16:20	P3-339	Life in Soils - Distribution and Function of Soil Microorganisms in a	AK3100	Jin Ho Joo	Korea	Kangwon National University	Poster	Isolation and Detection of Genes Responsible for Pyoverdines Biosynthesis in Pseudomonas putida KNUK9
June 12(Thu)	All day	Art Poster	Mineralogy and Reactivity of Soil Microsites-art		Sarah Hirneisen				
June 12(Thu)	15:30~16:20	P3-340	Mineralogy and Reactivity of Soil Microsites	AF0411	Sirous Shakeri	Iran	shiraz university	Poster	Study of Genesis, Morphology and Clay Mineralogy in Kakan Area, Kohgiluyeh-va-Buyer-Ahmad province, Iran
June 12(Thu)	15:30~16:20	P3-341	Mineralogy and Reactivity of Soil Microsites	AF1608	Akira Takamoto	Japan	Tokyo University of Agriculture and Technology	Poster	Characterization of phosphorus species in allophanic and non-allophanic Andisols using density separations, chemical fractionation,
June 12(Thu)	15:30~16:20	P3-342	Mineralogy and Reactivity of Soil Microsites	AF1738	Irena Hanusova	Czech Republic	Radioactive Waste Repository Authority	Poster	Transformation processes in bentonites ? EPSP and Mock-Up-CZ in-situ experiments
June 12(Thu)	15:30~16:20	P3-343	Mineralogy and Reactivity of Soil Microsites	AF1846	Eszter Nemeth	Hungary	University of West Hungary	Poster	COMPARATIVE ANALYSES OF SOILS FORMED ON CARBONATE ROCKS
June 12(Thu)	15:30~16:20	P3-344	Mineralogy and Reactivity of Soil Microsites	AF1857	Eszter Nemeth	Hungary	University of West Hungary	Poster	Mineralogical investigation of soils formed on carbonate rocks in the Bukk-Highlands (Hungary)
June 12(Thu)	15:30~16:20	P3-345	Mineralogy and Reactivity of Soil Microsites	AF2047	Ian Smuts	South Africa	University of Stellenbosch	Poster	Mineralogical and chemical characterization of arid granitic soils after prolonged exposure to acid mine drainage
June 12(Thu)	15:30~16:20	P3-346	Mineralogy and Reactivity of Soil Microsites	AF2126	Nataliya Chizhikova	Russia	V.V.Dokuchaev Soil Science Institute	Poster	Palygorskite in soils of arid regions
June 12(Thu)	15:30~16:20	P3-347	Mineralogy and Reactivity of Soil Microsites	AF2160	Basile Mujinya Bazirake	Zaire	University of Lubumbashi	Poster	Effects of termites on clay composition and properties of Ferralsol materials in the Upper Katanga (D.R. Congo)
June 12(Thu)	15:30~16:20	P3-348	Mineralogy and Reactivity of Soil Microsites	AF2168	Mitsuhiro Furuya	Japan	Tokyo University of Agriculture and Technology	Poster	Chemical speciation and dissolution of Cd in paddy soils in various redox gradients
June 12(Thu)	15:30~16:20	P3-349	Mineralogy and Reactivity of Soil Microsites	AF2335	Cheng-Long Yan	China	Shanghai University	Poster	Recycle of crop residues in fields through fermentation
June 12(Thu)	15:30~16:20	P3-350	Mineralogy and Reactivity of Soil Microsites	AF2399	Kentaro Kameda	Japan	Tokyo University of Agriculture and Technology	Poster	Solubility and chemical speciation of arsenic and lead in a contaminated soil using amendments containing zeolite, iron and
June 12(Thu)	15:30~16:20	P3-351	Mineralogy and Reactivity of Soil Microsites	AF2437	Satoshi Takeuchi	Japan	Tokyo University of Agriculture and Technology	Poster	Solubility of silver derived from nanoparticles and silver nitrate in oxidized and reduced soils
June 12(Thu)	15:30~16:20	P3-352	Mineralogy and Reactivity of Soil Microsites	AF3084	Wang Lingli	China	Chinese Academy of Science, Shenyang Institute of	Poster	A Study on impacts and mechanism of mechanical activation (planetary milling) of Yichang phosphate rock samples
June 12(Thu)	15:30~16:20	P3-353	Mineralogy and Reactivity of Soil Microsites	AF1875	Eszter Nemeth	Hungary	University of West Hungary	Poster	COMPREHENSIVE CHEMICAL INVESTIGATIONS IN THE SOPRON WINE REGION (HUNGARY)
June 12(Thu)	All day	Art Poster	Minerals as Regulators of Carbon Flow Through Soils-art		Peter Ward				

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Date	Time	Code-N	Session	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 12(Thu)	15:30~16:20	P3-354	Minerals as Regulators of Carbon Flow Through Soils	AF0671	Xu Xingkai	China	Institute of Atmospheric Physics, Chinese Academy of	Poster	Effect of change in throughfall on soil respiration under a temperate mature forest, northeastern China
June 12(Thu)	15:30~16:20	P3-355	Minerals as Regulators of Carbon Flow Through Soils	AF1163	Jun Wang	China	Northwest University	Poster	Influence of simulated precipitation on dryland soil respiration in the Loess Plateau, China
June 12(Thu)	15:30~16:20	P3-356	Minerals as Regulators of Carbon Flow Through Soils	AF2300	Waqar Ahmad	Australia	The University of Sydney	Poster	Temperature and rhizosphere interaction regulates the dynamics of inorganic and organic carbon in a limed acidic soil
June 12(Thu)	All day	Art Poster	Advances in Rhizosphere Regulation and Soil Nutrient Management-art		Urbaniahoeve				
June 12(Thu)	15:30~16:20	P3-357	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF0036	Ali Gholami	Iran	Department of Soil Science, Science and Research	Poster	The Effect of Mycorrhiza Fungi (VAM) on Phosphorus Absorption by Corn plant at Northern Khuzestan, Iran
June 12(Thu)	15:30~16:20	P3-358	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF0056	Mohammad H. Sayyari-Zahan	Iran	University of Birjand, Birjand, Iran	Poster	EFFECT OF COMBINED BIOLOGIC AND PRIMING SEED TREATMENTS ON GROWTH INDICES OF <i>Nigella sativa</i> L
June 12(Thu)	15:30~16:20	P3-359	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF0088	Ladan Razikordmahaleh	Iran	department of environment	Poster	Increasing rate of decomposition of sugarcane bagasse by decomposer fungi and helping bacteria <i>Azotobacter</i> for preparation
June 12(Thu)	15:30~16:20	P3-360	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF0136	Dedik Budianta	Indonesia	University of Sriwijaya, Indonesia	Poster	Utilization of Agricultural Wastes as a Raw Material for Organic Fertilizer Applied on Paddy Rice Planted in an Acid Sulphate Soil
June 12(Thu)	15:30~16:20	P3-361	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF0227	Zhenhua Zhang	China	Jiangsu Academy of Agricultural Sciences	Poster	Research progress on usage of agricultural wastes in soilless growing medium production
June 12(Thu)	15:30~16:20	P3-362	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF0249	Pc Rao	India	ANGRAU, Hyderabad	Poster	Activity of Urease, Phosphatase and Dehydrogenase in Submerged soil under integrated nutrient management with transplanted rice
June 12(Thu)	15:30~16:20	P3-363	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF0264	Bo-Ching Chen	Taiwan	MingDao Univ.	Poster	Effects of calcium on copper rhizotoxicity to and accumulation in grapevines in solution culture
June 12(Thu)	15:30~16:20	P3-364	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF0299	Tiezhao Yang	China	Henan Agricultural University	Poster	Chemical Mechanism of Potassium Release from Soil as Influenced by Root Exudates
June 12(Thu)	15:30~16:20	P3-365	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF0338	Bao-Luo Ma	Canada	Agriculture and Agri-Food Canada	Poster	Improving Nutrient Use Efficiency and Yield of Canola in Eastern Canada
June 12(Thu)	15:30~16:20	P3-366	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF0362	Zahra Gheshlaghi	Iran	Faculty of Agriculture, Ferdowsi University of	Poster	Effect of Nitrate Influx and Efflux on Nitrate Accumulation in Lettuce and Spinach
June 12(Thu)	15:30~16:20	P3-367	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF0459	Changzhou Wei	China	shihezi university	Poster	Nutrient availability in rice rhizosphere under conventional and drip irrigation with film mulch cultivation
June 12(Thu)	15:30~16:20	P3-368	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF0492	Sabine Bernsdorf	Germany	Martin-Luther-Universitat Halle-Wittenberg	Poster	Potassium management of fen soils with the habitant type 6510
June 12(Thu)	15:30~16:20	P3-369	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF0724	Dhondiram Phonde	India	Vasantdada Sugar Institute	Poster	Techniques for Enhancing fertilizer Use Efficiency in Sugarcane
June 12(Thu)	15:30~16:20	P3-370	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF0736	Mercykutty Joseph	India	Rubber Research Institute of India	Poster	Integration of chemical and biofertilizers improved the availability of nitrogen and phosphorus in soil but did not influence the growth of
June 12(Thu)	15:30~16:20	P3-371	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF0874	Yasuyuki Hashidoko	Japan	Hokkaido University	Poster	<i>Burkholderia kururiensis</i> as an important root-associating, diazotrophic bacterium for a highly productive cross-hybrid rice
June 12(Thu)	15:30~16:20	P3-372	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF0878	Dipak Ranjan Biswas	India	Indian Agricultural Research Institute	Poster	Rock phosphate enriched compost vis-a-vis mineral fertilization: effect on soil chemical and biological properties
June 12(Thu)	15:30~16:20	P3-373	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF0889	A. R. M. Solaiman	Bangladesh	Bangabandhu Sheikh Mujibur Rahman Agricultural	Poster	Influence of Diazotrophic Bacterial Inoculation in Combination with Nitrogen on Growth, Biomass Production, Yield and Nutrient
June 12(Thu)	15:30~16:20	P3-374	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF0959	Yazhen Shen	China	Institute of Soil Science, Chinese Academy of	Poster	Modelling of nutrients release from water-borne polymer coated controlled release fertilizers
June 12(Thu)	15:30~16:20	P3-375	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF1118	Hua Zhou	China	Institute of Applied Ecology, Chinese Academy of	Poster	Long-term effects of chemical fertilizer and recycled manure on soil chemical and biological properties
June 12(Thu)	15:30~16:20	P3-376	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF1208	Sophie Barbieux	Belgium	Universite de Liege (GxABT)	Poster	IMPACT OF TILLAGE AND CROP RESIDUES RESTITUTION ON PHOSPHORUS DISTRIBUTION WITHIN TOPSOIL IN LOAMY SOILS OF

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June 12(Thu)	15:30~16:20	P3-377	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF1317	Shintaro Hara	Japan	Tohoku University	Poster	Phosphorous uptake via AM fungi from phytate in organic matter: Possible involvement of phytate degrading bacteria
June 12(Thu)	15:30~16:20	P3-378	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF1353	Ramya Thangarajan	Australia	University of South Australia	Poster	Rhizosphere nitrification inhibition by Australian native vegetation
June 12(Thu)	15:30~16:20	P3-379	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF1354	Truc T.t Do	Viet Nam	Institute of Agricultural Sciences of South Vietnam	Poster	Effects of clay type, rate and placement on nutrient availability and crop productivity in sandy terrain of southern central coastal
June 12(Thu)	15:30~16:20	P3-380	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF1387	Chunjian Li	China	China Agricultural University	Poster	Synchronizing crop demand and soil supply ensures high nitrogen use efficiency
June 12(Thu)	15:30~16:20	P3-381	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF1409	Luisa Massaccesi	Italy	University of Perugia	Poster	Adaptive strategy of three typical plant species over Majella Massif (central Italy): differences in microbial community and nutrient
June 12(Thu)	15:30~16:20	P3-382	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF1461	Herminia Martinez	Brazil	Universidade Federal de Vicosa	Poster	Response of coffee plantations to the phosphate fertilization
June 12(Thu)	15:30~16:20	P3-383	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF1487	Mauricio Molina	Chile	Universidad Tecnica federico Santa Maria	Poster	Effect of the application of compost, compost-derived humic substances and vermicompost on Zn extractability and growth of
June 12(Thu)	15:30~16:20	P3-384	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF1501	Meena Sadhasivam	India	Tamil Nadu Agricultural University	Poster	Phosphorus Acquisition by Maize and Cotton in Low Phosphorus Soil
June 12(Thu)	15:30~16:20	P3-385	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF1542	Paola Duran	Chile	Universidad de la Frontera	Poster	Isolation of putative endophytic bacteria from selenium-supplemented wheat plants and their potential use for
June 12(Thu)	15:30~16:20	P3-386	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF1563	Sheng Li	Canada	Agriculture and Agri-Food Canada	Poster	Nitrate leaching in potato rotation field under the influence of manure application in New Brunswick, Canada
June 12(Thu)	15:30~16:20	P3-387	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF1666	Kuldeep Singh	India	Amity University Uttar Pardesh	Poster	Challenges and Opportunities in Application of Nanotechnology in Enhancing Nutrient Use Efficiency-An Overview
June 12(Thu)	15:30~16:20	P3-388	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF1720	Kari Ylivainio	Finland	MTT Agrifood Research Finland	Poster	P-rich by-products as sources of plant available P - comparison of different test methods
June 12(Thu)	15:30~16:20	P3-389	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF1727	Dejian Wang	China	Institute of Soil Science, Chinese Academy of	Poster	Crop nitrogen status investigate using a digital camera
June 12(Thu)	15:30~16:20	P3-390	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF1750	Gregor Meyer	Switzerland	ETH Zurich, Institute of Agricultural Sciences, Group	Poster	Plant uptake of phosphorus recycled from human waste water and sewage sludge ashes
June 12(Thu)	15:30~16:20	P3-391	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF1835	Asuman Buyukkilic Yanardag	Spain	UPCT	Poster	CONTENTS OF TOTAL IRON AND DIFFERENT IRON FORMS DISTRIBUTION OF HARRAN PLAIN, SOUTHEAST OF TURKEY
June 12(Thu)	15:30~16:20	P3-392	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF1860	Li Chunjie	China	China Agricultural University	Poster	The dynamics of competitive P uptake by intercropped wheat and fababean
June 12(Thu)	15:30~16:20	P3-393	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF1882	Pei-Yi Chen	Taiwan	National Chiayi University	Poster	Morphological responses of grapevine root to copper stress given different calcium nutritional levels
June 12(Thu)	15:30~16:20	P3-394	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF2175	Jacqueline Acuna	Chile	Universidad de La Frontera	Poster	Isolation of phytase-producing rhizobacteria from extreme environments
June 12(Thu)	15:30~16:20	P3-395	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF2261	Thimo Klotzbuecher	Germany	Martin-Luther-Universitat Halle-Wittenberg	Poster	Importance of straw residue management for silicon supply to rice plants in contrasting Southeast Asian regions
June 12(Thu)	15:30~16:20	P3-396	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF2268	Hannah Franklin	New Zealand	Lincoln University	Poster	The potential of New Zealand native plants to mitigate nitrogen transport from agricultural land
June 12(Thu)	15:30~16:20	P3-397	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF2429	Eric Craswell	Australia	Australian National University	Poster	Urea deep placement for paddy rice: the scientific foundations
June 12(Thu)	15:30~16:20	P3-398	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF2583	Claudio Mahler	Brazil	Federal University of Rio de Janeiro	Poster	MODELING OF PHYTO-EXTRACTION ON POT EXPERIMENTS
June 12(Thu)	15:30~16:20	P3-399	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF2597	Florian Cobert	Belgium	Universite de Liege (GxABT)	Poster	Effects of magnesium contents on the Freundlich adsorption isotherm constants and phosphorus availability in agricultural soils of
June 12(Thu)	15:30~16:20	P3-400	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF2609	Ezekiel Akinkunmi Akinrinde	Nigeria	Department of Agronomy, University of Ibadan, Nigeria	Poster	SORGHUM (Sorghum bicolor L) RESPONSE TO RESIDUAL GROUND ROCK PHOSPHATES IN LEGUME- AND CEREAL-BASED CROP

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Date	Time	Code-N	Session	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 12(Thu)	15:30~16:20	P3-401	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF2630	Xue-Feng Hu	China	Shanghai University	Poster	Effects of fertilization on rice grain yield and incidents of pests and diseases
June 12(Thu)	15:30~16:20	P3-402	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF2644	Xiao-Wei Liu	China	Institute of Soil Science, Chinese Academy of	Poster	Root-zone Fertilization ? A Case Study to Improve Nitrogen Use Efficiency of Rice ( <i>Oryza sativa</i> L.)
June 12(Thu)	15:30~16:20	P3-403	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF2725	Hayato Maruyama	Japan	Graduate School of Biosphere Science, Hiroshima	Poster	Effects of citrate addition into the rhizosphere on P acquisition efficiency of phosphatase gene-modified plants and P availability in
June 12(Thu)	15:30~16:20	P3-404	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF2747	Obianuju Emmanuel	Ghana	Kwame Nkrumah University of Science and Technology	Poster	Boosting smallholder cowpea and soil productivity through use of green input in the Guinea and Sudan savannah zones of Ghana.
June 12(Thu)	15:30~16:20	P3-405	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF2753	Hafeez Ur Rehman	Pakistan	Department of crop physiology, university of	Poster	Managing paddy soils to improve Zn bioavailability and agronomic performance of fine grain aromatic rice
June 12(Thu)	15:30~16:20	P3-406	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF2834	Sayed Khattari	Jordan	The Jordan University Faculty of Agriculture	Poster	Accumulation of major nutrients in calcareous soils under intensive cultivation and pressurized irrigation practices in Jordan
June 12(Thu)	15:30~16:20	P3-407	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF2837	Faiza Hossaini	Iran	University of Tehran	Poster	Isolation of Phosphate Solubilizing Bacteria from Two Types of Calcareous Soil and Evaluating their Ability to Solubilize Various
June 12(Thu)	15:30~16:20	P3-408	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF2882	Wasiu Bello	Nigeria	Oyo State College of Agriculture, Igboora	Poster	Soil nutrient dynamics and maize yield as influenced by integrated nutrient management.
June 12(Thu)	15:30~16:20	P3-409	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF2939	Mario Miyazawa	Brazil	Agronomic Institute of Parana - IAPAR	Poster	BIOAVAILABILITY OF MANGANESE IN TWO ACID LATOSOLS (OXISOLS) UNDER DIFFERENT RATE COVERS
June 12(Thu)	15:30~16:20	P3-410	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF3046	Lu You	China	Jiangxi Agricultural University	Poster	Effect of different potassium level on growth and fruit yield of <i>Camellia oleifera</i> Chang-Lin series
June 12(Thu)	15:30~16:20	P3-411	Advances in Rhizosphere Regulation and Soil Nutrient Management	AF3266	Xiangan Tang	China	Jiangxi Academy of Agricultural Sciences	Poster	Nutrient contents in various purple soils and their effects on nutrient distribution in flue-cured tobacco in Jiangxi province
June 12(Thu)	15:30~16:20	P3-412	Advances in Rhizosphere Regulation and Soil Nutrient Management	AK0509	Faridul Alam	Korea	Gyeongsang National University	Poster	Effect of Molybdenum on nitrogen fixation and Rhizobial diversity of Hairy vetch ( <i>Vicia villosa</i> Roth) in Korean soil
June 12(Thu)	15:30~16:20	P3-413	Advances in Rhizosphere Regulation and Soil Nutrient Management	AK1097	Hakwon Yoon	Korea	Pohang University of Science and Technology (POSTECH)	Poster	Enhancement of phosphate and zinc solubilization by a novel plant growth promoting bacteria strain <i>Gluconacetobacter</i> sp. in soil
June 12(Thu)	15:30~16:20	P3-414	Advances in Rhizosphere Regulation and Soil Nutrient Management	AK2323	Myung-Sook Kim	Korea	National Academy of Agricultural Science, RDA	Poster	Influence of Chelating Agents and Nitric Acid on the Growth of Cherry Tomato and Solubilization of Accumulated Phosphate in Soils
June 12(Thu)	15:30~16:20	P3-415	Advances in Rhizosphere Regulation and Soil Nutrient Management	AK3191	Yong Bok Lee	Korea	Gyeongsang National University	Poster	Biomass Production in Pure and Mixed Barley-Hairy Vetch Green Manure and Its Effects on Rice Production
June 12(Thu)	15:30~16:20	P3-416	Ecological Significance of Soil Organic Phosphorus	AF0058	Jamiu Azeez	Nigeria	Federal University of Agriculture, Abeokuta	Poster	Contributions of manures to soil phosphorus fractions and their relationship with maize dry matter yield and P uptake in two tropical
June 12(Thu)	15:30~16:20	P3-417	Ecological Significance of Soil Organic Phosphorus	AF0295	Ini Edem	Nigeria	University of Uyo	Poster	Experimental assessment of phosphorus from bounded runoff plots under natural rainfall as affected by the application of manures
June 12(Thu)	15:30~16:20	P3-418	Ecological Significance of Soil Organic Phosphorus	AF0351	Adel Reyhanitabar	Iran	University of Tabriz	Poster	Development of an alternative to the Olsen test for determining corn plant-available phosphorus in calcareous Soils
June 12(Thu)	15:30~16:20	P3-419	Ecological Significance of Soil Organic Phosphorus	AF0456	Amhakhian Sunday	Nigeria	Lecturing	Poster	Effects of Different Fertilizer Treatments on Nutrient (Phosphorus) Release Pattern in an Ultisol of Anyigba, Kogi State
June 12(Thu)	15:30~16:20	P3-420	Ecological Significance of Soil Organic Phosphorus	AF0522	Leo Condron	New Zealand	Lincoln University	Poster	Soil organic phosphorus transformations along a coastal dune chronosequence under New Zealand temperate rain forest
June 12(Thu)	15:30~16:20	P3-421	Ecological Significance of Soil Organic Phosphorus	AF0972	Md Alamgir	Bangladesh	University of Chittagong	Poster	Changes in P pools over three months in two soils amended with legume residues
June 12(Thu)	15:30~16:20	P3-422	Ecological Significance of Soil Organic Phosphorus	AF1205	Waqas Khan	Pakistan	SOIL SCIENCE	Poster	Zinc Requirement for Optimum Grain Yield and Zinc concentration Depends on Phosphorus Application to Wheat Cultivars
June 12(Thu)	15:30~16:20	P3-423	Ecological Significance of Soil Organic Phosphorus	AF1427	Li Yuyuan	China	Institute of Subtropical Agriculture, Chinese	Poster	Study on phosphorus leaching risk and quantitative assessment of cultivated soils in subtropical area of China
June 12(Thu)	15:30~16:20	P3-424	Ecological Significance of Soil Organic Phosphorus	AF1473	Elisabeth Sorkau	Germany	Eberhard Karls University Tuebingen	Poster	Plant species richness but not management affects microbial phosphorus concentrations in grassland and forest soils

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June 12(Thu)	15:30~16:20	P3-425	Ecological Significance of Soil Organic Phosphorus	AF1685	Dalel Abdi	Canada	Laval University	Poster	Predicting soil organic phosphorus using near-infrared reflectance spectroscopy
June 12(Thu)	15:30~16:20	P3-426	Ecological Significance of Soil Organic Phosphorus	AF1688	Dalel Abdi	Canada	Laval University	Poster	Unbiased statistical analysis of soil P forms determined by 31P-NMR spectroscopy
June 12(Thu)	15:30~16:20	P3-427	Ecological Significance of Soil Organic Phosphorus	AF1723	Nor Ashikin Ahmad	Australia	Griffith University	Poster	Phosphorus availability in an organically amended vegetable soil
June 12(Thu)	15:30~16:20	P3-428	Ecological Significance of Soil Organic Phosphorus	AF1752	Klaus Jarosch	Switzerland	ETH Zurich	Poster	Applicability and limitations of enzyme addition assays for the characterisation of soil organic phosphorus across a range of soil
June 12(Thu)	15:30~16:20	P3-429	Ecological Significance of Soil Organic Phosphorus	AF1804	Guohua Li	China	China Agricultural University	Poster	A Comparison of Phosphorus Characterization in Animal Manure by Conventional Procedures and Solution Phosphorus-31 Nuclear
June 12(Thu)	15:30~16:20	P3-430	Ecological Significance of Soil Organic Phosphorus	AF1951	Anjani Weerasekara	Australia	University of Western Australia	Poster	What effect does pig waste have on microbes involved in the phosphorus cycle in soil?
June 12(Thu)	15:30~16:20	P3-431	Ecological Significance of Soil Organic Phosphorus	AF1995	Phil Haygarth	United Kingdom	Lancaster University	Poster	Soil Organic Phosphorus in Critical and Non-Critical Hydrological Source Areas
June 12(Thu)	15:30~16:20	P3-432	Ecological Significance of Soil Organic Phosphorus	AF2096	Tiequan Zhang	Canada	Agriculture & Agri-Food Canada	Poster	Phosphorus Losses from Tile Drained Agricultural Lands in Canada, an Overview
June 12(Thu)	15:30~16:20	P3-433	Ecological Significance of Soil Organic Phosphorus	AF2114	Sasha Jenkins	Australia	University of western australia UWA	Poster	Unravelling microbial P cycling in soils receiving organic P fertiliser inputs
June 12(Thu)	15:30~16:20	P3-434	Ecological Significance of Soil Organic Phosphorus	AF2202	Gabriela Velasquez	Chile	Universidad de la Frontera	Poster	Organic phosphorus contribution and chemical characterization of residual fraction derived from Hedley fractionation in Andisol.
June 12(Thu)	15:30~16:20	P3-435	Ecological Significance of Soil Organic Phosphorus	AF2213	Yonathan Redel	Chile	Universidad de La Frontera	Poster	ASSESSMENT OF THE ALUMINIUM, IRON AND SILICUM ROLE ON PHOSPHORUS FRACTIONS IN GRASSLANDS ANDISOLS
June 12(Thu)	15:30~16:20	P3-436	Ecological Significance of Soil Organic Phosphorus	AF2253	Jinshui Wu	China	Institute of Subtropical Agriculture (ISA), the Chinese	Poster	Microbial mobilization of inorganic P is a key process to promote P availability in highly-weathered soils
June 12(Thu)	15:30~16:20	P3-437	Ecological Significance of Soil Organic Phosphorus	AF2435	David Espinosa-Victoria	Mexico	Colegio de Postgraduados	Poster	Edaphic phosphate mineralization mediated by rhizobacterial organic acids
June 12(Thu)	15:30~16:20	P3-438	Ecological Significance of Soil Organic Phosphorus	AF2447	Timothy McLaren	Australia	School of Agriculture, Food and Wine, The University of	Poster	What are the major forms of organic P in Vertisols?
June 12(Thu)	15:30~16:20	P3-439	Ecological Significance of Soil Organic Phosphorus	AF2457	Chengrong Chen	Australia	School of Environmental Sciences, Griffith University	Poster	Shifts in soil organic phosphorus composition and phosphatase activities in response to conversion of the native forest to the
June 12(Thu)	15:30~16:20	P3-440	Ecological Significance of Soil Organic Phosphorus	AF2542	Francis Tetteh	Ghana	CSIR-Soil Research Institute	Poster	Comparing phosphorus mineralization from decomposing plant materials incorporated into savanna and forest soils of Ghana
June 12(Thu)	15:30~16:20	P3-441	Ecological Significance of Soil Organic Phosphorus	AF2737	Xionghan Feng	China	Huazhong Agricultural University	Poster	Adsorption and precipitation of myo-inositol hexaphosphate on amorphous aluminum hydroxide
June 12(Thu)	15:30~16:20	P3-442	Ecological Significance of Soil Organic Phosphorus	AF3000	Tanveer Iqbal	Pakistan	PMAS-AAUR	Poster	Overcoming phosphorus deficiency in soil by using municipal waste compost enriched with rock phosphate and PSB
June 12(Thu)	15:30~16:20	P3-443	Ecological Significance of Soil Organic Phosphorus	AF3255	Ambrose Amba	Nigeria	Abubakar Tafawa Balewa University, Bauchi	Poster	Effect of phosphorus fertilizer fortified with molybdenum on nitrogen fixation in cowpea (Vigna Unguiculata (L.) Walp.) in the Northern
June 12(Thu)	15:30~16:20	P3-444	Ecological Significance of Soil Organic Phosphorus	AF3274	Chen Shuo	China	China Agricultural University	Poster	Impact of manure, straw and nitrogen application on phosphorus fractionation in soil and leachate in greenhouse vegetable field
June 12(Thu)	15:30~16:20	P3-445	Ecological Significance of Soil Organic Phosphorus	AK1760	Jun-Young Kim	Korea	Korea Atomic Energy Research Institute	Poster	Radiation crosslinking of CMC-Na/PVP composite hydrogel and its application as a fertilizer for the recovery of nutrient ions from
June 12(Thu)	15:30~16:20	P3-446	Ecological Significance of Soil Organic Phosphorus	AK3214	Jinkwan Son	Korea	National Academy of Agricultural Science, RDA	Poster	The soil environment factor affecting vegetation-diversity at pond wetland in agricultural landscape, korea
June 12(Thu)	15:30~16:20	P3-447	Ecological Significance of Soil Organic Phosphorus	AF0072	Umakanta Behera	India	Indian Agricultural Research Institute, New Delhi	Poster	Conservation agriculture for enhancing resource use efficiency, carbon sequestration, soil and crop productivity
June 12(Thu)	15:30~16:20	P3-448	Ecological Significance of Soil Organic Phosphorus	AF2634	Suphachai Amkha	Thailand	Kasetsart University	Poster	Effects of Rice Straw Managements with Fertilizer Types on Enhancing Growth, Yield and Carbon Stock in Rice

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Date	Time	Code-N	Session	Abstract No	Name	Country	Affiliation	Final Type	Abstract Title
June 12(Thu)	All day	Art Poster	Management and Reclamation of Mining Site Soils-art		Mathias Kessler				
June 12(Thu)	15:30~16:20	P3-449	Management and Reclamation of Mining Site Soils	AF0316	Karen Ghazaryan	Armenia	Yerevan State University	Poster	General characteristic of soils in ecologically vulnerable mining areas around Kajaran town in Armenia
June 12(Thu)	15:30~16:20	P3-450	Management and Reclamation of Mining Site Soils	AF0639	Carmela Arevalo	Canada	Suncor Energy Inc.	Poster	The Role of Reclamation Research in Re-establishing Functional Ecosystems in the Oil Sands Region of Northeastern Alberta
June 12(Thu)	15:30~16:20	P3-451	Management and Reclamation of Mining Site Soils	AF0712	Bekmamat Djenbaev	Kyrgyzstan	Institute Biology & Pedology of National Academy of	Poster	Soil and mining problem in the Kyrgyzstan
June 12(Thu)	15:30~16:20	P3-452	Management and Reclamation of Mining Site Soils	AF0721	Xin Song	China	Chinese Academy of Sciences	Poster	Reclamation Cover System Design based on Environmental Impact Evaluation due to Phosphate Mining Activities
June 12(Thu)	15:30~16:20	P3-453	Management and Reclamation of Mining Site Soils	AF0725	Karen Ghazaryan	Armenia	Yerevan State University	Poster	Monitoring of soils in ecologically vulnerable mining areas around Shamlnoogh town in Armenia
June 12(Thu)	15:30~16:20	P3-454	Management and Reclamation of Mining Site Soils	AF0778	Pedro Tume	Chile	Universidad Catolica de la Santisima Concepcion	Poster	Trace metal concentrations in schoolyard soils; Talcahuano, Chile
June 12(Thu)	15:30~16:20	P3-455	Management and Reclamation of Mining Site Soils	AF0808	Haibo Zhang	China	Yantai Institute of Coastal Zone Research, Chinese	Poster	Mineralogy characteristics of the soils in the site stockpiled by chromite ore process residue (CORP) and its decontamination by ex-
June 12(Thu)	15:30~16:20	P3-456	Management and Reclamation of Mining Site Soils	AF0913	Talitha Santini	Australia	The University of Queensland	Poster	Development of microbial community diversity during remediation of alkaline, saline tailings: towards improved remediation strategies
June 12(Thu)	15:30~16:20	P3-457	Management and Reclamation of Mining Site Soils	AF1222	Jaume Bech	Spain	University of Barcelona	Poster	Lead accumulation in native plants growing on mining soils of Peruvian Andes
June 12(Thu)	15:30~16:20	P3-458	Management and Reclamation of Mining Site Soils	AF1229	Flavio Camargo	Brazil	UFRGS	Poster	Heavy metal extraction by spontaneous plants growing on multi-metal contaminated site in South Brazil
June 12(Thu)	15:30~16:20	P3-459	Management and Reclamation of Mining Site Soils	AF1343	Richard Haynes	Australia	The University of Queensland	Poster	Leaching of nutrients and plant growth in bauxite residue sand after addition of amendments
June 12(Thu)	15:30~16:20	P3-460	Management and Reclamation of Mining Site Soils	AF1441	Francisco Pardo	Spain	Jaume I University	Poster	Characterization of soils in wetlands of the Lower Basin Babahoyo River (Ecuador)
June 12(Thu)	15:30~16:20	P3-461	Management and Reclamation of Mining Site Soils	AF1447	Francisco Pardo	Spain	Jaume I University	Poster	Spatial and Temporal Variability of Salinity soil in Rice Wetlands of the Lower Guayas Basin (Ecuador)
June 12(Thu)	15:30~16:20	P3-462	Management and Reclamation of Mining Site Soils	AF1566	Garry Willgoose	Australia	The University of Newcastle	Poster	Using landform evolution models to assess the erosional stability of waste encapsulation structures at the millennial timescale.
June 12(Thu)	15:30~16:20	P3-463	Management and Reclamation of Mining Site Soils	AF1570	Stephen Cattle	Australia	The University of Sydney	Poster	The fluvial transport of lead (Pb) from an orebody in an arid Australian landscape
June 12(Thu)	15:30~16:20	P3-464	Management and Reclamation of Mining Site Soils	AF1841	Pichamon Intamo	Thailand	Kasetsart University	Poster	Geochemistry of heavy metals in soils of mineralized and non-mineralized areas, western Thailand
June 12(Thu)	15:30~16:20	P3-465	Management and Reclamation of Mining Site Soils	AF1896	Jose A. Acosta	Spain	Technical University of Cartagena	Poster	Effect of amendments and microorganisms application in the evolution of spontaneous plant colonization in tailing ponds
June 12(Thu)	15:30~16:20	P3-466	Management and Reclamation of Mining Site Soils	AF1930	Chukwuebuka Okolo	Nigeria	University of Nigeria	Poster	Assessment of heavy metal contamination of soils and water properties in and around open cast mines of Enyigba area, Ebonyi
June 12(Thu)	15:30~16:20	P3-467	Management and Reclamation of Mining Site Soils	AF1931	Douw Bodenstien	South Africa	North West University	Poster	Quantifying the wind speed amplification effect on tailings storage facilities
June 12(Thu)	15:30~16:20	P3-468	Management and Reclamation of Mining Site Soils	AF1953	Maria Manuela Abreu	Portugal	Universidade de Lisboa, Instituto Superior de	Poster	Inter-populational variation on the accumulation of hazardous elements and nutrients in <i>Cistus monspeliensis</i> L. growing in
June 12(Thu)	15:30~16:20	P3-469	Management and Reclamation of Mining Site Soils	AF1999	Lubos Boruvka	Czech Republic	Czech University of Life Sciences Prague	Poster	Content of potentially toxic elements in dumpsite soils after brown coal mining as affected by the reclamation method
June 12(Thu)	15:30~16:20	P3-470	Management and Reclamation of Mining Site Soils	AF2028	Anand Narain Singh	India	Panjab University Chandigarh	Poster	Comparative Restoration Potential and Soil carbon Sequestration Efficiency of certain Indigenous and Exotic Woody Species planted
June 12(Thu)	15:30~16:20	P3-471	Management and Reclamation of Mining Site Soils	AF2049	Edoardo Costantini	Italy	Consiglio per la ricerca e la sperimentazione in	Poster	Smectite formation in mine tail soils affects macroporosity, hydrological properties, and pollutants flow

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June 12(Thu)	15:30~16:20	P3-472	Management and Reclamation of Mining Site Soils	AF2174	Stephane Boyer	New Zealand	Lincoln University	Poster	The potential and risks of biosolids application in opencast mine restoration
June 12(Thu)	15:30~16:20	P3-473	Management and Reclamation of Mining Site Soils	AF2233	Maria Clara Zuluaga Velez	Italy	Universita degli Studi di Napoli Federico II	Poster	Geochemical mapping of polluted soils and environmental risk assessment: a comparison case study in the Province of Huelva
June 12(Thu)	15:30~16:20	P3-474	Management and Reclamation of Mining Site Soils	AF2549	Jaume Bech	Spain	University of Barcelona	Poster	General characteristics of organic matter in reclaimed soils
June 12(Thu)	15:30~16:20	P3-475	Management and Reclamation of Mining Site Soils	AF2692	Barry Noller	Australia	University of Queensland	Poster	Speciation and bioavailability of metals and metalloids in managing health risks of mine wastes for rehabilitation
June 12(Thu)	15:30~16:20	P3-476	Management and Reclamation of Mining Site Soils	AF2898	Jim Germida	Canada	University of Saskatchewan	Poster	Plant microbe associations for reclamation of oil sand mining sites in Canada
June 12(Thu)	15:30~16:20	P3-477	Management and Reclamation of Mining Site Soils	AK2418	Choong Hyun Lee	Korea	Korea University	Poster	Characterization of soils around an old abandoned smelter at Jang Hang, Korea
June 12(Thu)	15:30~16:20	P3-478	Salinity Management When Irrigating with Marginal Quality Waters	AF0242	Xiaoning Zhao	Germany	Hohenheim University	Poster	Soil water retention and water use efficiency of cotton under plastic mulched drip irrigation in soils of different salinities in the Tarim
June 12(Thu)	15:30~16:20	P3-479	Salinity Management When Irrigating with Marginal Quality Waters	AF0326	Saeed Saadat	Iran	soil and water research institute	Poster	Modeling Sorghum Response to Irrigation Water Salinity at Early Growth Stage
June 12(Thu)	15:30~16:20	P3-480	Salinity Management When Irrigating with Marginal Quality Waters	AF0373	Nosratollah Najafi	Iran	University of Tabriz	Poster	Interactive effects of NaCl salinity and waterlogging on availability of copper, iron, manganese and zinc in two different soils
June 12(Thu)	15:30~16:20	P3-481	Salinity Management When Irrigating with Marginal Quality Waters	AF3031	Frederic Feder	France	CIRAD	Poster	Impact Study on the Application of Vinasse to Cambisol and vertic Luvisol in Ethiopia.
June 12(Thu)	15:30~16:20	P3-482	Salinity Management When Irrigating with Marginal Quality Waters	AK0964	Sanghun Lee	Korea	National Institute of Crop Science, RDA	Poster	Effect of Drip Irrigation on Corn (Zea mays) Growth in Reclaimed Tidal Saline Soil
June 12(Thu)	All day	Art Poster	Education and Social Awareness for Soil Science in General Public-art		Tattfoo Tan				
June 12(Thu)	15:30~16:20	P3-483	Education and Social Awareness for Soil Science in General Public	AF0333	Gary Pierzynski	USA	Kansas State University	Poster	Peak Soil- Exploring Relationships Between Soil Quality and the Nutritional Density of Crops
June 12(Thu)	15:30~16:20	P3-484	Education and Social Awareness for Soil Science in General Public	AF0444	Forbes Walker	USA	University of Tennessee	Poster	Experiences with Developing and Implementing Watershed Scale Projects to Improve Water Quality in East Tennessee, USA
June 12(Thu)	15:30~16:20	P3-485	Education and Social Awareness for Soil Science in General Public	AF0525	Tiberious Etyang	Kenya	University of Nairobi	Poster	EXPLORING RELEVANCE OF AGRO INPUT DEALERS IN DISSEMINATION AND COMMUNICATION OF SOIL FERTILITY
June 12(Thu)	15:30~16:20	P3-486	Education and Social Awareness for Soil Science in General Public	AF0566	Kuldeep Singh	India	Amity University Uttar Pardesh	Poster	SOIL ZINC DEFICIENCY AND ITS IMPACT ON HUMAN HEALTH IN INDIA: AN OVERVIEW
June 12(Thu)	15:30~16:20	P3-487	Education and Social Awareness for Soil Science in General Public	AF0816	Deborah De Oliveira	Brazil	University of Sao Paulo	Poster	Education and social awareness in the city of sao Paulo-Brazil.
June 12(Thu)	15:30~16:20	P3-488	Education and Social Awareness for Soil Science in General Public	AF0984	Fabio Nunes	Brazil	Instituto Federal Baiano	Poster	"LIBRARY OF ROCKS": AN IMPORTANT TOOL FOR THE LEARNING OF SOILS
June 12(Thu)	15:30~16:20	P3-489	Education and Social Awareness for Soil Science in General Public	AF1230	Somsak Sukchan	Thailand	Land Development Department , MOAC ,	Poster	Process for soils museum preparation
June 12(Thu)	15:30~16:20	P3-490	Education and Social Awareness for Soil Science in General Public	AF1302	Miloud Hafsi	Algeria	University of Setif 1, ALGERIA	Poster	Behavior of Farmers Under Climate Change in Eastern Algeria
June 12(Thu)	15:30~16:20	P3-491	Education and Social Awareness for Soil Science in General Public	AF1572	Mitchell Timmerman	Canada	Manitoba Agriculture, Food and Rural Development	Poster	Interactive extension techniques effectively engage audiences regarding agriculture and water quality in Manitoba, Canada
June 12(Thu)	15:30~16:20	P3-492	Education and Social Awareness for Soil Science in General Public	AF1637	Said Al-Ismaily	Oman	Sultan Qaboos University	Poster	Understanding Soils: Inspiring the New Generation Towards Agricultural and Environmental Sustainability. A workshop for School
June 12(Thu)	15:30~16:20	P3-493	Education and Social Awareness for Soil Science in General Public	AF1668	John Bennett	Australia	National Centre for Engineering in Agriculture,	Poster	Improving soils knowledge through an intelligent platform for knowledge transfer and data management in agriculture
June 12(Thu)	15:30~16:20	P3-494	Education and Social Awareness for Soil Science in General Public	AF2161	Roger Maxi Ddungu	Uganda	Rural-Urban Environmental Agency	Poster	Influencers of food security and food dietary diversity in rural semi - Arid communities

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June 12(Thu)	15:30~16:20	P3-495	Education and Social Awareness for Soil Science in General Public	AF2200	Mitchell Timmerman	Canada	Manitoba Agriculture, Food and Rural Development	Poster	Reconnecting the public with soils and agriculture in Manitoba, Canada is achieved through the use of interactive extension
June 12(Thu)	15:30~16:20	P3-496	Education and Social Awareness for Soil Science in General Public	AF2497	Claire Harris	Australia	CSIRO	Poster	Appy days in communicating soil science
June 12(Thu)	15:30~16:20	P3-497	Education and Social Awareness for Soil Science in General Public	AF2552	Hanae Yokokawa	Japan	University of Tokyo	Poster	Educational Program with Agricultural Practice and Sensor Data Analysis for Primary School Students in Tokyo -Dr. Doroemon
June 12(Thu)	15:30~16:20	P3-498	Education and Social Awareness for Soil Science in General Public	AF2679	Toshiaki Ohkura	Japan	National Institute for Agro-Environmental Sciences	Poster	Open society and soil inventory
June 12(Thu)	15:30~16:20	P3-499	Education and Social Awareness for Soil Science in General Public	AF2795	Sergey Khokhlov	Russia	V.V. Dokuchaev Soil Science Institute	Poster	Interactive Soil Map of Russia
June 12(Thu)	15:30~16:20	P3-500	Education and Social Awareness for Soil Science in General Public	AF2835	Bashir Sani	Nigeria	Ahmadu Bello University	Poster	CREATING AWARENESS ON IMPORTANCE AND MANAGEMENT OF SOIL BY RURAL FARMERS IN NIGERIA: ROLE OF NAERLS ADOPTED
June 12(Thu)	15:30~16:20	P3-501	Education and Social Awareness for Soil Science in General Public	AF2955	Jonathan Gray	Australia	NSW Office of Environment and Heritage	Poster	Presenting an international educational poster on World Soil Distribution
June 12(Thu)	15:30~16:20	P3-502	Education and Social Awareness for Soil Science in General Public	AF3009	Meinhard Breiling	Austria	BIENE - Soil and Bioenergy Network in Europe	Poster	Colours of the Earth
June 12(Thu)	15:30~16:20	P3-503	Education and Social Awareness for Soil Science in General Public	AF3014	Carlos Cruz	Mexico	INEGI	Poster	Soil Atlas of Latin America: an innovative tool for policy development and awareness raising.
June 12(Thu)	15:30~16:20	P3-504	Education and Social Awareness for Soil Science in General Public	AF3036	Chris Baxter	USA	University of Wisconsin-Platteville	Poster	Generating Interest in Soil Science through Collegiate Soils Contests
June 12(Thu)	15:30~16:20	P3-505	Education and Social Awareness for Soil Science in General Public	AF3041	Ann D. Jabro	USA	Robert Morris University	Poster	Soil Scientists Communicate Research Findings During Annual Field Days: Best Practices for Public Presentations
June 12(Thu)	15:30~16:20	P3-506	Education and Social Awareness for Soil Science in General Public	AF3314	Sigbert Huber	Austria	Environment Agency Austria	Poster	Instruments to Raise Soil Awareness in Schools and Support National Soil Protection
June 12(Thu)	All day	Art Poster	Widening the Soil Science Course to the Various Directions of Scientific		Claire Pentecost				
June 12(Thu)	15:30~16:20	P3-507	Widening the Soil Science Course to the Various Directions of Scientific	AF0055	Nuria Roca	Argentina	Universidad Nacional del Centro de la Provincia de	Poster	Learning Soil Classification through Virtual Learning Environment
June 12(Thu)	15:30~16:20	P3-508	Widening the Soil Science Course to the Various Directions of Scientific	AF1568	Stephen Cattle	Australia	The University of Sydney	Poster	Soil judging as an instrument for community-building in the discipline of soil science
June 12(Thu)	15:30~16:20	P3-509	Widening the Soil Science Course to the Various Directions of Scientific	AF1569	Sheryl Kunickis	USA	USDA	Poster	The Value of Soil Science Information and Opportunities for Informing Policy Decisions
June 12(Thu)	15:30~16:20	P3-510	Widening the Soil Science Course to the Various Directions of Scientific	AF1996	Cristine Morgan	USA	Texas A&M University	Poster	Introducing soil and plant science: Undergraduates learning through experiences
June 12(Thu)	15:30~16:20	P3-511	Widening the Soil Science Course to the Various Directions of Scientific	AF2349	David Myrold	USA	Oregon State University	Poster	TerraGenome-The Soil Metagenome Network
June 12(Thu)	15:30~16:20	P3-512	Widening the Soil Science Course to the Various Directions of Scientific	AF3005	Saloomeh Seyedalikhani	Iran		Poster	Alternatives for Mushroom Cultivation Casing Soil
June 12(Thu)	15:30~16:20	P3-513	Widening the Soil Science Course to the Various Directions of Scientific	AF3042	Ann D. Jabro	USA	Robert Morris University	Poster	Technical Soil Science Research Results in the Poster Format: Best Practices for Effective Communication
June 12(Thu)	15:30~16:20	P3-514	Widening the Soil Science Course to the Various Directions of Scientific	AK2805	Hee-Myong Ro	Korea	Seoul National University	Poster	Soil Science in Religion, Arts, Society and History
June 12(Thu)	15:30~16:20	P3-515	Soil Monitoring for Mankind and Environment Safety	AF0012	Khaled Zaeri	Iran	hovyzeh municipality , hovyzeh,khuzestan, iran	Poster	Creating surface soil texture map with indicator kriging technique: A case study of central Iran soils
June 12(Thu)	15:30~16:20	P3-516	Soil Monitoring for Mankind and Environment Safety	AF0045	Bayu Nugraha	Indonesia	Faculty of geological engineering	Poster	Regional Evaluation of Potential Landslide Earthquake and Wave Vibration Effect Based Relative Method (REM) and Geotechnical
June 12(Thu)	15:30~16:20	P3-517	Soil Monitoring for Mankind and Environment Safety	AF0389	Nisa Latifa	Indonesia	Bogor Agriculture University	Poster	Development of Land use and Land Cover areas of Nanggroe Aceh Darussalam Province around 10 years after the Tsunami Disaster

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June 12(Thu)	15:30~16:20	P3-518	Soil Monitoring for Mankind and Environment Safety	AF0486	Rodelio Carating	Philippines	Bureau of Soils and Water Management	Poster	Land Degradation in the Philippines Based on the FAO-LADA Land Use System Approach
June 12(Thu)	15:30~16:20	P3-519	Soil Monitoring for Mankind and Environment Safety	AF0569	Ahmad Muhaimeed	Iraq	baghdad uniiversity	Poster	CLASSIFICATION AND DISTRIBUTION OF IRAQI SOILS
June 12(Thu)	15:30~16:20	P3-520	Soil Monitoring for Mankind and Environment Safety	AF0753	Xiao-Gang Li	China	Institute of Soil Science, Chinese Academy of	Poster	Long-term of the consecutively monocultured peanut obviously alters the community composition of soil nematodes in the red soil
June 12(Thu)	15:30~16:20	P3-521	Soil Monitoring for Mankind and Environment Safety	AF0849	Thomas Reinsch	USA	USDA Natural Resources Conservation Service	Poster	Haiti Pilot Soil Survey Initiative
June 12(Thu)	15:30~16:20	P3-522	Soil Monitoring for Mankind and Environment Safety	AF1116	Muhammad Rafiq	Pakistan	PINSTECH	Poster	ASSESSMENT OF SOIL LOSSES FROM MANAGED AND UNMANAGED SITES IN A SUBCATCHMENT OF RAWAL DAM, PAKISTAN USING
June 12(Thu)	15:30~16:20	P3-523	Soil Monitoring for Mankind and Environment Safety	AF1231	Aslihan Esringu	Turkey	Ataturk University	Poster	Effects of Humic Acid in remediation of heavy metals (Pb and Cd) with Canola plants (Brassica napus L.)
June 12(Thu)	15:30~16:20	P3-524	Soil Monitoring for Mankind and Environment Safety	AF1272	Luigi P. D'acqui	Italy	Consiglio Nazionale delle Ricerche - CNR	Poster	Soil properties prediction of the main national Italian soil typologies by means of mid-infrared diffuse reflectance spectroscopy
June 12(Thu)	15:30~16:20	P3-525	Soil Monitoring for Mankind and Environment Safety	AF1407	Liming Zhang	China	Fujian Agriculture and Forestry University	Poster	Map Scale Effects on Soil Phosphorus Storage Estimation in the Uplands of Eastern China
June 12(Thu)	15:30~16:20	P3-526	Soil Monitoring for Mankind and Environment Safety	AF2115	Osvaldo Jose Pereira	Brazil	Universidade de Sao Paulo	Poster	Interpretation of vegetation and topographic features related to soil types in Amazon Forest: Comparison of two watersheds by the use
June 12(Thu)	15:30~16:20	P3-527	Soil Monitoring for Mankind and Environment Safety	AF2778	Dmitrii Golovanov	Russia	Geographical Faculty of Lomonosov Moscow State	Poster	Space-time digital mapping of gypsum horizons micromorphotipes in arid region (piedmont plain of Turkestan ridge (Uzbekistan) as
June 12(Thu)	15:30~16:20	P3-528	Soil Monitoring for Mankind and Environment Safety	AF3032	Adonis Moreira	Brazil	Embrapa Soybean	Poster	Efficiency of sulfur application on soybean in two types of Oxisols in southern Brazil
June 12(Thu)	15:30~16:20	P3-529	Soil Monitoring for Mankind and Environment Safety	AK3320	Hyoung Seop Kim	Korea	national institute of environmental research	Poster	Comparison of Sample Preparation Methods for the Fluoride in Soil Material
June 12(Thu)	15:30~16:20	P3-530	WRB - Lessons Learned from the Development of the Third Edition	AF0181	Markku Yli-Halla	Finland	University of Helsinki	Poster	Update of the WRB soil classes in the 250K Soil Database of Finland: expression of soil moisture regime in mineral soils
June 12(Thu)	15:30~16:20	P3-531	WRB - Lessons Learned from the Development of the Third Edition	AF3026	Hakki Emrah Erdogan	Turkey	Turkish Republic Ministry of Food, Agriculture and	Poster	Converting Legacy Soil Map of Turkey into the World Reference Base (WRB) for Soil Resources- Case Study: Gaziantep, Turkey
June 12(Thu)	15:30~16:20	P3-532	WRB - Lessons Learned from the Development of the Third Edition	AF3294	Roman Desyatkin	Russia	Institute for biological problems of cryolithozone SB	Poster	Specific Features of Pedogenesis in Thermokarst Depressions (Alases) of the Permafrost Zone and the Place of Alas Soils in the World
June 12(Thu)	15:30~16:20	P3-533	WRB - Lessons Learned from the Development of the Third Edition	AF3295	Jonathan Gray	Australia	NSW Office of Environment and Heritage	Poster	World distribution of WRB reference soil groups presented on new educational poster
June 12(Thu)	15:30~16:20	P3-534	WRB - Lessons Learned from the Development of the Third Edition	AF3299	Brian Murphy	Australia	Office of Environment and Heritage	Poster	Estimates of the rates and processes of development of texture profiles in some Australian soils - implications for the definition of
June 12(Thu)	15:30~16:20	P3-535	WRB - Lessons Learned from the Development of the Third Edition	AF3302	Lucia Helena Anjos	Brazil	UFRRJ	Poster	New qualifier in WRB based on Brazilian soils with high iron contents
June 12(Thu)	15:30~16:20	P3-536	WRB - Lessons Learned from the Development of the Third Edition	AF3304	Karen Vancampenhout	Belgium	University of Leuven	Poster	Genesis and variability of Anthrosols in the Campine area of Belgium
June 12(Thu)	15:30~16:20	P3-537	WRB - Lessons Learned from the Development of the Third Edition	AF3305	Karen Vancampenhout	Belgium	University of Leuven	Poster	Digging deeper in soil classification: could buried palaeosols be adequately represented in the World Reference Base system?
June 12(Thu)	15:30~16:20	P3-538	WRB - Lessons Learned from the Development of the Third Edition	AF3306	Nikolay Khitrov	Russia	V.V.Dokuchaev Soil Science Institute	Poster	Symbols for diagnostic horizons: experience of the Russian soil classification system and proposals for WRB
June 12(Thu)	15:30~16:20	P3-539	WRB - Lessons Learned from the Development of the Third Edition	AF3309	Carlos Omar Cruz Gaistardo	Mexico	Instituto Nacional de Estadística y Geografía	Poster	Application of WRB 2014 (FAO) in the Greenhouse Gas Emissions Inventory for the Biennial Report in Land Use and Forestry of Mexico
June 12(Thu)	15:30~16:20	P3-540	WRB - Lessons Learned from the Development of the Third Edition	AF3297	Erika Micheli	Hungary	Szent Istvan University	Poster	Suggestion for modification of the setting of salt affected soils in the new WRB classification key
June 12(Thu)	15:30~16:20	P3-541	Understanding Acid Sulfate Soils: The Key to Their Proper Management	AF0027	Faustino Villamayor	Philippines	Visayas State University	Poster	pH and lime requirement of soils on the dike and on the drained pond bottom of a fish pond on an acid sulfate soils in Leyte,

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June 12(Thu)	15:30~16:20	P3-542	Understanding Acid Sulfate Soils: The Key to Their Proper Management	AF0073	Mouhamadou Diop	Senegal	SAED	Poster	correction of sulfate soils
June 12(Thu)	15:30~16:20	P3-543	Understanding Acid Sulfate Soils: The Key to Their Proper Management	AF0232	Seija Virtanen	Finland	University of Helsinki, Finnish Drainage Foundation	Poster	Response of aluminium dissolved in soil solution and drainage water on the waterlogging of cultivated boreal acid sulphate soils
June 12(Thu)	15:30~16:20	P3-544	Understanding Acid Sulfate Soils: The Key to Their Proper Management	AF0649	Gustav Sohlenius	Sweden	Geological Survey of Sweden (SGU)	Poster	Sulfidic sediments and acid sulfate soils in Sweden
June 12(Thu)	15:30~16:20	P3-545	Understanding Acid Sulfate Soils: The Key to Their Proper Management	AF0910	Piotr Hulisz	Poland	Nicolaus Copernicus University, Torun	Poster	Some aspects of acidification of the coastal saline soils in Poland
June 12(Thu)	15:30~16:20	P3-546	Understanding Acid Sulfate Soils: The Key to Their Proper Management	AF0979	Tanabhatsakorn Sukitprapanon	Thailand	Kasetsart University	Poster	Geochemical characteristics of acid sulfate soils in Thailand
June 12(Thu)	15:30~16:20	P3-547	Understanding Acid Sulfate Soils: The Key to Their Proper Management	AF1090	Mirkka Hadzic	Finland	Finnish Environment Institute	Poster	Management of Sulfide induced Acidity in Peat Extraction (SuHE)
June 12(Thu)	15:30~16:20	P3-548	Understanding Acid Sulfate Soils: The Key to Their Proper Management	AF1382	Elisa Azura Azman	Japan	University of Tokyo	Poster	Changes in Soil Chemical Properties of an Acid Sulfate Soil in Malaysia with Addition of Calcium Silicate Under Submerged
June 12(Thu)	15:30~16:20	P3-549	Understanding Acid Sulfate Soils: The Key to Their Proper Management	AF1436	Anton Boman	Finland	Geological Survey of Finland	Poster	Coarse-grained low-sulfur acid sulfate soil materials in Finland
June 12(Thu)	15:30~16:20	P3-550	Understanding Acid Sulfate Soils: The Key to Their Proper Management	AF1450	Peter Eden	Finland	Geological Survey of Finland (GTK)	Poster	Revised acid sulfate soil mapping procedures and classification in Finland
June 12(Thu)	15:30~16:20	P3-551	Understanding Acid Sulfate Soils: The Key to Their Proper Management	AF1791	Rona Dollentas	Philippines	Philippine Rice Research Institute	Poster	Evaluation of Laboratory Methods for Determining Lime Requirement of Philippine Acid Upland Soils
June 12(Thu)	15:30~16:20	P3-552	Understanding Acid Sulfate Soils: The Key to Their Proper Management	AF1908	Amelie Beucher	Finland	Abo Akademi University	Poster	Spatial modelling techniques for acid sulfate soil mapping in Finland
June 12(Thu)	15:30~16:20	P3-553	Understanding Acid Sulfate Soils: The Key to Their Proper Management	AF1948	Peter Osterholm	Finland	AboAkademi University	Poster	Subsurface chemication of acid sulfate soils - effects on water quality
June 12(Thu)	15:30~16:20	P3-554	Understanding Acid Sulfate Soils: The Key to Their Proper Management	AF1966	Kari Ylivainio	Finland	MTT Agrifood Research Finland	Poster	Mitigation of water pollution by ground water control on cultivated boreal acid sulfate soils
June 12(Thu)	15:30~16:20	P3-555	Understanding Acid Sulfate Soils: The Key to Their Proper Management	AF2135	Thippeswamy Holige M	Brunei	Brunei Agriculture Research centre	Poster	DISTRIBUTION, DYNAMICS AND MANAGEMENT OF ACID SULFATE SOIL IN VEGETABLE AND RICE CULTIVATION IN BRUNEI
June 12(Thu)	15:30~16:20	P3-556	Understanding Acid Sulfate Soils: The Key to Their Proper Management	AF2615	John Triantafilis	Australia	The University of New South Wales	Poster	Digital soil mapping of a coastal acid sulfate soil landscape
June 12(Thu)	15:30~16:20	P3-557	Understanding Acid Sulfate Soils: The Key to Their Proper Management	AF2646	Irshad Bibi	Pakistan	University of Agriculture Faisalabad	Poster	Acidity Neutralization through Chemical Weathering of Clay Minerals in Inland Acid Sulfate Soils
June 12(Thu)	15:30~16:20	P3-558	Understanding Acid Sulfate Soils: The Key to Their Proper Management	AF3129	Leigh Sullivan	Australia	Southern Cross University	Poster	Trends in acid sulfate soil research
June 12(Thu)	15:30~16:20	P3-559	Understanding Acid Sulfate Soils: The Key to Their Proper Management	AF3138	Leigh Sullivan	Australia	Southern Cross University	Poster	Acid sulfate soil management regulation and guidance in Australia
June 12(Thu)	15:30~16:20	P3-560	Steps made toward a Universal Soil Classification	AF0490	Cornie Van Huyssteen	South Africa	University of the Free State	Poster	Proposals for the classification of hydromorphic soils in the Universal Soil Classification system
June 12(Thu)	15:30~16:20	P3-561	Steps made toward a Universal Soil Classification	AF0847	Paul Reich	USA	USDA NRCS	Poster	A New Global Soil Regions Map
June 12(Thu)	15:30~16:20	P3-562	Steps made toward a Universal Soil Classification	AF1422	Ben Harms	Australia	Department of Science, IT, Innovation and the Arts,	Poster	Diagnostics for the Classification of Tropical Soils
June 12(Thu)	15:30~16:20	P3-563	Steps made toward a Universal Soil Classification	AF2050	Phillip Owens	USA	Purdue Universoty	Poster	Soil Climate Regimes and the Global Application in Soil Taxonomy
June 12(Thu)	15:30~16:20	P3-564	Steps made toward a Universal Soil Classification	AF3245	Alexey Sorokin	Russia	Lomonosov Moscow State University ECFS	Poster	Harmonizing humus-enriched soil groups in different soil classification systems using taxonomic distance
June 12(Thu)	All day	Art Poster	Cryosols on a Changing Planet: Properties, Processes, Regimes and		Betty Beier				

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June 12(Thu)	15:30~16:20	P3-565	Cryosols on a Changing Planet: Properties, Processes, Regimes and	AF0574	Eva-Maria Pfeiffer	Germany	Institute of Soil Science, Center for Earth System	Poster	Organic Carbon and Nitrogen Storages in Permafrost-Affected Soils of Yedoma-Underlain Areas of the Lena River Delta
June 12(Thu)	15:30~16:20	P3-566	Cryosols on a Changing Planet: Properties, Processes, Regimes and	AF1006	Sofia Lessovaia	Russia	St-Petersburg State University	Poster	Mineralogical "portraits" of Cryosols of different climates from Northern Eurasia
June 12(Thu)	15:30~16:20	P3-567	Cryosols on a Changing Planet: Properties, Processes, Regimes and	AF1120	Carlos Schaefer	Brazil	Federal University of Vicosa	Poster	Toposequence of salt-affected soils from northern part of Seymour (Marambio) island, Antarctica
June 12(Thu)	15:30~16:20	P3-568	Cryosols on a Changing Planet: Properties, Processes, Regimes and	AF1294	Megan Balks	New Zealand	University of Waikato	Poster	Impacts of Human Activity on Antarctic Soils: a review
June 12(Thu)	15:30~16:20	P3-569	Cryosols on a Changing Planet: Properties, Processes, Regimes and	AF1612	Roman Desyatkin	Russia	Institute for biological problems of cryolithozone SB	Poster	Transformations of cryolithozone soil cover under the influence of natural and anthropogenic factors
June 12(Thu)	15:30~16:20	P3-570	Cryosols on a Changing Planet: Properties, Processes, Regimes and	AF1718	George Matyshak	Russia	Lomonosov Moscow State University	Poster	Soils thermal regime in sporadic permafrost areas (Russia,Western Siberia)
June 12(Thu)	15:30~16:20	P3-571	Cryosols on a Changing Planet: Properties, Processes, Regimes and	AF2192	Maria Dergacheva	Russia	Institute of Soil Science and Agrochemistry of Siberian	Poster	Humus specificity of Shirmaher oasis soils (East Antarctica)
June 12(Thu)	15:30~16:20	P3-572	Cryosols on a Changing Planet: Properties, Processes, Regimes and	AF2456	Dmitrii Golovanov	Russia	Geographical Faculty of Lomonosov Moscow State	Poster	Cryogenic Transformation of Soil Solutions and the Formation of Salt Profiles in Solonchaks of Mongolia: Modeling Results and
June 12(Thu)	15:30~16:20	P3-573	Cryosols on a Changing Planet: Properties, Processes, Regimes and	AF2595	Ogneva Olga	Russia	Lomonosov Moscow State University, faculty of Soil	Poster	Influence of Cryogenesis on Peatland Soils in the north of Western Siberia: bare peat spots, features and functioning
June 12(Thu)	15:30~16:20	P3-574	Cryosols on a Changing Planet: Properties, Processes, Regimes and	AF2660	Carlos Schaefer	Brazil	Federal University of Vicosa	Poster	soilcapes at the volcanic rocks of Lions Rump, Maritime Antarctica
June 12(Thu)	15:30~16:20	P3-575	Cryosols on a Changing Planet: Properties, Processes, Regimes and	AF2681	Tatiana Radchenko	Russia	Ural Federal University	Poster	Biological productivity of some natural ecosystem soils of Yamal forest-tundra
June 12(Thu)	15:30~16:20	P3-576	Cryosols on a Changing Planet: Properties, Processes, Regimes and	AF2952	Carlos Schaefer	Brazil	Federal University of Vicosa	Poster	Soils and landscapes on Quartzite and associated drift at the Heritage range, Ellsworth Mts, Continental Antarctica
June 12(Thu)	15:30~16:20	P3-577	Cryosols on a Changing Planet: Properties, Processes, Regimes and	AF3052	Alexey Desyatkin	Russia	Institute for biological problems of cryolithozone	Poster	Soil temperature regime of taiga-alas landscapes in Central Yakutia
June 12(Thu)	15:30~16:20	P3-578	Unique Contributions of Hydropedology to Integrated Soil	AF0709	Qing Zhu	China	Nanjing Insittute of Geography and Limnology,	Poster	Optimal Soil Moisture Monitoring Design Based on Hierarchical Cluster and Temporal Stability Analyses
June 12(Thu)	15:30~16:20	P3-579	Unique Contributions of Hydropedology to Integrated Soil	AF0828	Vo Quang Minh	Viet Nam	Can Tho University	Poster	Flood and dikes spatial and temporal changes delineation affecting rice soil ecosystems in the lower Mekong using MODIS satellite
June 12(Thu)	15:30~16:20	P3-580	Unique Contributions of Hydropedology to Integrated Soil	AF0834	Kaihua Liao	China	Nanjing Institute of Geography and Limnology,	Poster	Uncertainty Analysis in near-surface soil moisture estimation at two typical hillslopes in Taihu Lake Basin, China
June 12(Thu)	15:30~16:20	P3-581	Unique Contributions of Hydropedology to Integrated Soil	AF1013	Chingiz Gulaliyev	Azerbaijan	Institute of Geography of National Academy of Science	Poster	NONCHEMICAL WATER TREATMENT IN WATER TREATMENT
June 12(Thu)	15:30~16:20	P3-582	Unique Contributions of Hydropedology to Integrated Soil	AF1088	Minh Phuong Nguyen	Belgium	Ghent University	Poster	Evaluation of soil water retention PTFs for tropical Mekong delta soils
June 12(Thu)	15:30~16:20	P3-583	Unique Contributions of Hydropedology to Integrated Soil	AF1366	Lei Gao	China	Institute of Soil Science, Chinese Academy of	Poster	Spatio-temporal variability and temporal stability of profile soil moisture at a hillslope scale
June 12(Thu)	15:30~16:20	P3-584	Unique Contributions of Hydropedology to Integrated Soil	AF1607	Takuhei Yamasaki	Japan	The University of Tokyo	Poster	Effects of initial aquifer thickness and extent of water application on propagation of water pressure along shallow groundwater in a
June 12(Thu)	15:30~16:20	P3-585	Unique Contributions of Hydropedology to Integrated Soil	AF1889	Fei Yang	China	Institute of Soil Science, Chinese Academy of	Poster	Soil organic matter controls of soil hydrological functions in an alpine ecosystem in the Qinghai-Tibet Plateau
June 12(Thu)	15:30~16:20	P3-586	Unique Contributions of Hydropedology to Integrated Soil	AF2012	Krishna Prasad Bhandari	Nepal	Tribhuvan University	Poster	PGIS Tool for Erosion susceptibility and Soil Conservation Planning in a Watershed of Nepal
June 12(Thu)	15:30~16:20	P3-587	Unique Contributions of Hydropedology to Integrated Soil	AF2297	Mohammad Reza Neyshabouri	Iran	Univ. of Tabriz, Iran	Poster	Developing pedotransfer functions to simulate wetting and drying branch of soil water characteristic curve
June 12(Thu)	15:30~16:20	P3-588	Unique Contributions of Hydropedology to Integrated Soil	AF2824	Sumitra Watana	Thailand	Soil Survey and Soil Resources Research	Poster	Survey and Mapping of Soil Moisture in Northeast Thailand

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June 12(Thu)	15:30~16:20	P3-589	Unique Contributions of Hydroopedology to Integrated Soil	AK2288	Yun-Yeong Oh	Korea	Pusan National University	Poster	Relationship between stream water and groundwater using time series analysis in the lower Nakdong River basin, South Korea
June 13(Fri)	All day	Art Poster	Behavior and Fate of Pollutants Entering the Soil Environment-art		Georg Dietzler				
June 13(Fri)	15:30~16:20	P4-1	Behavior and Fate of Pollutants Entering the Soil Environment	AF0025	Yoshishige Kawabe	Japan	AIST JAPAN	Poster	Chemical properties of tsunami sediment and risk assessment of heavy metals by the Great East Japan Earthquake of March 2011
June 13(Fri)	15:30~16:20	P4-2	Behavior and Fate of Pollutants Entering the Soil Environment	AF0071	Nuria Roca	Argentina	Universidad Nacional del Centro de la Provincia de	Poster	Assessing risk of heavy metals from human activity on rural soils: a case study
June 13(Fri)	15:30~16:20	P4-3	Behavior and Fate of Pollutants Entering the Soil Environment	AF0085	Satish Kumar Singh	India	Banaras Hindu University	Poster	Effect of Conjoint Application of Sewage Sludge and Fertilizers on Trace Metals Accumulation in Plant and Soil under Rice Cultivation.
June 13(Fri)	15:30~16:20	P4-4	Behavior and Fate of Pollutants Entering the Soil Environment	AF0118	Liang Tao	China	Guangdong Institute of Eco-environmental and Soil	Poster	Effect of Fe(II)/Cu(II) Interaction on Reductive Transformation of Pollutants and Copper Aging Enhancement
June 13(Fri)	15:30~16:20	P4-5	Behavior and Fate of Pollutants Entering the Soil Environment	AF0183	Zhaohui Li	USA	University of Wisconsin - Parkside	Poster	Uptake of Pharmaceuticals by Soil Minerals
June 13(Fri)	15:30~16:20	P4-6	Behavior and Fate of Pollutants Entering the Soil Environment	AF0188	Rosalina Gonzalez	Colombia	University of Delaware, La Salle University	Poster	Fate of Munitions Constituents in the Environment by the Influence of the Cesium Charge Sites in Soils
June 13(Fri)	15:30~16:20	P4-7	Behavior and Fate of Pollutants Entering the Soil Environment	AF0203	Hamidreza Motaghian	Iran	PhD of soil science department	Poster	The bean ( <i>Phaseolus vulgaris</i> L.) rhizospheric effect on the desorption kinetics of zinc in sewage sludge amended soils
June 13(Fri)	15:30~16:20	P4-8	Behavior and Fate of Pollutants Entering the Soil Environment	AF0276	Kwasi Ofori-Frimpong	Ghana	GHANA COCOA BOARD	Poster	CADMIUM CONTENTS OF SOILS AND COCOA BEANS FROM GHANA
June 13(Fri)	15:30~16:20	P4-9	Behavior and Fate of Pollutants Entering the Soil Environment	AF0343	Adel Reyhanitabar	Iran	University of Tabriz	Poster	Arsenic immobilization in soil using iron-based amendments: process optimization by response surface methodology
June 13(Fri)	15:30~16:20	P4-10	Behavior and Fate of Pollutants Entering the Soil Environment	AF0467	Bernhard Wehr	Australia	The University of Queensland	Poster	Environmental fate of fluoride applied to soil and plants
June 13(Fri)	15:30~16:20	P4-11	Behavior and Fate of Pollutants Entering the Soil Environment	AF0530	Ali Cherati	Iran	Soil and Water Research Institute	Poster	Zonation of heavy metals (Cd, Pb, Ni, Zn, Fe, Mn and Cu) in arable land of the Alborz dam downstream basin-IRAN
June 13(Fri)	15:30~16:20	P4-12	Behavior and Fate of Pollutants Entering the Soil Environment	AF0589	Tatiana Minkina	Russia	Southern federal university	Poster	Approaches to revealing relationships between the heavy metals sorption and the formation of their compounds in soils
June 13(Fri)	15:30~16:20	P4-13	Behavior and Fate of Pollutants Entering the Soil Environment	AF0602	Chengliang Li	China	National Engineering Laboratory for Efficient	Poster	Inhibitory effect of silver nanoparticles on ryegrass growth and soil enzyme activity
June 13(Fri)	15:30~16:20	P4-14	Behavior and Fate of Pollutants Entering the Soil Environment	AF0628	Elias Gichangi	Kenya	Kenya Agricultural research Institute	Poster	SORPTION OF HEAVY METALS, PB (II), CU (II), ZN (II), AND NI (II) ON PINE BARK BASED COMPOSTS
June 13(Fri)	15:30~16:20	P4-15	Behavior and Fate of Pollutants Entering the Soil Environment	AF0693	Eucharua Nwaichi	Nigeria	University Of Port Harcourt Nigeria	Poster	Plant-Soil interactions as promoter for increased soil function, structure and diversity in a Crude oil polluted agricultural field
June 13(Fri)	15:30~16:20	P4-16	Behavior and Fate of Pollutants Entering the Soil Environment	AF0825	Jinjin Wang	China	Chinese Academy of Agricultural Sciences	Poster	The Assessment of Arsenic Availability in Soils using the in-situ Diffusion Gradients in Thin Films Technique (DGT) - A Comparison
June 13(Fri)	15:30~16:20	P4-17	Behavior and Fate of Pollutants Entering the Soil Environment	AF0902	Anna Tsi bart	Russia	Moscow State University, Faculty of Geography	Poster	Polycyclic aromatic hydrocarbons in post-pyrogenic soils of drained peatlands (Moscow region, Russia)
June 13(Fri)	15:30~16:20	P4-18	Behavior and Fate of Pollutants Entering the Soil Environment	AF1041	Alireza Hosseinpur	Iran	Shahrekord Univ.	Poster	The bean ( <i>Phaseolus vulgaris</i> L.) rhizospheric effect on the desorption kinetics of copper using DTPA in amended soils with
June 13(Fri)	15:30~16:20	P4-19	Behavior and Fate of Pollutants Entering the Soil Environment	AF1043	Sung Jin Lim	Korea	Chemical Safety Division, National Academy of	Poster	BTEX analysis using a headspace GC-MS in soil and the germination and radicle growth inhibition by BTEX
June 13(Fri)	15:30~16:20	P4-20	Behavior and Fate of Pollutants Entering the Soil Environment	AF1069	Pengxiang Li	Japan	Hokkaido University	Poster	Adsorption of Anionic Surfactant on Silica
June 13(Fri)	15:30~16:20	P4-21	Behavior and Fate of Pollutants Entering the Soil Environment	AF1135	Jim Wang	USA	Louisiana State University	Poster	Chemical interaction and control of antibiotic tylosin in soil/sediment systems
June 13(Fri)	15:30~16:20	P4-22	Behavior and Fate of Pollutants Entering the Soil Environment	AF1185	Ke Dai	China	Huazhong Agricultural University	Poster	Adsorption of Pb(II) on goethite-bacteria-humic acid composites

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June 13(Fri)	15:30~16:20	P4-23	Behavior and Fate of Pollutants Entering the Soil Environment	AF1307	Jie Zhuang	China	Institute of Applied Ecology, Chinese Academy of	Poster	Mercury Bioavailability as Affected by Organic Ligand in Aqueous Environment
June 13(Fri)	15:30~16:20	P4-24	Behavior and Fate of Pollutants Entering the Soil Environment	AF1331	Junko Hara	Japan	National Institute of Advanced Industrial Science	Poster	Identification of arsenic speciation and accumulated organic species in different environment of organic sedimentation
June 13(Fri)	15:30~16:20	P4-25	Behavior and Fate of Pollutants Entering the Soil Environment	AF1413	Keshav Raj Adhikari	Nepal	Tribhuvan University	Poster	Predicting mineral nitrogen leaching behavior of soil using electrical conductivity in leachate water samples
June 13(Fri)	15:30~16:20	P4-26	Behavior and Fate of Pollutants Entering the Soil Environment	AF1435	Abdourahamane Tankari Dan-Badjo	Niger	Faculte d'Agronomie - Universite de Niamey	Poster	Spatialization of pollution by trace metals in urban soils of Gounti Yena valley, Niamey, Niger
June 13(Fri)	15:30~16:20	P4-27	Behavior and Fate of Pollutants Entering the Soil Environment	AF1442	Radka Kodesova	Czech Republic	Czech University of Life Sciences	Poster	Adsorption of selected pharmaceuticals in representative soils of the Czech Republic
June 13(Fri)	15:30~16:20	P4-28	Behavior and Fate of Pollutants Entering the Soil Environment	AF1454	Liang-Ching Hsu	Taiwan	National Chung-Hsing University	Poster	Spectroscopic and Chemical Speciation of Chromium in Contaminated Paddy Soils
June 13(Fri)	15:30~16:20	P4-29	Behavior and Fate of Pollutants Entering the Soil Environment	AF1495	Saglara Mandzhieva	Russia	Southern federal university	Poster	Bioavailability of heavy metal compounds in the soils contaminated by emissions from the power station
June 13(Fri)	15:30~16:20	P4-30	Behavior and Fate of Pollutants Entering the Soil Environment	AF1515	Younjeong Choi	USA	Purdue university	Poster	Sorption behavior of bisphenol S (4,4'-sulfonyldiphenol) on agricultural soils
June 13(Fri)	15:30~16:20	P4-31	Behavior and Fate of Pollutants Entering the Soil Environment	AF1586	Wenfeng Tan	China	Huazhong Agricultural University	Poster	Lead binding to humic substances: NICA-Donnan modeling and XAFS analysis
June 13(Fri)	15:30~16:20	P4-32	Behavior and Fate of Pollutants Entering the Soil Environment	AF1679	Chunye Lin	China	Beijing Normal University	Poster	Cd distribution in the soil and rice in the vicinity of the world's largest and longest-operating tungsten mine in China
June 13(Fri)	15:30~16:20	P4-33	Behavior and Fate of Pollutants Entering the Soil Environment	AF1797	Asuman Buyukkilic Yanardag	Spain	UPCT	Poster	UNDISTURBED COLUMN STUDY: HEAVY METAL TRANSFER FROM SOIL TO UNDERGROUND WATER WITH PIG SLURRY APPLICATION
June 13(Fri)	15:30~16:20	P4-34	Behavior and Fate of Pollutants Entering the Soil Environment	AF1868	Roland Solc	Austria	University of Natural Resources and Life Sciences,	Poster	Diffusion of ions in organically modified clays - experimental and molecular dynamics study
June 13(Fri)	15:30~16:20	P4-35	Behavior and Fate of Pollutants Entering the Soil Environment	AF1938	Danila Aladin	Russia	Institute of Basic Biological Problems RAS	Poster	Assessment of migration of Polychlorinated byphenyls (PCBs) from contaminated plants in soil
June 13(Fri)	15:30~16:20	P4-36	Behavior and Fate of Pollutants Entering the Soil Environment	AF1950	Lixian Yao	China	South China Agricultural University	Poster	Soil property affect arsenic uptake in garland chrysanthemum (C. coronarium) fertilized with chicken manure bearing roxarsone and its
June 13(Fri)	15:30~16:20	P4-37	Behavior and Fate of Pollutants Entering the Soil Environment	AF2011	Chung Tse Chang	Taiwan	National Chung Hsing University	Poster	Cr(III) oxidized by free radicals from the synthesis of iron-citrate complex in aqueous solution
June 13(Fri)	15:30~16:20	P4-38	Behavior and Fate of Pollutants Entering the Soil Environment	AF2088	Faranak Ranjbar	Iran	Bu-Ali Sina University	Poster	Measurement and 1D transport modeling of boron movement in some calcareous soils affected by different ionic strengths
June 13(Fri)	15:30~16:20	P4-39	Behavior and Fate of Pollutants Entering the Soil Environment	AF2098	Maria Concepcion Ramos	Spain	University of Lleida	Poster	Changes in total content and in chemical fractionation of Cu and Zn in soils amended with compost
June 13(Fri)	15:30~16:20	P4-40	Behavior and Fate of Pollutants Entering the Soil Environment	AF2133	Raphael Fernandes	Brazil	Universidade Federal de Vicosa	Poster	Cadmium immobilization by amendments in contaminated Latosols cultivated with lettuce
June 13(Fri)	15:30~16:20	P4-41	Behavior and Fate of Pollutants Entering the Soil Environment	AF2154	Sonia Rodrigues	Portugal	Universidade de Aveiro	Poster	Soil?solution partitioning of gold and silver in soils amended with nanoparticles
June 13(Fri)	15:30~16:20	P4-42	Behavior and Fate of Pollutants Entering the Soil Environment	AF2235	Nur Aini Abu Bakar	Malaysia	University Putra Malaysia	Poster	Effects of arsenic and phosphate on plant biomass and their accumulation by an arsenic hyperaccumulator Pteris vittata L
June 13(Fri)	15:30~16:20	P4-43	Behavior and Fate of Pollutants Entering the Soil Environment	AF2272	Ehsan Tavakkoli	Australia	The University of Adelaide	Poster	Characterisation of phenanthrene associated with naturally occurring colloids in soil extracts using an isotopic dilution technique
June 13(Fri)	15:30~16:20	P4-44	Behavior and Fate of Pollutants Entering the Soil Environment	AF2449	Qingling Fu	China	Key Laboratory of Arable Land Conservation (Middle	Poster	Mechanism of Phosphate and Citric Acid Affecting Pb2+ Adsorption by Red Soil Colloids
June 13(Fri)	15:30~16:20	P4-45	Behavior and Fate of Pollutants Entering the Soil Environment	AF2504	Ramprakash Tata	India	ANGRAU	Poster	Dissipation And Leaching of Atrazine In Maize Grown on No-Till And Conventional Tillage Soils In Peninsular India.
June 13(Fri)	15:30~16:20	P4-46	Behavior and Fate of Pollutants Entering the Soil Environment	AF2515	Elena Pogožheva	Russia	Lomonosov Moscow State University	Poster	Fixation of Arsenic by Fe-nodules in soils of the southern taiga

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June 13(Fri)	15:30~16:20	P4-47	Behavior and Fate of Pollutants Entering the Soil Environment	AF2584	Dane Lamb	Australia	University of South Australia	Poster	Human health risk assessment of barium from barite contaminated soils based on gastric phase in vitro data and plant uptake
June 13(Fri)	15:30~16:20	P4-48	Behavior and Fate of Pollutants Entering the Soil Environment	AF2629	Nabeel Khan Niazi	Pakistan	University of Agriculture Faisalabad	Poster	Mid Infrared Spectroscopy and Partial Least-Squares Regression: A Rapid and Cost-Effective Approach to Estimate Soil Arsenic Content
June 13(Fri)	15:30~16:20	P4-49	Behavior and Fate of Pollutants Entering the Soil Environment	AF2655	Manjaiah K.m.	India	IARI, New Delhi	Poster	Sorption-desorption behavior of radiocesium in soils and its transfer to crops
June 13(Fri)	15:30~16:20	P4-50	Behavior and Fate of Pollutants Entering the Soil Environment	AF2670	Mohsin Zafar	Brazil	Department of Soil Science, Universidade Federal de	Poster	Sediments Phosphorus Dynamics in a Southern Brazilian watershed with contrasting land uses
June 13(Fri)	15:30~16:20	P4-51	Behavior and Fate of Pollutants Entering the Soil Environment	AF2716	Mira Toubassy	France	Bioemco	Poster	Impact of anaerobic bacterial activities on the dynamic and speciation of mercury in tropical soils in French Guiana
June 13(Fri)	15:30~16:20	P4-52	Behavior and Fate of Pollutants Entering the Soil Environment	AF2765	Eduardo Chavez	USA	University of Florida	Poster	Determination of plant-available cadmium in cacao plantations in southern Ecuador: chemical extraction and fractionation analysis
June 13(Fri)	15:30~16:20	P4-53	Behavior and Fate of Pollutants Entering the Soil Environment	AF2772	Adel Reyhanitabar	Iran	University of Tabriz	Poster	Batch and column methods comparison on sorption and desorption of zinc in a sandy soil
June 13(Fri)	15:30~16:20	P4-54	Behavior and Fate of Pollutants Entering the Soil Environment	AF2826	Dr Pramod Sharma	India	BANARAS HINDU UNIVERSITY,VARANASI-	Poster	Effect of temperature and sewage sludge on macro and micro nutrient availability in different soils of India
June 13(Fri)	15:30~16:20	P4-55	Behavior and Fate of Pollutants Entering the Soil Environment	AF2876	Gilles Colinet	Belgium	Gembloux Agro Bio Tech University of Liege	Poster	Mobility of Cu and Co in metalliferous ecosystems of Katanga: comparison of soil profiles and experimental results.
June 13(Fri)	15:30~16:20	P4-56	Behavior and Fate of Pollutants Entering the Soil Environment	AF2940	Jason Fischel	USA	University of Delaware	Poster	Formation Mechanisms for Chromium Hydroxide Precipitation on Mineral Surfaces: The Impact on Contaminant Mobility in the Soil
June 13(Fri)	15:30~16:20	P4-57	Behavior and Fate of Pollutants Entering the Soil Environment	AF2961	Matthew Fischel	USA	University of Delaware	Poster	Kinetics of arsenic oxidation by manganese oxide minerals: the influence of origin and structure on reactivity
June 13(Fri)	15:30~16:20	P4-58	Behavior and Fate of Pollutants Entering the Soil Environment	AF3308	Nazanin Khakipour	Iran	Islamic Azad University-Savadkooh branch	Poster	Evaluation of Heavy Metals Concentration In Shoormast Lake
June 13(Fri)	15:30~16:20	P4-59	Behavior and Fate of Pollutants Entering the Soil Environment	AK0157	Seung Joo Lim	Korea	Korea Atomic Energy Research Institute	Poster	Effects of halogenation and nitrogen(N)-heterocyclic aromatics on estimating the persistence of future pharmaceutical compounds in
June 13(Fri)	15:30~16:20	P4-60	Behavior and Fate of Pollutants Entering the Soil Environment	AK0673	Hannah Oh	Korea	Kyungpook National University	Poster	Plant toxicity and uptake of RDX and TNT by sweet sagewort (Artemisia annua)
June 13(Fri)	15:30~16:20	P4-61	Behavior and Fate of Pollutants Entering the Soil Environment	AK0770	Hyein Keum	Korea	Hankuk University of Foreign Studies	Poster	Optimizing concentrations of hemoglobin and hydrogen peroxide for remediation of Benzo(a)pyrene (B[a]P) contaminated soils.
June 13(Fri)	15:30~16:20	P4-62	Behavior and Fate of Pollutants Entering the Soil Environment	AK0965	Juhee Kim	Korea	Korea University	Poster	Leaching of metallic elements from abandoned mine soils depending on various flow conditions
June 13(Fri)	15:30~16:20	P4-63	Behavior and Fate of Pollutants Entering the Soil Environment	AK1815	Anitha Kunhikrishnan	Korea	National Academy of Agricultural Science, RDA	Poster	Role of Recycled Water Sources in the (Im)mobilization and Bioavailability of Copper in Soils
June 13(Fri)	15:30~16:20	P4-64	Behavior and Fate of Pollutants Entering the Soil Environment	AK2249	Min-Hui Son	Korea	POSTECH	Poster	Enhanced Bioavailability of Hexabromocyclododecane (HBCD) diastereoisomers to Plants by Humic Acids
June 13(Fri)	15:30~16:20	P4-65	Behavior and Fate of Pollutants Entering the Soil Environment	AK2338	Ji-Suk Park	Korea	Seoul National University	Poster	Effect of liming on chemical speciation of phosphorus in a deforested soil.
June 13(Fri)	15:30~16:20	P4-66	Behavior and Fate of Pollutants Entering the Soil Environment	AK2547	Taek Kyum Kim	Korea	National Academy of Agricultural Science, RDA	Poster	Establishment of Efficient Sample Pre-treatment Method for the Analysis of Pesticide Residue in the soil using with HPLC-MS/MS.
June 13(Fri)	15:30~16:20	P4-67	Behavior and Fate of Pollutants Entering the Soil Environment	AK3057	Ji-Yeon Roh	Korea	Korea University	Poster	Changes in gene expression under the controlled exposure on soil nematode Caenorhabditis elegans
June 13(Fri)	15:30~16:20	P4-68	Behavior and Fate of Pollutants Entering the Soil Environment	AK3116	Hojun Kang	Korea	Jeju Special Self-governing Province Agricultural	Poster	Assessment on the content of Cu and Zn in Citrus Orchard Soils in Jeju of Korea
June 13(Fri)	15:30~16:20	P4-69	Behavior and Fate of Pollutants Entering the Soil Environment	AK3182	Jae E. Yang	Korea	Kangwon National University	Poster	Effect of Various Stabilization Additives on the Cationic and Anionic Metal Stabilization in Contaminated Soils
June 13(Fri)	15:30~16:20	P4-70	Behavior and Fate of Pollutants Entering the Soil Environment	AK3186	Jae E. Yang	Korea	Kangwon National University	Poster	Efficiency of Stabilization Methods Applied to Paddy Soil for Stabilization Cadmium in Soil and Crop Safety

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June 13(Fri)	15:30~16:20	P4-71	Behavior and Fate of Pollutants Entering the Soil Environment	AK3232	Sung Chul Kim	Korea	Chungnam National University	Poster	Phytoaccumulation of Veterinary Antibiotics with Varied Cultivation Condition
June 13(Fri)	15:30~16:20	P4-72	Behavior and Fate of Pollutants Entering the Soil Environment	AK3238	Jinhee Choi	Korea	University of Seoul	Poster	Soil toxicity of titanium dioxide nanoparticles and arsenic in the nematode <i>Caenorhabditis elegans</i>
June 13(Fri)	15:30~16:20	P4-73	Roles of Minerals as Suppliers and Regulators of Plant Nutrients	AF0066	Zeng-Yei Hseu	Taiwan	National Pingtung University of Science and Technology	Poster	Clay mineral transformation controlling the availability of Cr and Ni in paddy soils
June 13(Fri)	15:30~16:20	P4-74	Roles of Minerals as Suppliers and Regulators of Plant Nutrients	AF0661	Yuechao Yang	China	Shandong Agriculture University	Poster	Bio-based Polymer Composites Derived from Corn Stover and Feather Meals as Double-coating materials for Controlled-Release
June 13(Fri)	15:30~16:20	P4-75	Roles of Minerals as Suppliers and Regulators of Plant Nutrients	AF0684	Yohey Hashimoto	Japan	Tokyo University of Agriculture and Technology	Poster	Phosphorus speciation in poultry litter during the composting process determined by P K-edge XANES, <sup>31</sup> P-NMR and sequential
June 13(Fri)	15:30~16:20	P4-76	Roles of Minerals as Suppliers and Regulators of Plant Nutrients	AF0743	Cynthia Grant	Canada	Agriculture and Agri-Food Canada	Poster	Change in Availability of Phosphorus, Cadmium and Zinc Applied in Monoammonium Phosphate after Termination of Fertilizer
June 13(Fri)	15:30~16:20	P4-77	Roles of Minerals as Suppliers and Regulators of Plant Nutrients	AF0879	Kalvakuntla Jeevanrao	India	ANGRAgricultural university	Poster	Evaluation of Integrated Use of Sewage Sludge and FYM with Chemical Fertilizers on Yield and Quality of Carrot( <i>Daucus carota</i> )-
June 13(Fri)	15:30~16:20	P4-78	Roles of Minerals as Suppliers and Regulators of Plant Nutrients	AF1143	Shirong Zhang	China	Guangdong Institute of Eco-Environmental and Soil	Poster	Arsenic and Cadmium bioavailability to Rice Correlated with Silica Speciation in Paddy Soil
June 13(Fri)	15:30~16:20	P4-79	Roles of Minerals as Suppliers and Regulators of Plant Nutrients	AF1234	Peter Ghaali	Uganda	support Needy Lovely Centre	Poster	The Relationship between Plant growth and Nutrients
June 13(Fri)	15:30~16:20	P4-80	Roles of Minerals as Suppliers and Regulators of Plant Nutrients	AF1325	Michelle Anne Bunquin	Philippines	International Rice Research Institute	Poster	Redox-related role of mineral oxides on Zn solubility dynamics in flooded rice soils
June 13(Fri)	15:30~16:20	P4-81	Roles of Minerals as Suppliers and Regulators of Plant Nutrients	AF1389	Camille Rivard	France	European Synchrotron Radiation Facility ESRF	Poster	Investigation of potassium distribution in agricultural soils by combination of micro X-ray fluorescence and X-ray absorption near-
June 13(Fri)	15:30~16:20	P4-82	Roles of Minerals as Suppliers and Regulators of Plant Nutrients	AF1780	Tetsuhiro Watanabe	Japan	Kyoto University	Poster	Effects of active aluminium and iron on phosphate extractability with special reference to soil micro- and meso-pores
June 13(Fri)	15:30~16:20	P4-83	Roles of Minerals as Suppliers and Regulators of Plant Nutrients	AF1800	Shun Nishiyama	Japan	Ishikawa prefectural university	Poster	Stable cesium uptake by rice plant with different amendments under flooded and temporal upland condition
June 13(Fri)	15:30~16:20	P4-84	Roles of Minerals as Suppliers and Regulators of Plant Nutrients	AF2086	Suzi Theodoro	Brazil	University of Brasilia	Poster	REMINEALIZATION, REMEDIATION AND RECOVERY: A NEW ROUTE FOR SUSTAINABILITY
June 13(Fri)	15:30~16:20	P4-85	Roles of Minerals as Suppliers and Regulators of Plant Nutrients	AF2251	Zhi Li	China	Jiangxi Agricultural University	Poster	The Diversity of Plants in Subalpine Meadows of Wugong Mountain in Jiangxi Province of China
June 13(Fri)	15:30~16:20	P4-86	Roles of Minerals as Suppliers and Regulators of Plant Nutrients	AF2277	Mohammad Nurcholis	Indonesia	University	Poster	Chemical and mineralogical characteristics of the Wonosegoro clays Java Island Indonesia
June 13(Fri)	15:30~16:20	P4-87	Roles of Minerals as Suppliers and Regulators of Plant Nutrients	AF3224	Mucheru-Muna Mw	Kenya	Kenyatta University	Poster	Organic inputs and mineral fertilizer effects on soil chemical properties, and maize productivity in Mbeere District, Kenya
June 13(Fri)	15:30~16:20	P4-88	Roles of Minerals as Suppliers and Regulators of Plant Nutrients	AF3226	Ngwu O.e.	Nigeria	Enugu State University of Science and technology	Poster	PROXIMATE, MINERAL AND VITAMINS
June 13(Fri)	15:30~16:20	P4-89	Roles of Minerals as Suppliers and Regulators of Plant Nutrients	AK3155	Keun Yook Chung	Korea	Chungbuk National University	Poster	Effects of the Applications of the Clay Minerals on the Early Growth of Red Pepper in the Horticultural Bed Soil
June 13(Fri)	15:30~16:20	P4-90	Roles of Minerals as Suppliers and Regulators of Plant Nutrients	AK3210	Keun Yook Chung	Korea	Chungbuk National University	Poster	Effects of the Additions of Clay Minerals Illite and Zeolite as Inorganic Materials on the Growth of Chinese Cabbage in
June 13(Fri)	15:30~16:20	P4-91	Roles of Minerals as Suppliers and Regulators of Plant Nutrients	AK3339	Dong Jin Kim	Korea	Wonju Regional Environmental Office	Poster	Mineralogical Characterization of Tremolite Asbestos-Containing Soils of S. Korea
June 13(Fri)	All day	Art Poster	Advances in Techniques to Investigate Chemical, Physical and		Laura Parker				
June 13(Fri)	15:30~16:20	P4-92	Advances in Techniques to Investigate Chemical, Physical and	AF0074	Vittal Kuligod	India	University of Agricultural Sciences Dharwad	Poster	EFFECT OF LONG-TERM SPENTWASH APPLICATION ON SOIL PHYSICAL, CHEMICAL AND BIOLOGICAL PROPERTIES
June 13(Fri)	15:30~16:20	P4-93	Advances in Techniques to Investigate Chemical, Physical and	AF0158	Du Changwen	China	Institute of Soil Science Chinese Academy of	Poster	Influence of long term fertilization on the evolvement of soil organic matter evaluated by mid-infrared photoacoustic spectroscopy

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June 13(Fri)	15:30~16:20	P4-94	Advances in Techniques to Investigate Chemical, Physical and	AF0254	Nicolas Bottinelli	China	State Key Laboratory of Soil and Sustainable Agriculture,	Poster	Advances in techniques to study the influence of earthworms on soil structure
June 13(Fri)	15:30~16:20	P4-95	Advances in Techniques to Investigate Chemical, Physical and	AF0539	Adewole Ezekiel	Nigeria	AFE-BABALOLA UNIVERSITY, ADO-EKITI, NIGERIA	Poster	CHARACTERIZATION OF ETHYL ACETATE EXTRACT OF NEUROSPORA CRASSA USING GAS CHROMATOGRAPHY- MASS SPECTROMETER
June 13(Fri)	15:30~16:20	P4-96	Advances in Techniques to Investigate Chemical, Physical and	AF1048	Chuan-Fu Kao	Taiwan	National Chung Hsing University	Poster	The Fe uptake mechanisms of paddy rice in different concentrations of Fe (III) and Fe (II) hydroponic solutions
June 13(Fri)	15:30~16:20	P4-97	Advances in Techniques to Investigate Chemical, Physical and	AF1188	Chang Jie Cheng	Taiwan	Nation Taiwan university	Poster	Electrochemical Analytical Method for Determination of Available Cadmium in Soil with Screen-Printed Carbon Electrodes
June 13(Fri)	15:30~16:20	P4-98	Advances in Techniques to Investigate Chemical, Physical and	AF1443	Clare Wilson	United Kingdom	University of Stirling	Poster	The use of soil thin sections for the study of organic matter stabilisation
June 13(Fri)	15:30~16:20	P4-99	Advances in Techniques to Investigate Chemical, Physical and	AF1790	Jumei Li	China	CAAS	Poster	Soil Olsen-P accumulation models and Prediction estimation of soil Olsen-P accumulation by models in China
June 13(Fri)	15:30~16:20	P4-100	Advances in Techniques to Investigate Chemical, Physical and	AF1802	Hsin-Fang Chang	Taiwan	National Taiwan University	Poster	Chemical Compositions of Iron Plaque and Root Exudates of Different Rice Cultivars Grown in Fe(II) and Fe(III) hydroponic
June 13(Fri)	15:30~16:20	P4-101	Advances in Techniques to Investigate Chemical, Physical and	AF1838	Chun-Hui Yu	Taiwan	National Taiwan University	Poster	Time course analysis of Fe Uptake and Translocation in Rice Plants
June 13(Fri)	15:30~16:20	P4-102	Advances in Techniques to Investigate Chemical, Physical and	AF1927	Arsen Viter	Ukraine	M.M.Gryshko National Botanical Garden of N.A.S. of	Poster	INVESTIGATION OF THE NEW SOIL SUBSTITUTES FOR CULTIVATION LEGUME-RHIZOBIA SYMBIOSIS UNDER SIMULATED AND REAL
June 13(Fri)	15:30~16:20	P4-103	Advances in Techniques to Investigate Chemical, Physical and	AF2046	Ahmad Heidari	Iran	University of Tehran	Poster	The role of total and active calcium carbonate equivalent in availability of some soil micronutrients
June 13(Fri)	15:30~16:20	P4-104	Advances in Techniques to Investigate Chemical, Physical and	AF2358	Karl Andersson	Australia	Univertisy of New England	Poster	The effect of incremental acidification on the solubility of phosphorus in alkaline Vertisols
June 13(Fri)	15:30~16:20	P4-105	Advances in Techniques to Investigate Chemical, Physical and	AF2489	Yi Lin	Taiwan	Department of Agricultural Chemistry, National Taiwan	Poster	Coupling Arsenic Mineralogy to Seasonal Arsenic Mobilization in Groundwater in Southwest Taiwan
June 13(Fri)	15:30~16:20	P4-106	Advances in Techniques to Investigate Chemical, Physical and	AF2494	Pantelis E. Barouchas	Greece	Technological Educational Institute of Western Greece	Poster	FOG II - A new innovative portable instrument for the total calcium carbonate soil testing
June 13(Fri)	15:30~16:20	P4-107	Advances in Techniques to Investigate Chemical, Physical and	AF2511	Pantelis E. Barouchas	Greece	Technological Educational Institute of Western Greece	Poster	Predicting soil lime requirements using agro-informatics practices
June 13(Fri)	15:30~16:20	P4-108	Advances in Techniques to Investigate Chemical, Physical and	AF2625	Sujung Ahn	United Kingdom	Swansea University	Poster	The role of particle shape and texture in amplifying hydrophobic behavior at the soil-water interface
June 13(Fri)	15:30~16:20	P4-109	Advances in Techniques to Investigate Chemical, Physical and	AF2794	Kaushik Majumdar	India	International Plant Nutrition Institute	Poster	Nutrient Expert® - A Nutrient Management Decision Support Tool for Smallholder Cereal Farmers of South Asia
June 13(Fri)	15:30~16:20	P4-110	Advances in Techniques to Investigate Chemical, Physical and	AF3002	Maria Teresa Vilela Nogueira Abdo	Brazil	APTA-SAA	Poster	SOIL ATTRIBUTES AND ARBOREOUS VEGETATION CHARACTERIZATION IN THE BIOLOGICAL RESERVE OF PINDORAMA,
June 13(Fri)	15:30~16:20	P4-111	Advances in Techniques to Investigate Chemical, Physical and	AF3006	Guenola Peres	France	INRA Agrocampus Ouest UMR SAS	Poster	Which vineyard practices in order to assure sustainable Champagne. Results from the VitiEcoBioSol programme, a long term study (25
June 13(Fri)	15:30~16:20	P4-112	Advances in Techniques to Investigate Chemical, Physical and	AK1037	Janghee Lee	Korea	Rural development administration	Poster	Research on Magnetic field Strength of Electromagnetic Soil Conductivity Meter and Correlation Coefficient between
June 13(Fri)	15:30~16:20	P4-113	Advances in Techniques to Investigate Chemical, Physical and	AK1224	Young Han Lee	Korea	Gyeongnam Agricultural Research and Extension	Poster	Pyrosequencing-based Assessment of the Bacterial Community Structure along Different Crops in Upland Fields
June 13(Fri)	15:30~16:20	P4-114	Advances in Techniques to Investigate Chemical, Physical and	AK1225	Young Han Lee	Korea	Gyeongnam Agricultural Research and Extension	Poster	Long-term Monitoring of Chemical Properties from Upland Soils in Gyeongnam Province
June 13(Fri)	15:30~16:20	P4-115	Advances in Techniques to Investigate Chemical, Physical and	AK2690	Sung Eun Lee	Korea	School of Applied Biosciences, Kyungpook	Poster	Biomarker discovery using SELDI-TOF MS in environmental nanotoxicology
June 13(Fri)	15:30~16:20	P4-116	Advances in Techniques to Investigate Chemical, Physical and	AK3143	Tae Wan Kim	Korea	Institute of Ecological Phytochemistry, Department	Poster	A rapid bio-assay technique for phytotoxicity assessment using Photophenomics and rhizospheric imaging
June 13(Fri)	15:30~16:20	P4-117	Advances in Techniques to Investigate Chemical, Physical and	AK3146	Tae Wan Kim	Korea	Institute of Ecological Phytochemistry, Department	Poster	Photochemical Assessment of Rice (Oryza sativa L.) Seedlings Grown Under Abiotic Stresses Using Photophenomics Technique

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June 13(Fri)	15:30~16:20	P4-118	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF0082	Camilia Eldewiny	Egypt	NationalResearch Centre	Poster	Role of surface reactivity in kinetics of soil chemical process
June 13(Fri)	15:30~16:20	P4-119	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF0239	Tongxu Liu	China	Guangdong Institute of Eco-Environmental and Soil	Poster	Dependence of the electron transfer capacity on the kinetics of quinone-mediated Fe(III) reduction by iron/humic reducing bacteria
June 13(Fri)	15:30~16:20	P4-120	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF0355	Fang Bai Li	China	Guangdong Institute of Eco-Environmental and Soil	Poster	Iron Cycles Link with Arsenic Availability in Rice for Food Safety from South China
June 13(Fri)	15:30~16:20	P4-121	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF0675	Bruce R. James	USA	University of Maryland	Poster	Soils as Interfacial, Low Entropy Systems With Resilience Based on Maximum Entropy Production
June 13(Fri)	15:30~16:20	P4-122	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF0837	Uche Cyprian Amalu	Nigeria	UNIVERSITY OF CALABAR, CALABAR, NIGERIA	Poster	Effect of some "Live" and "Mixed Dry Organic" mulches on selected soil Physical and Chemical Properties and Yields of two Cocoyam
June 13(Fri)	15:30~16:20	P4-123	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF0948	Chih-Yu Chiu	Taiwan	Academia Sinica	Poster	Toposequence for distribution and transformation of phosphorus fractions in humid subalpine forests
June 13(Fri)	15:30~16:20	P4-124	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF0967	Bhabananda Biswas	Australia	Centre for Environmental Risk Assessment and	Poster	Modified bentonite assisted bioremediation of PAHs in mixed contaminated condition: Microbial viability and biodegradation of
June 13(Fri)	15:30~16:20	P4-125	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF1615	Huayong Wu	China	Huazhong Agricultural University	Poster	Influences of soil active particles on bacterial activities
June 13(Fri)	15:30~16:20	P4-126	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF1616	Huayong Wu	China	Huazhong Agricultural University	Poster	Adhesion to kaolinite and goethite of Pseudomonas putida at different growth phases
June 13(Fri)	15:30~16:20	P4-127	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF1898	Huixin Li	China	Nanjing Agricultural University	Poster	The forms and surface availabilities of soil iron and aluminum minerals influence their adsorptive stabilization on litter-derived
June 13(Fri)	15:30~16:20	P4-128	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF1974	Sanjib Kar	India	university of calcutta	Poster	Influence of soil humic substances on point of zero net charge
June 13(Fri)	15:30~16:20	P4-129	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF2002	Natalia Patucci	Brazil	USP	Poster	EVALUATION OF MACRO SOIL FAUNA AS BIOINDICATOR OF ENVIRONMENTAL QUALITY IN FORESTS REMNANTS IN THE CITY OF
June 13(Fri)	15:30~16:20	P4-130	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF2074	Lawrence Nanganoa	Cameroon	Institute of Agricultural Research for Development	Poster	Adsorption Potential of Fine Fractions of Sandy Clay Loam Soil (natural aluminosilicate) for Ammonium Ion from Aqueous Solution
June 13(Fri)	15:30~16:20	P4-131	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF2112	Siobhan Staunton	France	INRA	Poster	Assessment of persistence of Cry1Ac protein from Bt spray in soil: comparison of field and controlled laboratory applications
June 13(Fri)	15:30~16:20	P4-132	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF2218	Ikponmwosa Ogboghodo	Nigeria	University of Benin, Benin City, Nigeria	Poster	Effects of Some Effluents on the Physical and Chemical Properties of Soils in Edo State, Nigeria
June 13(Fri)	15:30~16:20	P4-133	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF2372	Xiaomin Guo	China	Jiangxi Agricultural University	Poster	Spatial variations of soil microbial biomass P along an elevation gradients in the upland meadow of Wugong Mountain
June 13(Fri)	15:30~16:20	P4-134	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF2428	Asit Mandal	India	Indian Institute of Soil Science (ICAR)	Poster	Modified bentonite assisted bioremediation of PAHs in mixed contaminated condition: Characterisation of modified clays
June 13(Fri)	15:30~16:20	P4-135	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF2541	Jianming Xu	China	Zhejiang University	Poster	Effects of Natural Organic Matter on the Stability of Soil Nanoparticles
June 13(Fri)	15:30~16:20	P4-136	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF2675	Muhammad Ibrahim	Pakistan	Government College University Faisalabad	Poster	Bioremediation of Hydrocarbon Contaminated Soil via Plant-Microbe Interactions and Compost
June 13(Fri)	15:30~16:20	P4-137	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF3001	Tatiana Zubkova	Russia	Lomonosov Moscow State University,	Poster	Properties of the mineral matrix as a basis for interphase interactions in soil and soil macroproperties
June 13(Fri)	15:30~16:20	P4-138	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF3313	Abdub Galgallo Huri	Kenya	University of Nairobi	Poster	Total and Extractable Trace Elements in Soil
June 13(Fri)	15:30~16:20	P4-139	How do Interactions with Organo-Mineral Surfaces Alter the Dynamics	AF3331	Feinan Hu	China	College of resouces and environment, Southwest	Poster	Particles Interaction Forces and Their Effects on Soil Aggregates Breakdown
June 13(Fri)	15:30~16:20	P4-140	Soil Erosion and Degradation on Agriculture Land	AF0047	Uttam C. Sharma	India	Centre for Natural Resources Management	Poster	Soil erosion and degradation on agriculture land in the northeastern region of India: impact of land use change
June 13(Fri)	15:30~16:20	P4-141	Soil Erosion and Degradation on Agriculture Land	AF0057	Juergen Schmidt	Germany	Technical University Freiberg	Poster	Modelling Impact of Storm and Catchment Characteristics on Soil Erosion by Water

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June 13(Fri)	15:30~16:20	P4-142	Soil Erosion and Degradation on Agriculture Land	AF0126	Pheerawat Plangoen	Thailand	Siam University	Poster	Impact of Land Use Change on Soil Erosion and Deposition of the Upper Yom Watershed in Northern Thailand
June 13(Fri)	15:30~16:20	P4-143	Soil Erosion and Degradation on Agriculture Land	AF0166	M.b. Kirkham	USA	Kansas State University	Poster	Water Use Efficiency of Legume and Grain Cover Crops
June 13(Fri)	15:30~16:20	P4-144	Soil Erosion and Degradation on Agriculture Land	AF0204	Svetlana Tischenko	Russia	The Southern federal university	Poster	Degradation on agriculture land under local waterlogging in steppe zone
June 13(Fri)	15:30~16:20	P4-145	Soil Erosion and Degradation on Agriculture Land	AF0217	Freddy Nachtergaele	Belgium	FAO	Poster	A land resources and management diagnosis to up-scale and mainstream Sustainable Land Management interventions.
June 13(Fri)	15:30~16:20	P4-146	Soil Erosion and Degradation on Agriculture Land	AF0220	Stephen Anderson	USA	University of Missouri	Poster	Stepwise multi-parameter optimization - a multi-objective evaluation of APEX for environmental benefits
June 13(Fri)	15:30~16:20	P4-147	Soil Erosion and Degradation on Agriculture Land	AF0226	M(charlie) Arshad	Canada	University of Alberta	Poster	Nutrient Dynamics in a Riparian Ecosystem in Central Alberta, Canada
June 13(Fri)	15:30~16:20	P4-148	Soil Erosion and Degradation on Agriculture Land	AF0233	Pascal Jouquet	India	Intitut of Research for Development	Poster	Influence of earthworms on soil erosion and degradation. A functional approach.
June 13(Fri)	15:30~16:20	P4-149	Soil Erosion and Degradation on Agriculture Land	AF0280	Rafaella Fontes	Brazil	Federal University of Rio de Janeiro	Poster	Assessing soil erosion in a Southeastern Brazilian agricultural and pasture field using fallout <sup>210</sup> Pbex.
June 13(Fri)	15:30~16:20	P4-150	Soil Erosion and Degradation on Agriculture Land	AF0322	Akm Saiful Islam	Bangladesh	Bangladesh Rice Research Institute	Poster	Evaluation of Mechanical Transplanter in Unpuddled Transplanting of Wet Season Rice in Sandy Loam Soil
June 13(Fri)	15:30~16:20	P4-151	Soil Erosion and Degradation on Agriculture Land	AF0435	Craig Baxter	United Kingdom	The James Hutton Institute/ University of Dundee	Poster	Exploring field-scale linkages between accelerated soil erosion and nematode assemblages using <sup>137</sup> Cs soil loss quantification and
June 13(Fri)	15:30~16:20	P4-152	Soil Erosion and Degradation on Agriculture Land	AF0493	Jayaraju Nadimikeri	India	Yogi Vemana University	Poster	SOIL EROSION RISK ASSESSMENT USING REMOTE SENSING AND GIS TECHNIQUES : INDIAN SCENARIO
June 13(Fri)	15:30~16:20	P4-153	Soil Erosion and Degradation on Agriculture Land	AF0502	Abdelghani Chakhchar	Morocco	Faculty of Sciences Semlalia, Cadi Ayyad University	Poster	Antioxidant system and chlorophyll fluorescence in Argania spinosa under drought stress
June 13(Fri)	15:30~16:20	P4-154	Soil Erosion and Degradation on Agriculture Land	AF0524	Ming Wang	Taiwan	National Taiwan university	Poster	Erosion Characteristics of Steep-Slope Colluvial Deposits in Gully under Different Rainfall Intensity and Slope Gradient Conditions,
June 13(Fri)	15:30~16:20	P4-155	Soil Erosion and Degradation on Agriculture Land	AF0664	Khaled Zaeri	Iran	hovyzeh municipality , hovyzeh,khuzestan, iran	Poster	Determination central Iran soil degradation rate by creating multivariable soil degradation index
June 13(Fri)	15:30~16:20	P4-156	Soil Erosion and Degradation on Agriculture Land	AF0754	Shufang Wu	China	College of Resources and Environment, Northwest A&F	Poster	Dynamic Development of Rill Erosion on Loess Slopes and Its Simulation with Cellular
June 13(Fri)	15:30~16:20	P4-157	Soil Erosion and Degradation on Agriculture Land	AF0763	Jianhui Zhang	China	Institute of Mountain Hazards and Environment,	Poster	Soil hydrological properties as a response to tillage erosion in a Regosol of hilly landscapes
June 13(Fri)	15:30~16:20	P4-158	Soil Erosion and Degradation on Agriculture Land	AF0765	Dante Margate	Philippines	Bureau of Soils and Water Management	Poster	Evaluating agricultural sustainability in tropical watersheds: An integrated geographical approach
June 13(Fri)	15:30~16:20	P4-159	Soil Erosion and Degradation on Agriculture Land	AF0792	Rui Jiang	China	Northwest A&F University	Poster	How the ridge and furrow system mulched with plastic film affects the transport of soil water, heat and nitrate in drylands?
June 13(Fri)	15:30~16:20	P4-160	Soil Erosion and Degradation on Agriculture Land	AF0810	Gabriel Oluwatosin	Nigeria	Institute of Agricultural Research and Training	Poster	DEGRADED SOILS OF THE SAVANNAH ECOLOGY OF SOUTH WESTERN NIGERIA: EXTENT, CHARACTERIZATION AND EVALUATION
June 13(Fri)	15:30~16:20	P4-161	Soil Erosion and Degradation on Agriculture Land	AF0812	Shadananan Nair	India	Nansen Environmental Research Centre (India)	Poster	Impact of soil degradation and climate change on the dry zone agriculture land: challenge to food security in India
June 13(Fri)	15:30~16:20	P4-162	Soil Erosion and Degradation on Agriculture Land	AF0907	Gebreyesus Brhane Tesfahunegn	Ethiopia	Aksum University	Poster	SOIL EROSION ESTIMATION USING MORGAN-MORGAN-FINNEY MODEL IN GIS ENVIRONMENT IN NORTHERN ETHIOPIA
June 13(Fri)	15:30~16:20	P4-163	Soil Erosion and Degradation on Agriculture Land	AF0917	Peter Chinedum Nnabude	Nigeria	Nnamdi Azikiwe University, Awka, Anambra State,	Poster	Changes in selected soil properties and top soil depth under contrasting watershed management practices in southeastern Nigeria
June 13(Fri)	15:30~16:20	P4-164	Soil Erosion and Degradation on Agriculture Land	AF1001	Rokhaya Fall	Senegal	FAO	Poster	DIEMDIEM DAM: A LOCAL WAY TO FIGHT AGAINST LAND SALINIZATION
June 13(Fri)	15:30~16:20	P4-165	Soil Erosion and Degradation on Agriculture Land	AF1014	Brendon Malcolm	New Zealand	Lincoln University	Poster	Alternative pasture species to reduce nitrate leaching losses from grazed pasture systems

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June 13(Fri)	15:30~16:20	P4-166	Soil Erosion and Degradation on Agriculture Land	AF1017	Xihua Yang	Australia	NSW Office of Environment and Heritage	Poster	Predicting rainfall erosivity and hillslope erosion across South-east Australia
June 13(Fri)	15:30~16:20	P4-167	Soil Erosion and Degradation on Agriculture Land	AF1178	Alexander Chumbaev	Russia	Institute of Soil Science and Agrochemistry Siberian	Poster	Intrasoil ice sheet as a factor of forming snowmelt runoff on the Western Siberia, Russia
June 13(Fri)	15:30~16:20	P4-168	Soil Erosion and Degradation on Agriculture Land	AF1266	Xavier Morvan	France	University of Reims	Poster	Impact of organic agriculture on runoff and soil erosion in a silty soil
June 13(Fri)	15:30~16:20	P4-169	Soil Erosion and Degradation on Agriculture Land	AF1271	Nina Stoppe	Germany	Christian Albrechts University Kiel	Poster	Characterization of microstructural stability of northern German Marshland soils by rheological measurements
June 13(Fri)	15:30~16:20	P4-170	Soil Erosion and Degradation on Agriculture Land	AK1426	Minyoung Kim	Korea	National Academy of Agricultural Science, Rural	Poster	Soil and Water Conservation Practices for Upland Farming
June 13(Fri)	15:30~16:20	P4-171	Soil Erosion and Degradation on Agriculture Land	AF1280	Ganga Ram Maharjan	Germany	University of Bayreuth, Germany	Poster	Evaluation of SWAT for sediment, discharge and crop yield: Impact assessment of different land use scenarios to identify efficient land
June 13(Fri)	15:30~16:20	P4-172	Soil Erosion and Degradation on Agriculture Land	AF1333	Marcio Nikkel	Brazil	Universidade Federal do Tocantins	Poster	Spatial Analysis of Penetration Resistance on Irrigated Area in South of Tocantins - Brazil
June 13(Fri)	15:30~16:20	P4-173	Soil Erosion and Degradation on Agriculture Land	AF1386	Zhongming Wen	China	Northwest A & F University	Poster	Estimation of carbon carrying capacity in the Yanhe River catchment of China's Loess Plateau
June 13(Fri)	15:30~16:20	P4-174	Soil Erosion and Degradation on Agriculture Land	AF1391	Feng Jiao	China	Institute of Soil and Water Conservation, CAS and MWR	Poster	Contribution rate of influent factors affecting soil moisture and its scale effect in Loess Plateau, China
June 13(Fri)	15:30~16:20	P4-175	Soil Erosion and Degradation on Agriculture Land	AF1458	Ales Kapicka	Czech Republic	Institute of Geophysics ASCR	Poster	Investigation of erosion degree at agricultural terrain in Southern Moravia by using of soil magnetic parameters.
June 13(Fri)	15:30~16:20	P4-176	Soil Erosion and Degradation on Agriculture Land	AF1465	Mads Trolborg	United Kingdom	The James Hutton Institute	Poster	A Bayesian Belief Network for assessing and mapping the risk of soil erosion by water
June 13(Fri)	15:30~16:20	P4-177	Soil Erosion and Degradation on Agriculture Land	AF1466	Hossein Asadi	Iran	University of Guilan	Poster	Soil Erosion Processes and the Application of Harisine-Rose Model for Rill Erosion (Laboratory and Field experiments)
June 13(Fri)	15:30~16:20	P4-178	Soil Erosion and Degradation on Agriculture Land	AF1468	Erik Cammeraat	Netherlands	IBED-Earth Surface Science, University of Amsterdam	Poster	Soil erosion processes and soil organic carbon re-distribution: an experimental rainfall simulation approach
June 13(Fri)	15:30~16:20	P4-179	Soil Erosion and Degradation on Agriculture Land	AF1479	Radka Kodesova	Czech Republic	Czech University of Life Sciences	Poster	Using magnetic susceptibility and soil spectra measurements for mapping of soil degradation due to erosion
June 13(Fri)	15:30~16:20	P4-180	Soil Erosion and Degradation on Agriculture Land	AF1510	Maria Concepcion Ramos	Spain	University of Lleida	Poster	Soil water variability and transpirable soil water in a small basin of the Mediterranean North East Spain: influence of soil properties and
June 13(Fri)	15:30~16:20	P4-181	Soil Erosion and Degradation on Agriculture Land	AF1511	Maria Concepcion Ramos	Spain	University of Lleida	Poster	Influence of drainage terraces on runoff and soil losses under different rainfall patterns in a small vineyard catchment
June 13(Fri)	15:30~16:20	P4-182	Soil Erosion and Degradation on Agriculture Land	AF1669	Chunying Wang	Japan	Hokkaido University	Poster	Land use, topography and hydrological process effect on suspended sediment dynamics in an agriculture-forest dominated watershed
June 13(Fri)	15:30~16:20	P4-183	Soil Erosion and Degradation on Agriculture Land	AF1722	Firoozeh Nazari	Iran	university of Yazd	Poster	An Investigation of Aeolian Particles Vertical Distribution in Degraded Lands of Central Iran (Bam-Kerman)
June 13(Fri)	15:30~16:20	P4-184	Soil Erosion and Degradation on Agriculture Land	AF1739	Hiroaki Sumida	Japan	Collage of Bioresource Science, Nihon University	Poster	Pedogenic Processes and Chemical Properties of Acid Sulfate Soils in the Northwestern Area of Mekong Delta, Vietnam.
June 13(Fri)	15:30~16:20	P4-185	Soil Erosion and Degradation on Agriculture Land	AF1833	Costica Ailincai	Romania	University of Agricultural Sciences and Veterinary	Poster	EFFECTS OF CROPPING SYSTEMS ON SOIL EROSION IN THE MOLDAVIAN PLATEAU, ROMANIA
June 13(Fri)	15:30~16:20	P4-186	Soil Erosion and Degradation on Agriculture Land	AF1869	Marx Silva	Brazil	Federal University of Lavras	Poster	WATER EROSION IN PLANTED FOREST UNDER DIFFERENT MANAGEMENT SYSTEMS IN BRAZIL
June 13(Fri)	15:30~16:20	P4-187	Soil Erosion and Degradation on Agriculture Land	AF1909	Attila Nemes	Norway	Bioforsk	Poster	Effect of soil management on soil erosion and phosphorus losses
June 13(Fri)	15:30~16:20	P4-188	Soil Erosion and Degradation on Agriculture Land	AF1920	Danilo Dos Santos Rheinheimer	Brazil	Universidade Federal de Santa Maria	Poster	Phosphorus forms in suspended sediments as indicators of anthropic pressures and sediment origin in a agricultural catchment in
June 13(Fri)	15:30~16:20	P4-189	Soil Erosion and Degradation on Agriculture Land	AF2079	Khaled Mohamed Darwish	Egypt	City for Scintific Research and Technology Applications	Poster	Detection and Mapping of Rainfall Erosivity for Conservation Planning in Dry Valleys, The Eastern Desert, Egypt

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June 13(Fri)	15:30~16:20	P4-190	Soil Erosion and Degradation on Agriculture Land	AF2091	Manmohan J Singh	India	Punjab Agricultural University	Poster	Soil erosion vis-a-vis soil physical quality in Shiwaliks of Lower Himalayas of India
June 13(Fri)	15:30~16:20	P4-191	Soil Erosion and Degradation on Agriculture Land	AF2093	Maria Concepcion Ramos	Spain	University of Lleida	Poster	Effectiveness of filter strips in reducing soil and nutrient losses in a small basin with rainfed vines as the main land use
June 13(Fri)	15:30~16:20	P4-192	Soil Erosion and Degradation on Agriculture Land	AF2147	Xiaomei Yang	China	Institute of Soil and Water conservation,Chinese	Poster	How runoff and particulate transport processes influence the fate of glyphosate and AMPA in soils
June 13(Fri)	15:30~16:20	P4-193	Soil Erosion and Degradation on Agriculture Land	AF2182	Johanna Laakso	Finland	University of Helsinki	Poster	Phosphorus fractions in agricultural constructed wetland sediment: Depletion of plant available phosphorus as a response to erosion
June 13(Fri)	15:30~16:20	P4-194	Soil Erosion and Degradation on Agriculture Land	AF2204	Esra Arslan	Turkey	Ataturk University	Poster	Protective Role of Humic Acids on DNA Methylation Caused Cadmium Stress in Vicia faba Seedlings
June 13(Fri)	15:30~16:20	P4-195	Soil Erosion and Degradation on Agriculture Land	AF2265	Janis Boettinger	USA	Utah State University	Poster	Role of soils in conservation of an endangered shrub in the oil and gas-rich Uinta Basin, USA
June 13(Fri)	15:30~16:20	P4-196	Soil Erosion and Degradation on Agriculture Land	AF2313	Isaurinda Baptista Costa	Netherlands	INIDA	Poster	Improving rainwater-use in Cape Verde drylands: effect of land management techniques on runoff and erosion
June 13(Fri)	15:30~16:20	P4-197	Soil Erosion and Degradation on Agriculture Land	AF2363	Jaruporn Tosang	Thailand	Land Development Department	Poster	COMPARISON OF LEGUMES TYPES FOR SOIL AND WATER CONSERVATION AND CASSAVA PRODUCTION INCREASE
June 13(Fri)	15:30~16:20	P4-198	Soil Erosion and Degradation on Agriculture Land	AF2365	Mahmoud Alimohammadi	Iran	Sugarcane & by products company	Poster	Soil Compaction in sugarcane fields due to cultivation and mechanical harvesting (South west of Iran, Khuzestan province)
June 13(Fri)	15:30~16:20	P4-199	Soil Erosion and Degradation on Agriculture Land	AF2565	Gabriel Merat	Brazil	State University of Rio de Janeiro	Poster	THE PRACTICE OF COIVARA IN AGRICULTURE AND THE EFFECTS ON THE PHYSICAL, CHEMICAL AND HYDRAULIC PROPERTIES OF SOIL IN
June 13(Fri)	15:30~16:20	P4-200	Soil Erosion and Degradation on Agriculture Land	AF2603	John Triantafyllis	Australia	The University of New South Wales	Poster	Digital soil mapping available water content using proximal and remotely sensed data
June 13(Fri)	15:30~16:20	P4-201	Soil Erosion and Degradation on Agriculture Land	AF2674	Naruemol Kaewjampa	Thailand	Khon Kaen University	Poster	Impacts of Land Use/Land Cover Change on Rainfall in Nam Pong Watershed, Thailand
June 13(Fri)	15:30~16:20	P4-202	Soil Erosion and Degradation on Agriculture Land	AF2682	Natthapol Chittamart	Thailand	Kasetsart University	Poster	Predictive Performance of the WEPP Model on Runoff and Sediment Yields under Soil Conservation Measures on Hillslope Area: A Case
June 13(Fri)	15:30~16:20	P4-203	Soil Erosion and Degradation on Agriculture Land	AF2703	Felipe Zuniga Ugalde	Chile	Universidad Austral de Chile	Poster	Effect of pasture improvement strategies on indicators of soil physical quality and pasture yield in Southern Chile
June 13(Fri)	15:30~16:20	P4-204	Soil Erosion and Degradation on Agriculture Land	AF2723	Thanachanok Khankajorn	Thailand	Naresuan University	Poster	Erosion in Hillside Para Rubber Plantation of Northern Thailand as Affected by Soil Conservation Measures: A Case Study
June 13(Fri)	15:30~16:20	P4-205	Soil Erosion and Degradation on Agriculture Land	AF2734	Gudapaty Pratibha	India	Central Research Institute for Dryland Agriculture,	Poster	Effects of conservation agriculture practices on resource use efficiency and crop yield in rainfed semi arid regions of India
June 13(Fri)	15:30~16:20	P4-206	Soil Erosion and Degradation on Agriculture Land	AF2865	Elahe Naderi Peikam	Iran	Bu Ali Sina university	Poster	Phosphorus fractions in waterway sediments under different land uses
June 13(Fri)	15:30~16:20	P4-207	Soil Erosion and Degradation on Agriculture Land	AF2871	Elahe Naderi Peikam	Iran	Bu Ali Sina university	Poster	Application of inverse geochemical modeling for predicting surface water chemistry in Ekbatan watershed, Hamedan, western Iran
June 13(Fri)	15:30~16:20	P4-208	Soil Erosion and Degradation on Agriculture Land	AF3029	Lida Issazadeh	Iran	Young Researchers and Elite Club, Mahabad Branch,	Poster	Reservoir Sediment Prediction in Duhok Dam Using Artificial Neural Network and Conventional Methods
June 13(Fri)	15:30~16:20	P4-209	Soil Erosion and Degradation on Agriculture Land	AF3260	Govinda Bhandari	Nepal	PSD-Nepal	Poster	Soil erosion conservation measures in Nepal: A Review
June 13(Fri)	15:30~16:20	P4-210	Soil Erosion and Degradation on Agriculture Land	AF3332	Xianjun Jiang	China	college of Resources and Environment, Southwest	Poster	Specific Ion Effects in Polyacrylamide-Containing Aggregates
June 13(Fri)	15:30~16:20	P4-211	Soil Erosion and Degradation on Agriculture Land	AF3335	Hang Li	China	College of Resources and Environment, Southwest	Poster	Coupling of Soil Electric Field and Specific Ion Effects in Soil Particle Transport during Rainfall
June 13(Fri)	15:30~16:20	P4-212	Soil Erosion and Degradation on Agriculture Land	AF3336	Xiaodan Gao	China	Southwest University	Poster	Specific Ion Effects from Divalent Cations on Clay?Clay and Clay?Humus Interactions
June 13(Fri)	15:30~16:20	P4-213	Soil Erosion and Degradation on Agriculture Land	AF3337	Lael Goodman	USA	Union of Concerned Scientists	Poster	The effects of water-table depth on carbon dioxide emissions for oil palm cultivation on peatlands

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June 13(Fri)	15:30~16:20	P4-214	Soil Erosion and Degradation on Agriculture Land	AF3341	Haibin Gu	China	Xinjiang Agricultural University	Poster	Soil Water Erosion and Conservation in Xinjiang, the Most Arid Region of China
June 13(Fri)	15:30~16:20	P4-215	Soil Erosion and Degradation on Agriculture Land	AK0644	Seung Chang Hong	Korea	National Academy of Agricultural Science, RDA	Poster	Furrow Cover Effects by Using Non-Woven Fabric on Reduction of Nonpoint Pollutant Discharge in Red Pepper Cultivation Soil
June 13(Fri)	15:30~16:20	P4-216	Soil Erosion and Degradation on Agriculture Land	AK1651	Minkyong Kim	Korea	National Academy of Agricultural Science	Poster	Small Pond Effect on Reducing Pollutants Load from a Paddy Field with Livestock Manure Land Application
June 13(Fri)	15:30~16:20	P4-217	Soil Erosion and Degradation on Agriculture Land	AK2357	Jongsoo Ryu	Korea	National Institute of Crop Science, RDA	Poster	Evaluation of runoff and soil loss by slope and tillage plan in saprolite soil
June 13(Fri)	15:30~16:20	P4-218	Soil Erosion and Degradation on Agriculture Land	AK2444	Jeong Tae Lee	Korea	Highland Agriculture Research Center, National	Poster	Evaluation of Soil Loss According to Surface Covering Methods in Potato Cultivation
June 13(Fri)	15:30~16:20	P4-219	Soil Erosion and Degradation on Agriculture Land	AK3097	Young Sang Ahn	Korea	Chonnam National University	Poster	Effects of land use changes on sedimentation rates in the Henderson Creek estuary, West Auckland, New Zealand
June 13(Fri)	15:30~16:20	P4-220	Soil Erosion and Degradation on Agriculture Land	AK3219	Jinkwan Son	Korea	National Academy of Agricultural Science, RDA	Poster	The water and soil environment at pond wetland in agricultural landscape, korea
June 13(Fri)	15:30~16:20	P4-221	Soil Erosion and Degradation on Agriculture Land	AK3281	Dong June Lee	Korea	Kangwon National University	Poster	Analysis of Effects on Soil Erosion Reduction of various Best Management Practices
June 13(Fri)	15:30~16:20	P4-222	Soil Erosion and Degradation on Agriculture Land	AF3349	Fangling Fan	China	Southwest University	Poster	Research on Soil Storage Effect and Microbial Characteristics of the Slope Cropland-Mulberry System in the Three Gorges Reservoir Area
June 13(Fri)	All day	Art Poster	Soil Management Strategy for Enhancing Crop Yields-art		Matthew Moore				
June 13(Fri)	All day	Art Poster	Soil Management Strategy for Enhancing Crop Yields-art		Urbaniahoeve				
June 13(Fri)	15:30~16:20	P4-223	Soil Management Strategy for Enhancing Crop Yields	AF0008	Elnaz Ebrahimian	Iran	Ferdowsi University of Mashhad	Poster	The effect of molybdenum and silisium on quality and yield of Brassica napus
June 13(Fri)	15:30~16:20	P4-224	Soil Management Strategy for Enhancing Crop Yields	AF0009	Elnaz Ebrahimian	Iran	Ferdowsi University of Mashhad	Poster	Investigatin of Nitrogen Use and Rial-Economic Efficiency in Brassica napus cultivation in Azarbayjan, IRAN
June 13(Fri)	15:30~16:20	P4-225	Soil Management Strategy for Enhancing Crop Yields	AF0014	Karim Bhiah	Iraq	University of Kufa	Poster	Potassium and rice with high N under field conditions
June 13(Fri)	15:30~16:20	P4-226	Soil Management Strategy for Enhancing Crop Yields	AF0034	Majid Basirat	Iran	Soil and Water Research Ins	Poster	Molecular and morphological responses of tomato plants to different levels of phosphorous supply in hydroponically growing system
June 13(Fri)	15:30~16:20	P4-227	Soil Management Strategy for Enhancing Crop Yields	AF0037	Ali Gholami	Iran	Department of Soil Science, Science and Research	Poster	The Scrutiny of Interaction between Iron Nano Chelate and Chlophony Hydrogel as a Superabsorbent on the Yield of Grain Corn
June 13(Fri)	15:30~16:20	P4-228	Soil Management Strategy for Enhancing Crop Yields	AF0041	Darmawan Darmawan	Indonesia	Soil Science Dept. faculty of Agriculture, Andalas	Poster	Combating Soil Properties Deterioration of New Established Rice Field by Using Biocharcoal in West Sumatra, Indonesia
June 13(Fri)	15:30~16:20	P4-229	Soil Management Strategy for Enhancing Crop Yields	AF0064	Milkha Aulakh	India	MSKJ University of Agriculture & Technology	Poster	Soil tillage, integrated nutrients and crop residue management for enhancing soil health and crop yields in semiarid subtropical soil
June 13(Fri)	15:30~16:20	P4-230	Soil Management Strategy for Enhancing Crop Yields	AF0067	Wassie Haile Wodeyohannes	Ethiopia	Hawassa University	Poster	Phosphorus Sorption Isotherm and external P-requirements of some soils of Southern Ethiopia
June 13(Fri)	15:30~16:20	P4-231	Soil Management Strategy for Enhancing Crop Yields	AF0078	Prabhakaran Nair	India	Retired	Poster	'The Nutrient Buffer Power Concept' - A Revolutionary Soil Testing Procedure to Economize Fertilizer Use in Sustainable Agriculture
June 13(Fri)	15:30~16:20	P4-232	Soil Management Strategy for Enhancing Crop Yields	AF0098	Natta Takrattanasaran	Thailand	Ministry of Agriculture and Cooperatives	Poster	Correction of Zn deficiency of corn in calcareous soils of Thailand: Zn sources and application methods
June 13(Fri)	15:30~16:20	P4-233	Soil Management Strategy for Enhancing Crop Yields	AF0099	Recep Gundogan	Turkey	KAHRAMANMARAS SUTCU IMAM UNIVERSITY	Poster	The Effect of Alley Cropping on Pistachio Growth in Temperate Region
June 13(Fri)	15:30~16:20	P4-234	Soil Management Strategy for Enhancing Crop Yields	AF0108	Basavaraja P. K.	India	University of Agricultural Sciences, GKVK, Bengaluru -	Poster	Response of hybrid maize to foliar spray of different seaweed extracts
June 13(Fri)	15:30~16:20	P4-235	Soil Management Strategy for Enhancing Crop Yields	AF0109	Yogendra N. D.	India	University of Agricultural Science, GKVK, Bengaluru -	Poster	Effect of seaweed extract on growth, yield and nutrient uptake by wetland rice

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June 13(Fri)	15:30~16:20	P4-236	Soil Management Strategy for Enhancing Crop Yields	AF0121	Ramaraju Hanumanahally	India	Department of Civil Engineering, Dayananda	Poster	Impact of Rural Eco-Sanitation Systems on land at Ancharahalli, Doddaballapur Taluk, Bangalore, South India
June 13(Fri)	15:30~16:20	P4-237	Soil Management Strategy for Enhancing Crop Yields	AF0122	Nilantha Hulugalle	Australia	NSW Dept of Primary Industries	Poster	Soil quality, CO2 emissions and yields in irrigated cotton-based cropping systems sown in a Vertisol with subsoil sodicity
June 13(Fri)	15:30~16:20	P4-238	Soil Management Strategy for Enhancing Crop Yields	AF0131	Hermansah Karani	Indonesia	Faculty of Ariculture Andalas University, Padang Indonesia	Poster	Nutrient fluxes and soil characteristics in various land use in a super wet tropical rain forest, West Sumata, Indonesia.
June 13(Fri)	15:30~16:20	P4-239	Soil Management Strategy for Enhancing Crop Yields	AF0167	Olufunmilayo Ande	Nigeria	Institute of Agric. Research and Training, OAU, Ibadan,	Poster	Evaluation of peri-urban Fluvisols with GIS for dry season maize production in south western Nigeria
June 13(Fri)	15:30~16:20	P4-240	Soil Management Strategy for Enhancing Crop Yields	AF0177	Adriano Stephan Nascente	Brazil	Brazilian Agricultural Research Corporation	Poster	Application of liquid calcium carbonate micron particles on the furrow as affecting the soil phosphorus availability and common
June 13(Fri)	15:30~16:20	P4-241	Soil Management Strategy for Enhancing Crop Yields	AF0184	Adriano Stephan Nascente	Brazil	Brazilian Agricultural Research Corporation	Poster	Levels of ammonium and nitrate in the soil and upland rice development as affected by cover crops
June 13(Fri)	15:30~16:20	P4-242	Soil Management Strategy for Enhancing Crop Yields	AF0186	Adriano Stephan Nascente	Brazil	Brazilian Agricultural Research Corporation	Poster	Common beans grain yield as affected by phosphorus fertilization in the sowing furrow and foliar
June 13(Fri)	15:30~16:20	P4-243	Soil Management Strategy for Enhancing Crop Yields	AF0187	Adriano Stephan Nascente	Brazil	Brazilian Agricultural Research Corporation	Poster	EVALUATION OF THE RECOVERY 15N-AMMONIUM NITRATE IN CAPIM-MARANDU GRASS PASTURE AND CORN CULTIVATED IN A
June 13(Fri)	15:30~16:20	P4-244	Soil Management Strategy for Enhancing Crop Yields	AF0189	Adriano Stephan Nascente	Brazil	Brazilian Agricultural Research Corporation	Poster	Phosphate fertilization in the soil and Penergetic application in the grain yield of common bean
June 13(Fri)	15:30~16:20	P4-245	Soil Management Strategy for Enhancing Crop Yields	AF0190	Adriano Stephan Nascente	Brazil	Brazilian Agricultural Research Corporation	Poster	Previous intercropping corn with palisadegrass in a tropical region as affecting soil fertility and annual crops nutrition and grain yields
June 13(Fri)	15:30~16:20	P4-246	Soil Management Strategy for Enhancing Crop Yields	AF0191	Adriano Stephan Nascente	Brazil	Brazilian Agricultural Research Corporation	Poster	Zinc, Copper, Boron and Iron Requirement of Upland Rice Grown on a Brazilian Oxisol
June 13(Fri)	15:30~16:20	P4-247	Soil Management Strategy for Enhancing Crop Yields	AF0210	Adriano Stephan Nascente	Brazil	Brazilian Agricultural Research Corporation	Poster	Nutrient Uptake and Use Efficiency by Tropical Legume Cover Crops at varying pH of an Oxisol
June 13(Fri)	15:30~16:20	P4-248	Soil Management Strategy for Enhancing Crop Yields	AF0225	Quintino Araujo	Brazil	Cocoa Research Center / Ceplac and State University	Poster	Establishment and Validation of Soil Quality Indicators by Participatory Method for Rural Settlements in Southern Bahia, Brazil.
June 13(Fri)	15:30~16:20	P4-249	Soil Management Strategy for Enhancing Crop Yields	AF0255	Susan John Kuzhivilayil	India	Central Tuber Crops Research Institute ( Indian	Poster	Sustainability of cassava (Manihot esculenta Crantz) under continuous cultivation without plant nutrition: two decades
June 13(Fri)	15:30~16:20	P4-250	Soil Management Strategy for Enhancing Crop Yields	AF0257	Pc Rao	India	ANGRAU, Hyderabad	Poster	Efficient recycling of agricultural and market wastes by Vermicomposting
June 13(Fri)	15:30~16:20	P4-251	Soil Management Strategy for Enhancing Crop Yields	AF0258	Mohammadagha Lotfollahi	Iran	karai azad university	Poster	The effect of split nitrogen application on protein concentration of wheat under different water regimes.
June 13(Fri)	15:30~16:20	P4-252	Soil Management Strategy for Enhancing Crop Yields	AF0289	PI Patil	India	UNIVERSITY OF AGRICULTURAL SCIENCES,	Poster	Response of Groundnut (Arachis hypogaea L) to nutrients constraints identified by GIS technique
June 13(Fri)	15:30~16:20	P4-253	Soil Management Strategy for Enhancing Crop Yields	AF0312	Jay Jabro	USA	NPARR-ARS-USDA	Poster	Crop Water Productivity of Sugarbeet as Affected by Tillage under MESA Irrigation System
June 13(Fri)	15:30~16:20	P4-254	Soil Management Strategy for Enhancing Crop Yields	AF0314	Zizhong Li	China	China Agricultural University	Poster	Yield, Water and Nitrogen Use of Spring Maize with Straw Mulch under Flat Bed and Ridge-Furrow Planting in Northeast China
June 13(Fri)	15:30~16:20	P4-255	Soil Management Strategy for Enhancing Crop Yields	AF0318	Austin Tenthani Phiri	Malawi	Ministry of Agriculture and Food Security	Poster	Insitu assessment of soil nitrate-nitrogen in the pigeon pea-groundnut intercropping-maize rotation system: Implications on
June 13(Fri)	15:30~16:20	P4-256	Soil Management Strategy for Enhancing Crop Yields	AF0328	Mazibur Rahman	Bangladesh	Bangladesh Agricultural University, Mymensingh	Poster	Municipal solid waste compost improves soil fertility in rice-rice cropping system
June 13(Fri)	15:30~16:20	P4-257	Soil Management Strategy for Enhancing Crop Yields	AF0348	Dinah Marie Dayag	Philippines	Bulacan Agricultural State College	Poster	Aerobic Rice Production System (ARPS): Improving Productivity in Water-Scarce Areas of Central Luzon, Phillipines
June 13(Fri)	15:30~16:20	P4-258	Soil Management Strategy for Enhancing Crop Yields	AF0352	Aminul Islam	Bangladesh	Bangladesh Rice Research Institute (BRRI)	Poster	Long-term potassium fertilization effects on quantity-intensity relationships and potassium buffering capacity of wetland rice soil
June 13(Fri)	15:30~16:20	P4-259	Soil Management Strategy for Enhancing Crop Yields	AF0394	Wang Lingli	China	Chinese Academy of Science, Shenyang Institute of	Poster	The Progress of Research on Chinese Stabilized Fertilizer

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June 13(Fri)	15:30~16:20	P4-260	Soil Management Strategy for Enhancing Crop Yields	AF0396	D D Patra	India	CSIR-Central Institute of Medicinal and Aromatic	Poster	Potentiality of plant products as nitrification inhibitors
June 13(Fri)	15:30~16:20	P4-261	Soil Management Strategy for Enhancing Crop Yields	AF0397	Oscar Kisaka	Kenya	ICRAF	Poster	MODELLING LONG-TERM MAIZE RESPONSE TO NITROGEN MANAGEMENT UNDER SEMI-ARID CONDITIONS OF EASTERN
June 13(Fri)	15:30~16:20	P4-262	Soil Management Strategy for Enhancing Crop Yields	AF0400	Nosratollah Najafi	Iran	University of Tabriz	Poster	Integrated effects of organic and chemical fertilizers on some micronutrients concentrations of rice plant under different soil water
June 13(Fri)	15:30~16:20	P4-263	Soil Management Strategy for Enhancing Crop Yields	AF0408	Valdo Rodrigues Herling	Brazil	Universidade de Sao Paulo - FZEA/USP	Poster	EVALUATION OF TWO SOURCES OF PHOSPHORUS AND MICRONUTRIENTS IN PRODUCTIVITY AND TECHNOLOGICAL
June 13(Fri)	15:30~16:20	P4-264	Soil Management Strategy for Enhancing Crop Yields	AF0409	Valdo Rodrigues Herling	Brazil	Universidade de Sao Paulo - FZEA/USP	Poster	Performance evaluation of phonolite rock as a source of potassium conveyed the mineral form and enrichment of filter cake applied in
June 13(Fri)	15:30~16:20	P4-265	Soil Management Strategy for Enhancing Crop Yields	AF0422	Krishna Kishore Satapathy	India	Indian Council of Agricultural Research	Poster	Shifting cultivation and alternative farming systems in the North Eastern Hills region of India
June 13(Fri)	15:30~16:20	P4-266	Soil Management Strategy for Enhancing Crop Yields	AF0423	Fernanda De Fatima Da Silva	Brazil	University of Sao Paulo	Poster	Management of potassium fertilization on the nutrition of maize hybrids
June 13(Fri)	15:30~16:20	P4-267	Soil Management Strategy for Enhancing Crop Yields	AF0425	Otobong Iren	Nigeria	UNIVERSITY	Poster	COMPARATIVE EFFECTS OF DIFFERENT NITROGEN SOURCES FROM ORGANIC MANURE AND UREA FERTILIZER ON SOIL CHEMICAL
June 13(Fri)	15:30~16:20	P4-268	Soil Management Strategy for Enhancing Crop Yields	AF0507	Ch Ramalakshmi	India	ANGRAU, Andhra Pradesh	Poster	ORGANIC FARMING FOR SUSTAINED SOIL HEALTH IN SUGARCANE
June 13(Fri)	15:30~16:20	P4-269	Soil Management Strategy for Enhancing Crop Yields	AF0508	Ch Ramalakshmi	India	ANGRAU, Andhra Pradesh	Poster	MATURITY INDICES FOR EVALUATION OF QUALITY COMPOSTS
June 13(Fri)	15:30~16:20	P4-270	Soil Management Strategy for Enhancing Crop Yields	AF0511	Manfred Sager	Austria	AGES Wien	Poster	SELECTED NON- METALS IN THE MINERAL - SOIL- PLANT SYSTEM (B-Si-P-S-F-Cl-Br-I)
June 13(Fri)	15:30~16:20	P4-271	Soil Management Strategy for Enhancing Crop Yields	AF0521	Gebremedhin Gebremeskel Haile	Ethiopia	Tigray Agricultural Research Institute,Ethiopia	Poster	Evaluation of Compost Tea on Yield Productions and Post-Harvest Soil Properties of Potato and Tomato at Mekelle, Northern Ethiopia
June 13(Fri)	15:30~16:20	P4-272	Soil Management Strategy for Enhancing Crop Yields	AF0532	Paulo Paiva	Brazil	EMPAER-MT	Poster	Availability of manganese to rice (Oriza sativa) in Mato Grosso - Brazil soil.
June 13(Fri)	15:30~16:20	P4-273	Soil Management Strategy for Enhancing Crop Yields	AF0546	Abdallah Muniafu	Kenya	United States International University	Poster	African Traditional Vegetables as agents of Integrated Soil Fertility Management-Crotalaria And Amaranth Farming
June 13(Fri)	15:30~16:20	P4-274	Soil Management Strategy for Enhancing Crop Yields	AF0551	Yusuke Arakawa	Japan	NARO Kyushu Okinawa Agricultural Research Center	Poster	Does compost pelletization improve phosphorus use efficiency for field crops?
June 13(Fri)	15:30~16:20	P4-275	Soil Management Strategy for Enhancing Crop Yields	AF0552	Lokanath Malligawad	India	UNIVERSITY OF AGRICULTURAL SCIENCES,	Poster	Nutrient management in groundnut + hybrid Bt cotton (3:1) intercropping system in medium deep Vertisol under rainfed farming
June 13(Fri)	15:30~16:20	P4-276	Soil Management Strategy for Enhancing Crop Yields	AF0553	Lokanath Malligawad	India	UNIVERSITY OF AGRICULTURAL SCIENCES,	Poster	Productivity of groundnut in Vertisol (medium black clay soil) as influenced by different nutrient management practices during post-
June 13(Fri)	15:30~16:20	P4-277	Soil Management Strategy for Enhancing Crop Yields	AF0554	Lokanath Malligawad	India	UNIVERSITY OF AGRICULTURAL SCIENCES,	Poster	Productivity of groundnut as influenced by water soluble foliar grade fertilizer during rainy season under rainfed and post-rainy/summer
June 13(Fri)	15:30~16:20	P4-278	Soil Management Strategy for Enhancing Crop Yields	AF0555	Lokanath Malligawad	India	UNIVERSITY OF AGRICULTURAL SCIENCES,	Poster	Productivity of groundnut as influenced by different ratios and levels of nitrogen and phosphorus fertilizers during rainy season under
June 13(Fri)	15:30~16:20	P4-279	Soil Management Strategy for Enhancing Crop Yields	AF0556	Lokanath Malligawad	India	UNIVERSITY OF AGRICULTURAL SCIENCES,	Poster	Productivity of linseed as influenced by ratios and levels of nitrogen and phosphorus fertilizers during post-rainy season under irrigated
June 13(Fri)	15:30~16:20	P4-280	Soil Management Strategy for Enhancing Crop Yields	AF0557	Lokanath Malligawad	India	UNIVERSITY OF AGRICULTURAL SCIENCES,	Poster	Studies on the effect integrated nutrient management practices on the productivity of groundnut (Spanish bunch) in Vertisol during
June 13(Fri)	15:30~16:20	P4-281	Soil Management Strategy for Enhancing Crop Yields	AF0558	Lokanath Malligawad	India	UNIVERSITY OF AGRICULTURAL SCIENCES,	Poster	Studies on the effect of ratios and levels of nitrogen and phosphorus on the productivity of groundnut in medium Vertisol during rainy
June 13(Fri)	15:30~16:20	P4-282	Soil Management Strategy for Enhancing Crop Yields	AF0579	Shittu Olubunmi	Nigeria	Ekiti State University, Ado-Ekiti, Nigeria	Poster	Influence of Landusetypes and Topography on soil quality in southwestern Nigeria;Implication for soil Management and Crop
June 13(Fri)	15:30~16:20	P4-283	Soil Management Strategy for Enhancing Crop Yields	AF0586	Abdou Soaud	Egypt	Cairo University	Poster	Effect of Paracoccus Versutus, elemental sulfur, and compost on the pH and available sulfur content of calcareous sandy soils

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June 13(Fri)	15:30~16:20	P4-284	Soil Management Strategy for Enhancing Crop Yields	AF0592	Parashuram Chandravanshi	India	University of Agricultural and Horticultural Sciences,	Poster	STUDIES ON SOIL PROPERTIES AND SOIL FERTILITY THROUGH INTEGRATED NUTRIENT MANAGEMENT IN RICE-MAIZE CROPPING
June 13(Fri)	15:30~16:20	P4-285	Soil Management Strategy for Enhancing Crop Yields	AF0598	Michael Kekong	Nigeria	Cross River University of Technology	Poster	Moringa And Fertiplus Influence Some Soil Chemical Properties And Yield of Garden Egg in Nigerian Agroecologies
June 13(Fri)	15:30~16:20	P4-286	Soil Management Strategy for Enhancing Crop Yields	AF0626	Olga Biryukova	Russia	Southern Federal University	Poster	The Use of the Method of Soil & Plant Diagnostics to Predict the Protein Content of Wheat Grains
June 13(Fri)	15:30~16:20	P4-287	Soil Management Strategy for Enhancing Crop Yields	AF0636	Mark Jeffrey Morete	Philippines	University of the Philippines-Los Banos / International	Poster	Zn deficiency tolerance in lowland rice: Effect of Zn deficiency on grain yield and grain Zn under different soil environments
June 13(Fri)	15:30~16:20	P4-288	Soil Management Strategy for Enhancing Crop Yields	AF0641	Nur Aainaa Hasbullah	Malaysia	Universiti Putra Malaysia Bintulu Campus	Poster	Reducing Egypt Rock Phosphate use in Zea mays cultivation on An Acid Soil using Clinoptilolite Zeolite
June 13(Fri)	15:30~16:20	P4-289	Soil Management Strategy for Enhancing Crop Yields	AF0647	Toshihiko Karasawa	Japan	NARO Agricultural Research Center	Poster	Nitrogen mineralization from organic matter applied to soil under the condition of organic or conventional management
June 13(Fri)	15:30~16:20	P4-290	Soil Management Strategy for Enhancing Crop Yields	AF0652	Sanhla Htwe	Myanmar(Burma)	Department of Agriculture	Poster	Productivity and Crop Growth Performance of diversified intensive rice-based cropping system
June 13(Fri)	15:30~16:20	P4-291	Soil Management Strategy for Enhancing Crop Yields	AF0662	Jeena Mathew	India	Central Plantation Crops Research Institute	Poster	Assessment of soil chemical indicators in coconut growing boron deficient entisols
June 13(Fri)	15:30~16:20	P4-292	Soil Management Strategy for Enhancing Crop Yields	AF0687	Mahdi Sadeghi Pour Marvi	Iran	University of Tehran	Poster	Effect of Nitrogen and Phosphorous Rates on Fertilizer Use Efficiency in Lettuce and Spinach
June 13(Fri)	15:30~16:20	P4-293	Soil Management Strategy for Enhancing Crop Yields	AF0688	Neeraj Kumar Awasthi	India	Uralkali	Poster	Influence of Potassium Nutrition on Yield and Quality of Cauliflower (Brassica oleracea var. botrytis) in Eastern Region of India
June 13(Fri)	15:30~16:20	P4-294	Soil Management Strategy for Enhancing Crop Yields	AF0690	Mahdi Sadeghi Pour Marvi	Iran	University of Tehran	Poster	Phosphorous Simple Effect on Agronomic Characteristics of Lettuce & Spinach
June 13(Fri)	15:30~16:20	P4-295	Soil Management Strategy for Enhancing Crop Yields	AF0696	D. N. Samaraweera	Sri Lanka	EXPORT AGRICULTURE DEPARTMENT	Poster	Phosphorus adsorption behaviour in selected cinnamon (cinnamomum zeylanicum Blume) growing soils in Sri Lanka
June 13(Fri)	15:30~16:20	P4-296	Soil Management Strategy for Enhancing Crop Yields	AF0700	Md. Bodruzzaman	Bangladesh	Bangladesh Agricultural Research Institute	Poster	Long-term effects of applied organic manures and inorganic fertilizers on yield and soil fertility in a wheat-rice cropping pattern
June 13(Fri)	15:30~16:20	P4-297	Soil Management Strategy for Enhancing Crop Yields	AF0701	Md. Bodruzzaman	Bangladesh	Bangladesh Agricultural Research Institute	Poster	Effect of dolomite on yields and nutrient availability in maize-rice cropping pattern in acid soils of northwest Bangladesh
June 13(Fri)	15:30~16:20	P4-298	Soil Management Strategy for Enhancing Crop Yields	AF0722	Balakrishna Gurugubelli	India	Academic	Poster	Effect of limestone soil dust on some plant species
June 13(Fri)	15:30~16:20	P4-299	Soil Management Strategy for Enhancing Crop Yields	AF0733	Preeti Deshmukh	India	Vasantdada Sugar Institute, Pune	Poster	RELATIONSHIP BETWEEN NATIVE POTASSIUM IN SOIL WITH YIELD AND QUALITY OF SUGARCANE
June 13(Fri)	15:30~16:20	P4-300	Soil Management Strategy for Enhancing Crop Yields	AF0735	Anoop Kumar Srivastava	India	National Research Centre for Citrus , Nagpur ,	Poster	Multi-tier soil fertility evaluation rating for citrus
June 13(Fri)	15:30~16:20	P4-301	Soil Management Strategy for Enhancing Crop Yields	AF0757	Okky Amalia	Indonesia	PhD Student of Ghent University - Belgium	Poster	Soil quality under organic and conventional farming systems in Java, Indonesia
June 13(Fri)	15:30~16:20	P4-302	Soil Management Strategy for Enhancing Crop Yields	AF0758	Ying Zhao	China	College of Natural Resources and Environment	Poster	Simulation of soil water and heat flow in mulched ridges and furrows wheat field of Loess Plateau, China
June 13(Fri)	15:30~16:20	P4-303	Soil Management Strategy for Enhancing Crop Yields	AF0761	Zhong Liu	China	China Agricultural University	Poster	Soil surface nitrogen balance of field crop system of China's agro-ecological zones
June 13(Fri)	15:30~16:20	P4-304	Soil Management Strategy for Enhancing Crop Yields	AF0773	Milan Mesic	Croatia	Faculty of Agriculture	Poster	Changes in Soil Properties after 15 Years of Different N Fertilization
June 13(Fri)	15:30~16:20	P4-305	Soil Management Strategy for Enhancing Crop Yields	AF0813	Juan Carlos Reginato	Argentina	Universidad Nacional de Rio Cuarto	Poster	CUMULATIVE NUTRIENT UPTAKE BY ROOTS AS SIMULATED BY FIXED AND MOVING BOUNDARY MODELS. CORRECTIONS AND
June 13(Fri)	15:30~16:20	P4-306	Soil Management Strategy for Enhancing Crop Yields	AF0822	Vo Quang Minh	Viet Nam	Can Tho University	Poster	Soil Fertility Capability Classification for Rice Soils in the Mekong Delta, Vietnam
June 13(Fri)	15:30~16:20	P4-307	Soil Management Strategy for Enhancing Crop Yields	AF0855	Basavaraja P. K.	India	University of Agricultural Sciences, GKVK, Bengaluru -	Poster	Influence of different forms of fertilizers and approaches of nutrient recommendations on hybrid maize yield and nutrient use efficiency

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June 13(Fri)	15:30~16:20	P4-308	Soil Management Strategy for Enhancing Crop Yields	AF0858	Ricardo Melgar	Argentina	INTA	Poster	Salinity management with potassium in horticultural crops in irrigated areas of Argentina
June 13(Fri)	15:30~16:20	P4-309	Soil Management Strategy for Enhancing Crop Yields	AF0888	Chen Xiping	China	China Agricultural University	Poster	Improving yield and nitrogen use efficiency of maize in China
June 13(Fri)	15:30~16:20	P4-310	Soil Management Strategy for Enhancing Crop Yields	AF0899	Ilias Hossain	Bangladesh	Bangladesh Agricultural Research Institute(BARI)	Poster	Improving Soil and Crops Productivity through Resource Conservation Technologies in Warmer Area
June 13(Fri)	15:30~16:20	P4-311	Soil Management Strategy for Enhancing Crop Yields	AF0903	Rina Devnita	Indonesia	Padjadjaran University	Poster	Remediation of Andisol in Managing and Improving the Soil Characteristics and Its Sustainable Productivity in the Agricultural Area
June 13(Fri)	15:30~16:20	P4-312	Soil Management Strategy for Enhancing Crop Yields	AF0911	Linh Tran Ba	Belgium	Gent University	Poster	Prospects of crop rotation for improving soil quality and rice yield in the Mekong Delta, Vietnam
June 13(Fri)	15:30~16:20	P4-313	Soil Management Strategy for Enhancing Crop Yields	AF0938	Yibing Ma	China	Institute of Agricultural Resources and Regional	Poster	Accumulated nitrogen recovery and its application in wheat-maize cropping systems
June 13(Fri)	15:30~16:20	P4-314	Soil Management Strategy for Enhancing Crop Yields	AF0945	Saleem Muhammad	Pakistan	Agriculture Research Institute Tandojam-Pakistan	Poster	DIRECT AND RESIDUAL EFFECTS OF BORON AND ZINC APPLICATION ON RICE AND SUBSEQUENT WHEAT CROP
June 13(Fri)	15:30~16:20	P4-315	Soil Management Strategy for Enhancing Crop Yields	AF0954	Prakash Nagabovanalli B	India	University of Agricultural Sciences, Bangalore	Poster	Effect of different sources of silicon on growth and yield of maize in southern India
June 13(Fri)	15:30~16:20	P4-316	Soil Management Strategy for Enhancing Crop Yields	AF0982	Lida Issazadeh	Iran	Young Researchers and Elite Club, Mahabad Branch,	Poster	Effects of humic liquid fertilizer on six genotype of bread wheat in the end of drought conditions
June 13(Fri)	15:30~16:20	P4-317	Soil Management Strategy for Enhancing Crop Yields	AF0999	Ho Young Kwon	USA	International Food Policy Research Institute	Poster	Modeling of rice yield response to biochar application in Vietnam
June 13(Fri)	15:30~16:20	P4-318	Soil Management Strategy for Enhancing Crop Yields	AF1026	Vo Quang Minh	Viet Nam	Can Tho University	Poster	Criteria for assessment of acid sulfate soil environments for rice cultivation in the Mekong delta, Vietnam
June 13(Fri)	15:30~16:20	P4-319	Soil Management Strategy for Enhancing Crop Yields	AF1032	Sathish Ayyappa	India	UAS, Bangalore, Karnataka	Poster	Integrated Nutrient Management and crop rotation for sustainable crop production and soil fertility maintenance in Alfisol under
June 13(Fri)	15:30~16:20	P4-320	Soil Management Strategy for Enhancing Crop Yields	AF1092	Ezekiel Akinkunmi Akinrinde	Nigeria	Department of Agronomy, University of Ibadan, Nigeria	Poster	DRY MATTER PARTITIONING, NITROGEN UPTAKE AND USE EFFICIENCY BY CUCUMBER (Cucumis sativa L) ON A SANDY-LOAM
June 13(Fri)	15:30~16:20	P4-321	Soil Management Strategy for Enhancing Crop Yields	AF1096	Brad Joern	USA	Purdue University	Poster	Coupling Soil Properties, Weather, Management and Nitrogen Transformations to Optimize In-season Nitrogen Application Rates
June 13(Fri)	15:30~16:20	P4-322	Soil Management Strategy for Enhancing Crop Yields	AF1099	Pedro Henrique De Cerqueira Luz	Brazil	University of State of Sao Paulo (FZEA/USP)	Poster	Nutrient uptake and use of image analysis to detect nutrient deficiencies in maize subjected to the omission of NPK and Mn
June 13(Fri)	15:30~16:20	P4-323	Soil Management Strategy for Enhancing Crop Yields	AF1109	Ana Dolores Freitas	Brazil	Universidade Federal Rural de Pernambuco	Poster	Fixed nitrogen by green manure plants and their effects on melon productivity in Northeast Brazil
June 13(Fri)	15:30~16:20	P4-324	Soil Management Strategy for Enhancing Crop Yields	AF1153	Binoy Naha	India	mvsc	Poster	Integrated Crop-Livestock Farming Systems
June 13(Fri)	15:30~16:20	P4-325	Soil Management Strategy for Enhancing Crop Yields	AF1154	Binoy Naha	India	mvsc	Poster	Reconsidering Integrated Crop-Livestock Systems in India
June 13(Fri)	15:30~16:20	P4-326	Soil Management Strategy for Enhancing Crop Yields	AF1160	Ming Liu	China	Institute of Soil Science, Chinese Academy of	Poster	A Potential Method for Synchronous Improvement of Soil Fertility, Biological Function and Productivity in Red Soil Region of
June 13(Fri)	15:30~16:20	P4-327	Soil Management Strategy for Enhancing Crop Yields	AF1166	Mohammad Ekram Ul Haque	Bangladesh	BANGLADESH INSTITUTE OF NUCLEAR AGRICULTURE	Poster	LEGUME RESIDUE INCORPORATION AND N UPTAKE BY CROP: A SYNCHRONIZATION STUDY BETWEEN NITROGEN RELEASE AND RICE
June 13(Fri)	15:30~16:20	P4-328	Soil Management Strategy for Enhancing Crop Yields	AF1179	Mohammad Asadul Haque	Bangladesh	Patuakhali Science and Technology University	Poster	Mineralization of Bioslurry and Its Integrated Use With Fertilizers in the Rice Based Cropping Systems
June 13(Fri)	15:30~16:20	P4-329	Soil Management Strategy for Enhancing Crop Yields	AF1182	A. T. M. S. Hossain	Bangladesh	Bangladesh Rice Research Institute (BRR)	Poster	Effect of soil phosphorus and phosphorus sources on phosphorus nutrition and yield of wetland rice
June 13(Fri)	15:30~16:20	P4-330	Soil Management Strategy for Enhancing Crop Yields	AF1186	Sellamuthu K M	India	Tamil Nadu Agricultural University	Poster	Soil Test Based Fertilizer Prescription through IPNS for Rainfed maize on an Inceptisol
June 13(Fri)	15:30~16:20	P4-331	Soil Management Strategy for Enhancing Crop Yields	AF1192	PI Patil	India	UNIVERSITY OF AGRICULTURAL SCIENCES,	Poster	RESPONSE OF CHICKPEA (Cicer ariteinum L.) TO IDENTIFIED MICRONUTRIENTS CONSTRAINTS UNDER VERTISOL IN KARNATAKA,

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June 13(Fri)	15:30~16:20	P4-332	Soil Management Strategy for Enhancing Crop Yields	AF1217	Maragatham Subramaniam	India	Tamil Nadu Agricultural University	Poster	Rationalized Fertilizer Prescription for Rice Rice sequence under System of Rice Intensification (SRI)
June 13(Fri)	15:30~16:20	P4-333	Soil Management Strategy for Enhancing Crop Yields	AF1233	Jude Ene	Nigeria	University of Nigeria	Poster	Evaluating the Productivity of Selected Soils in Nsukka, Southeastern Nigeria, using Riquier's Index Model
June 13(Fri)	15:30~16:20	P4-334	Soil Management Strategy for Enhancing Crop Yields	AF1261	Holger Kirchmann	Sweden	SLU	Poster	Future agriculture - sustainable intensification of crop production by new management of soils
June 13(Fri)	15:30~16:20	P4-335	Soil Management Strategy for Enhancing Crop Yields	AF1264	Marta Alfaro	Chile	INIA	Poster	Insights of the nitrogen use efficiency in volcanic soils of Southern Chile
June 13(Fri)	15:30~16:20	P4-336	Soil Management Strategy for Enhancing Crop Yields	AF1282	G. Ganapathi	India	University of Agricultural and Horticultural	Poster	Organic Farming on Fruit Yield of Tomato and Soil Fertility in rainfed alfisols of southern Transition Zone of Karnataka,India.
June 13(Fri)	15:30~16:20	P4-337	Soil Management Strategy for Enhancing Crop Yields	AF1285	Abdul Rashid	Pakistan	Pakistan Academy of Sciences	Poster	Restoring Crop Productivity of Irrigated Cotton-Wheat Aridisols by Integrated Nutrient Management and Crop Residue Recycling
June 13(Fri)	15:30~16:20	P4-338	Soil Management Strategy for Enhancing Crop Yields	AF1299	Angelica Deus	Brazil	Sao Paulo State University - UNESP	Poster	Determination of heavy metals in soil and plants that received steel industrial residue application.
June 13(Fri)	15:30~16:20	P4-339	Soil Management Strategy for Enhancing Crop Yields	AF1326	Isitekhaile Henry-Harry Esomeme	Nigeria	Ambrose Alli University, Ekpoma, Edo state, Nigeria	Poster	Effects of Organo Mineral Fertilizer on Soil Nutrients in an Ultisols of Nigeria
June 13(Fri)	15:30~16:20	P4-340	Soil Management Strategy for Enhancing Crop Yields	AF1335	Xun Li	China	Institute of Soil Science, Chinese Academy of	Poster	Interactive Effects of CO2 Fertilization and Nitrogen on Biomass and Elements Concentrations of Cucumber Seedlings
June 13(Fri)	15:30~16:20	P4-341	Soil Management Strategy for Enhancing Crop Yields	AF1347	Arief Hartono	Indonesia	Department of Soil Science and Land Resource, Faculty	Poster	THE EFFECT OF SILICATE TO THE RELEASING PATTERN OF NATIVE INORGANIC PHOSPHORUS OF ANDISOL LEMBANG WITH
June 13(Fri)	15:30~16:20	P4-342	Soil Management Strategy for Enhancing Crop Yields	AF1348	Yuhua Shan	China	Yangzhou university	Poster	Responses of soil physico-chemical properties, ryegrass growth and uptake of nutrients and heavy metals to dairy manure amendment in
June 13(Fri)	15:30~16:20	P4-343	Soil Management Strategy for Enhancing Crop Yields	AF1355	Patrick Hong Chuan Ng	Malaysia	Advanced Agriecological Research Sdn. Bhd.	Poster	Prevention of soil degradation for oil palm sustainability
June 13(Fri)	15:30~16:20	P4-344	Soil Management Strategy for Enhancing Crop Yields	AF1381	Muhammad Iqbal	Pakistan	University of Agriculture, Faisalabad	Poster	SOIL HEALTH INDICATORS MEASURE MULTIFUNCTIONAL BENEFITS OF FARM YARD MANURE APPLICATION
June 13(Fri)	15:30~16:20	P4-345	Soil Management Strategy for Enhancing Crop Yields	AF1392	Raghwendra Pratap Singh	India	Department of Agricultural Chemistry and Soil Science,	Poster	Effect of Cow Urine (Gomutra) as a Source of Nitrogen on Wheat (Triticum aestivum)
June 13(Fri)	15:30~16:20	P4-346	Soil Management Strategy for Enhancing Crop Yields	AF1393	Paul Bamubingirire	Uganda	save the Marginalized	Poster	soil and fertilizer
June 13(Fri)	15:30~16:20	P4-347	Soil Management Strategy for Enhancing Crop Yields	AF1469	Md. Shafiqul Bari	Bangladesh	Hajee Mohammad Danesh Science and Technology	Poster	IMPACT OF CROP LAND AGROFORESTRY ON SOIL PROPERTIES IN BANGLADESH
June 13(Fri)	15:30~16:20	P4-348	Soil Management Strategy for Enhancing Crop Yields	AF1480	Ahmed Boutmedjet	Algeria	Univerity of Laghouat, Algeria	Poster	The study of the cumulative effects of the application of urban sewage sludge on an eroded soil cultivated in the Algerian steppe
June 13(Fri)	15:30~16:20	P4-349	Soil Management Strategy for Enhancing Crop Yields	AF1490	Andrea Balla Kovacs	Hungary	University of Debrecen, Centre for Agricultural and	Poster	EFFECT OF FOOD WASTE COMPOST ON THE AVAILABLE NUTRIENT CONTENT OF SANDY SOIL AND NUTRIENT UPTAKE OF PLANT IN A
June 13(Fri)	15:30~16:20	P4-350	Soil Management Strategy for Enhancing Crop Yields	AF1506	Yusufujiang Yusuyin	Japan	The United Graduate School of Agriculture Science, Ehime	Poster	Effect of Frond Piling on Manganese Dynamics in the Soil at an Oil Palm Plantation
June 13(Fri)	15:30~16:20	P4-351	Soil Management Strategy for Enhancing Crop Yields	AF1516	Radhika Krishnan	India	Tamil Nadu Agricultural University	Poster	Soil N Retention and Recovery of fertilizer N by maize grown with Nutriseed pack by using 15N Tracer
June 13(Fri)	15:30~16:20	P4-352	Soil Management Strategy for Enhancing Crop Yields	AF1518	Hemalatha Swaminathan	India	Tamil Nadu Agricultural University	Poster	A novel method to optimize nitrogen requirements of drip fertigated sugarcane
June 13(Fri)	15:30~16:20	P4-353	Soil Management Strategy for Enhancing Crop Yields	AF1522	G. Ganapathi	India	University of Agricultural and Horticultural	Poster	Soil Fertility and Crop productivity in Organically Managed Field bean under rainfed Alfisols
June 13(Fri)	15:30~16:20	P4-354	Soil Management Strategy for Enhancing Crop Yields	AF1530	Ashok Basur	India	UAHS Shimoga	Poster	Sulphur Status of selected Soil Series of Karnataka and studies on direct and residual effect of graded levels of sulphur on crops
June 13(Fri)	15:30~16:20	P4-355	Soil Management Strategy for Enhancing Crop Yields	AF1534	Fugen Dou	USA	Texas Agrilife Research	Poster	Improving soil quality to increase yield and reduce diseases in organic rice production

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June 13(Fri)	15:30~16:20	P4-356	Soil Management Strategy for Enhancing Crop Yields	AF1606	Yao Sun	China	National Engineering Laboratory for Efficient	Poster	Influence of copper base foliar fertilizer and controlled release foliar fertilizer on yields, fruit quality, mineral nutrition and leaf antioxidant
June 13(Fri)	15:30~16:20	P4-357	Soil Management Strategy for Enhancing Crop Yields	AF1610	Jibiao Geng	China	Shandong Agricultural University of China	Poster	Effects on Plant Nutrient Uptake , Yield and Fertilizer Utilization Efficiency of Controlled Release Fertilizers in Cotton
June 13(Fri)	15:30~16:20	P4-358	Soil Management Strategy for Enhancing Crop Yields	AF1611	Wenxu Dong	China	Center for Agricultural Resources Research, Institute	Poster	Change in Farmland soil Fertility and Nutrient Management Strategy in the Semiarid Regions of North China
June 13(Fri)	15:30~16:20	P4-359	Soil Management Strategy for Enhancing Crop Yields	AF1614	Jifeng Shao	China	Institute Of Soil Science, Chinese Academy Of Science	Poster	Phosphorus aggravated aluminum toxicity in wheat: eliminate the direct interaction of Al-P precipitation in solution
June 13(Fri)	15:30~16:20	P4-360	Soil Management Strategy for Enhancing Crop Yields	AF1620	Chunsheng Hu	China	Chinese Academy of Sciences	Poster	Reducing nitrate leaching and improving nitrogen use efficiency for wheat corn double cropping systems in the North China Plain
June 13(Fri)	15:30~16:20	P4-361	Soil Management Strategy for Enhancing Crop Yields	AF1639	Yulin Zhang	Australia	The University of Adelaide	Poster	Development of the diffusive gradients in thin-films (DGT) technique to measure plant-available potassium in soils
June 13(Fri)	15:30~16:20	P4-362	Soil Management Strategy for Enhancing Crop Yields	AF1665	Raghupathi Matheyarasu	Australia	UniSA, CERAR, CRC-CARE	Poster	Influence of abattoir wastewater irrigation on soil fertility and root phenotypes of two different plant species.
June 13(Fri)	15:30~16:20	P4-363	Soil Management Strategy for Enhancing Crop Yields	AF1700	Shamsa Kanwal	Pakistan	University of Agriculture, Faisalabad	Poster	Foliar Application of Potassium Mitigates Negative Impact of Water Deficit Stress and Improves Physiological Growth of Mungbean
June 13(Fri)	15:30~16:20	P4-364	Soil Management Strategy for Enhancing Crop Yields	AF1717	Ida Kincses	Hungary	University of Debrecen, Centre for Agricultural and	Poster	Changes in soil nutrient supplying capacity of organic and conventional cultivation
June 13(Fri)	15:30~16:20	P4-365	Soil Management Strategy for Enhancing Crop Yields	AF1728	Arunsiri Kumlung	Thailand	Kasetsart University	Poster	Assessment on the Effects of Nutrient Management Practices on Some Chemical Soil Properties and Macro Nutrient Status under 3
June 13(Fri)	15:30~16:20	P4-366	Soil Management Strategy for Enhancing Crop Yields	AF1736	Wantai Yu	China	Institute of Applied Ecology, Chinese Academy of	Poster	Yield increase efficiency caused by recycled nutrients and the contribution of fertilization development to yield production and
June 13(Fri)	15:30~16:20	P4-367	Soil Management Strategy for Enhancing Crop Yields	AF1748	Airene Claire Baradas	Philippines	University of the Philippines Los Banos	Poster	FATE OF NITROGEN FROM ORGANIC AND INORGANIC FERTILIZERS IN IRRIGATED LOWLAND AND UPLAND RICE ECOSYSTEMS
June 13(Fri)	15:30~16:20	P4-368	Soil Management Strategy for Enhancing Crop Yields	AF1784	Nicola Louise Timbas	Philippines	University of the Philippines-Los Banos	Poster	Effects of Lanthanum and Cerium on Root and Shoot Growth of Cucumber (Cucumis sativus)
June 13(Fri)	15:30~16:20	P4-369	Soil Management Strategy for Enhancing Crop Yields	AF1794	S.praveena Katharine	India	Tamilnadu Agricultural university	Poster	SOIL TEST CROP RESPONSE CORRELATION STUDIES UNDER INTEGRATED PLANT NUTRITION SYSTEM FOR COTTON THROUGH
June 13(Fri)	15:30~16:20	P4-370	Soil Management Strategy for Enhancing Crop Yields	AF1796	Noordin Daud	Malaysia	Universiti Putra Malaysia	Poster	Influence of Different Soil Texture on Growth and Nutritional Status of Three New Latex Timber Clones of Natural Rubber (Hevea
June 13(Fri)	15:30~16:20	P4-371	Soil Management Strategy for Enhancing Crop Yields	AF1832	Amarendra Singh	India	Nagaland University	Poster	Evaluation of nitrogen availability indices and their relationship with plant response on acidic soils of India
June 13(Fri)	15:30~16:20	P4-372	Soil Management Strategy for Enhancing Crop Yields	AF1834	Fariba Mokhtari	Australia	Murdoch university	Poster	Effect of Subsoil Clay and Biochar on Leaching and Availability of Phosphorus in Sands
June 13(Fri)	15:30~16:20	P4-373	Soil Management Strategy for Enhancing Crop Yields	AF1839	Shafar Jefri Mokhtar	Malaysia	Universiti Putra Malaysia	Poster	Effect of Different Compound Fertilizer Rates on Hevea brasiliensis Grown on an Oxisol: Nursery Trial
June 13(Fri)	15:30~16:20	P4-374	Soil Management Strategy for Enhancing Crop Yields	AF1865	Imre Dr. Vago	Hungary	University of Debrecen, Faculty of Agricultural and	Poster	Effects of genotypes, nutrient- and water-supply on the dry matter production and potassium uptake dynamics of maize (Zea mays L.)
June 13(Fri)	15:30~16:20	P4-375	Soil Management Strategy for Enhancing Crop Yields	AF1915	Gerard Jitareanu	Romania	University of Agricultural Sciences and Veterinary	Poster	EVOLUTION OF SOIL FERTILITY UNDER INFLUENCE OF SOIL EROSION AND DIFFERENT CROPPING SYSTEMS IN NORTH-EASTERN
June 13(Fri)	15:30~16:20	P4-376	Soil Management Strategy for Enhancing Crop Yields	AF1952	Attila Nemes	Norway	Bioforsk	Poster	Evaluation of the Aquacrop model to simulate rice growth under different water regimes in Bangladesh
June 13(Fri)	15:30~16:20	P4-377	Soil Management Strategy for Enhancing Crop Yields	AF1954	Anika Marxen	Germany	Helmholtz Centre for Environmental Research	Poster	Factors determining silicon uptake by rice in Southeast-Asian paddy soils
June 13(Fri)	15:30~16:20	P4-378	Soil Management Strategy for Enhancing Crop Yields	AF1958	Marsel Tagirov	Russia	Tatar Agriculture Research Institute	Poster	ADAPTIVE ENVIRONMENTALLY FRIENDLY GRAIN PRODUCTION TECHNOLOGY AND REPRODUCTION OF SOIL FERTILITY
June 13(Fri)	15:30~16:20	P4-379	Soil Management Strategy for Enhancing Crop Yields	AF1973	Aizpurua Ana	Spain	NEIKER	Poster	Repeated application of organic fertilizers on winter wheat in a humid Mediterranean climate zone

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June 13(Fri)	15:30~16:20	P4-380	Soil Management Strategy for Enhancing Crop Yields	AF1988	Lincoln Zotarelli	USA	University of Florida	Poster	Strategies to Increase N-fertilizer Use efficiency for Potatoes under Subsurface Irrigation
June 13(Fri)	15:30~16:20	P4-381	Soil Management Strategy for Enhancing Crop Yields	AF2007	Hrusikesh Patro	India	Orissa University of Agriculture and Technology	Poster	Photosynthesis and Morphological Responses of Rice Cultivars to Seedling Moisture Deficit
June 13(Fri)	15:30~16:20	P4-382	Soil Management Strategy for Enhancing Crop Yields	AF2027	Raza Khan	Pakistan	Pakistan Agricultural Research council, Massey	Poster	Response of Pinus radiata to slow release Boron fertiliser, ulexite
June 13(Fri)	15:30~16:20	P4-383	Soil Management Strategy for Enhancing Crop Yields	AF2038	Noura Ziadi	Canada	Soils and Crops Research and Development Centre,	Poster	Phosphorus budget as a tool to monitor soil P changes under grassland production
June 13(Fri)	15:30~16:20	P4-384	Soil Management Strategy for Enhancing Crop Yields	AF2048	Mohammad Mehdi Tehrani	Iran	Soil and Water Research Institute	Poster	Sidedress Application of Nitrogen in Wheat Using Chlorophyll Meter
June 13(Fri)	15:30~16:20	P4-385	Soil Management Strategy for Enhancing Crop Yields	AF2199	Risma Neswati	Indonesia	Dept. Of Soil Science Hasanuddin University	Poster	A PROPOSED LAND SUITABILITY INDEX FOR ASSESSMENT OF MAIZE PRODUCTION IN THE HUMID TROPICS
June 13(Fri)	15:30~16:20	P4-386	Soil Management Strategy for Enhancing Crop Yields	AF2220	Alex Seguel	Chile	Universidad de La Frontera	Poster	Role of mycorrhizal symbiosis in the aluminum - phosphorus interaction in Al tolerant wheat cultivars growing in acid soils
June 13(Fri)	15:30~16:20	P4-387	Soil Management Strategy for Enhancing Crop Yields	AF2248	Alan Schlegel	USA	Kansas State University	Poster	Fifty years of nitrogen and phosphorus fertilization on soil properties and production of irrigated continuous corn in the USA
June 13(Fri)	15:30~16:20	P4-388	Soil Management Strategy for Enhancing Crop Yields	AF2262	Regan Crooks	Australia	Agripower	Poster	An Investigation into the release dynamics from different Si sources
June 13(Fri)	15:30~16:20	P4-389	Soil Management Strategy for Enhancing Crop Yields	AF2269	Cristian Merino-Gergichevich	Chile	Universidad de La Frontera	Poster	ROLE OF BORON ON PHYSIOLOGICAL FEATURES IN HIGHBUSH BLUEBERRY GROWN IN ACID CONDITIONS
June 13(Fri)	15:30~16:20	P4-390	Soil Management Strategy for Enhancing Crop Yields	AF2301	Md. Monirul Islam	Bangladesh	Bangladesh Agricultural Research Institute	Poster	INTEGRATED NUTRIENT MANAGEMENT FOR YIELD AND STORABILITY OF SWEET POTATO
June 13(Fri)	15:30~16:20	P4-391	Soil Management Strategy for Enhancing Crop Yields	AF2312	Jianbo Shen	China	China Agricultural University	Poster	Manipulating root-soil zone processes by localized nutrient supply to improve nutrient use efficiency and grain yield in maize cropping
June 13(Fri)	15:30~16:20	P4-392	Soil Management Strategy for Enhancing Crop Yields	AF2329	Muhammad Kamran	Pakistan	University of Agriculture Faisalabad pakistan	Poster	Evaluating the growth promotory effect of plant water extracts on maize
June 13(Fri)	15:30~16:20	P4-393	Soil Management Strategy for Enhancing Crop Yields	AF2331	Sibusisiwe Caroline Kamanga	Malawi	Civil Society Agriculture Network	Poster	EFFECT OF MAVUNO AND MANURE FERTILIZER APPLIED SINGLY OR IN COMBINATION ON SOIL PROPERTIES, STRIGA WEED DENSITY
June 13(Fri)	15:30~16:20	P4-394	Soil Management Strategy for Enhancing Crop Yields	AF2367	Joel Meliyo	Tanzania	Mlingano Agricultural Research Institute	Poster	Variability of soil organic carbon with landforms and land use in the Usambra Mountains of Tanzania
June 13(Fri)	15:30~16:20	P4-395	Soil Management Strategy for Enhancing Crop Yields	AF2376	Jiaping Yan	China	Anhui university of science and technology	Poster	Study on Soil Nutrient Loss and Distribution Characteristics in Coal Mining Subsidence Area
June 13(Fri)	15:30~16:20	P4-396	Soil Management Strategy for Enhancing Crop Yields	AF2378	Junichi Kashiwagi	Japan	Hokkaido University	Poster	Temporal changes in soil fertility and the attempt to maintain the land productivity under slash-and-burn cultivation in the northern
June 13(Fri)	15:30~16:20	P4-397	Soil Management Strategy for Enhancing Crop Yields	AF2405	Fe Perlas	Philippines	Central Bicol State University of Agriculture	Poster	Nutrient Management Strategies for Crops Grown in Problem Soils
June 13(Fri)	15:30~16:20	P4-398	Soil Management Strategy for Enhancing Crop Yields	AF2411	Cynthia Paiva Navarrete	Peru	National Agrarian University	Poster	Effect of the application of biosolid and vermicompost in the recovery of a saline soil
June 13(Fri)	15:30~16:20	P4-399	Soil Management Strategy for Enhancing Crop Yields	AF2425	Babak Motesharezade	Iran	University of Tehran	Poster	The effect of salinity stress, potassium, and zinc on the nutritional responses of wheat
June 13(Fri)	15:30~16:20	P4-400	Soil Management Strategy for Enhancing Crop Yields	AF2454	Srinivasamurthy C.a	India	UAS, GKVK, Bangalore, Karnataka state	Poster	Effect of different approaches of nutrient application and management practices on yield of maize (Zea mays L.) and finger
June 13(Fri)	15:30~16:20	P4-401	Soil Management Strategy for Enhancing Crop Yields	AF2480	Ting Chuan Siaw	Malaysia	Graduate School of University Putra Malaysia	Poster	Effects of Nitrogen Fertilization on Soil Nutrients, Leaf Nutrient Composition, Growth and Yield of Oil Palm on Tropical Peat
June 13(Fri)	15:30~16:20	P4-402	Soil Management Strategy for Enhancing Crop Yields	AF2486	Shahid Iqbal	Pakistan	University of Agriculture Faisalabad	Poster	Optimization of Nitrogen level in field grown Quinoa
June 13(Fri)	15:30~16:20	P4-403	Soil Management Strategy for Enhancing Crop Yields	AF2506	Mahmud Hossain Sumon	Bangladesh	Bangladesh Agricultural University	Poster	INCREASING NITROGEN USE EFFICIENCY IN RICE THROUGH NITROGEN AND WATER MANAGEMENT

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June 13(Fri)	15:30~16:20	P4-404	Soil Management Strategy for Enhancing Crop Yields	AF2530	Audthasit Wongmaneeroj	Thailand	kasetsart university	Poster	Nitrogen mineralization and utilization of silkworm litter as organic fertilizer on growth and yield of Pak Choi ( <i>Brasica rapa var chinensis</i> )
June 13(Fri)	15:30~16:20	P4-405	Soil Management Strategy for Enhancing Crop Yields	AF2532	Ali Jamil	Indonesia	INDONESIAN AGENCY FOR AGRICULTURAL RESEARCH	Poster	Modelling of nutrient management for increasing and maintaining irrigated lowland rice productivity in West Java Province Indonesia
June 13(Fri)	15:30~16:20	P4-406	Soil Management Strategy for Enhancing Crop Yields	AF2544	Adha Fatmah Siregar	Japan	Shimane University	Poster	Effect of Silica Application on Improving Rice Resistance to Blast Disease and Growth in West Java, Indonesia
June 13(Fri)	15:30~16:20	P4-407	Soil Management Strategy for Enhancing Crop Yields	AF2555	Olufemi Ayanfeoluwa	Nigeria	Federal College of Agriculture, Moor Plantation,	Poster	EVALUATION OF THE POTENTIAL OF AN ACCELERATED COMPOST AS A FERTILIZER FOR MAIZE PRODUCTION ON AN ULTISOL
June 13(Fri)	15:30~16:20	P4-408	Soil Management Strategy for Enhancing Crop Yields	AF2558	Srinivasamurthy C.a	India	UAS, GKVK, Banglore, Karnataka state	Poster	System based nutrient management for maize-groundnut and maize-sunflower sequences in eastern dry zone of Karnataka
June 13(Fri)	15:30~16:20	P4-409	Soil Management Strategy for Enhancing Crop Yields	AF2567	Minh Vien Duong	Viet Nam	Cantho University	Poster	BIO-COMPOSTING FROM RESIDUAL WASTE: A SUCCESS IN SOIL PROPERTIES AND SOIL-BORNE PLANT PATHOGENS CONTROL
June 13(Fri)	15:30~16:20	P4-410	Soil Management Strategy for Enhancing Crop Yields	AF2568	Denis Topa	Romania	University of Agricultural Sciences and Veterinary	Poster	Long-term tillage systems impacts on soil physical properties and agronomic productivity of a Romanian Cambic Chernozem
June 13(Fri)	15:30~16:20	P4-411	Soil Management Strategy for Enhancing Crop Yields	AF2604	Z Ye	China	Zhejiang A&F University	Poster	Long-Term Effect of Application of Edible Fungus Residue on Soil Physicochemical Properties under Rice - Edible Fungus Rotation
June 13(Fri)	15:30~16:20	P4-412	Soil Management Strategy for Enhancing Crop Yields	AF2610	Milton Moraes	Brazil	Federal University of Mato Grosso	Poster	Nitrogen nutrition and intensity of thinning in peach production
June 13(Fri)	15:30~16:20	P4-413	Soil Management Strategy for Enhancing Crop Yields	AF2621	Amadou Hamadou Babana	Mali	University of Sciences, Techniques and Technology	Poster	A microbiological system to improve soil fertility and maize plants P-uptake in field conditions in Mali
June 13(Fri)	15:30~16:20	P4-414	Soil Management Strategy for Enhancing Crop Yields	AF2631	Reinaldo Cantarutti	Brazil	Federal University of Vicosa	Poster	Black Urea, a fertilizer with lower ammonia volatilization
June 13(Fri)	15:30~16:20	P4-415	Soil Management Strategy for Enhancing Crop Yields	AF2649	Kalvakuntla Jeevanrao	India	ANGRAgricultural university	Poster	Evaluation of Integrated use of Poultry Manure,Sewage Sludge,FYM with Chemical Fertilizers in Maize( <i>Zea mays</i> )-Chilli( <i>Capsicum annum</i> )
June 13(Fri)	15:30~16:20	P4-416	Soil Management Strategy for Enhancing Crop Yields	AF2686	Mingshou Fan	China	Inner mongolia agricultural university	Poster	Potato Tuber Formation as Affected by soil Mineral Nitrogen
June 13(Fri)	15:30~16:20	P4-417	Soil Management Strategy for Enhancing Crop Yields	AF2688	Ah Hong Lim	Malaysia	MARDI	Poster	Evaluation of urea-N based compound fertilizer on cucumber grown on clay soil
June 13(Fri)	15:30~16:20	P4-418	Soil Management Strategy for Enhancing Crop Yields	AF2689	Xue-Feng Hu	China	Shanghai University	Poster	Effects of leguminous intercropping on tomato yield, soil nutrients and enzyme activities
June 13(Fri)	15:30~16:20	P4-419	Soil Management Strategy for Enhancing Crop Yields	AF2754	Nazira Asbar	Malaysia	UNIVERSITI PUTRA MALAYSIA	Poster	Co-application of EFB Compost and Red Gypsum to heavy Clay Acidic Soil
June 13(Fri)	15:30~16:20	P4-420	Soil Management Strategy for Enhancing Crop Yields	AF2803	Tan Choon Chek	Malaysia	Felda Agricultural Services Sdn Bhd	Poster	EVALUATION OF THE EFFECIENCY OF VARIOUS NITROGEN (N) SOURCES FERTILIZER ON OIL PALM SEEDLINGS GROWTH AT THREE
June 13(Fri)	15:30~16:20	P4-421	Soil Management Strategy for Enhancing Crop Yields	AF2806	M Jahiruddin	Bangladesh	Bangladesh Agricultural University	Poster	Integrated use of fertilizer with manure on mustard, potato and wheat and their residual effects on succeeding crops
June 13(Fri)	15:30~16:20	P4-422	Soil Management Strategy for Enhancing Crop Yields	AF2807	Sukunya Yampracha	Thailand	King Mongkut's Institute of Technology Ladkrabang	Poster	Effects of Phosphorus Fertilizer Rates on Changes of Soil Phosphorus Fractions in Cassava Growing Soils of Thailand
June 13(Fri)	15:30~16:20	P4-423	Soil Management Strategy for Enhancing Crop Yields	AF2811	Pintu Sur	India	Pulses and Oilseeds Research Station, Berhampore -	Poster	A Multivariate Approach to Study the Effect of Integrated Nutrient Management on the Maintenance of Soil Fertility and Soil Health in
June 13(Fri)	15:30~16:20	P4-424	Soil Management Strategy for Enhancing Crop Yields	AF2812	Saengdao Khaokaew	Thailand	Kasetsart University	Poster	Capacity of Humic Acids Extracted at the Large Scale from Mae Moh Leonardite to be Used as Soil Amendments Based on Their Chemical
June 13(Fri)	15:30~16:20	P4-425	Soil Management Strategy for Enhancing Crop Yields	AF2819	Maria Alexandra Cucu	Italy	University of Turin	Poster	Biotic and abiotic processes affecting nitrogen immobilisation in submerged paddy soils
June 13(Fri)	15:30~16:20	P4-426	Soil Management Strategy for Enhancing Crop Yields	AF2820	Debarati Bhaduri	India	Directorate of Groundnut Research (ICAR), Junagadh,	Poster	SOIL QUALITY IN CONTINUING RICE-WHEAT CROPPING SYSTEM IN INDIA: IMPACT OF COMBINED TILLAGE, WATER AND NUTRIENT
June 13(Fri)	15:30~16:20	P4-427	Soil Management Strategy for Enhancing Crop Yields	AF2853	Sudarshan Dutta	India	International Plant Nutrition Institute	Poster	Nitrogen fertilization response of improved potato ( <i>Solanum tuberosum</i> L.) cultivars

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June 13(Fri)	15:30~16:20	P4-428	Soil Management Strategy for Enhancing Crop Yields	AF2870	Peter Akintoye Babajide	Nigeria	Dept. of Crop Production and Soil Science, Ladoko	Poster	CATALYTIC AND FERTILIZING POTENTIALS OF BLOOD-MEAL AS APPLICABLE TO ACCELERATED COMPOST MATURITY / QUALITY AND
June 13(Fri)	15:30~16:20	P4-429	Soil Management Strategy for Enhancing Crop Yields	AF2884	Vincent Aduramigba-Modupe	Nigeria	Institute of Agricultural Research and Training	Poster	Yield sustainability and Phosphorus utilization in sole soybean cropping on alfisols in response to interactive effects of fertilizer
June 13(Fri)	15:30~16:20	P4-430	Soil Management Strategy for Enhancing Crop Yields	AF2886	Eunice Akinpelu	Nigeria	National Horticultural Research Institute Idi - Ishin	Poster	TOMATO VARIETAL RESPONSES AS INFLUENCED BY GLOMUS MOSSAE UNDER SCREENHOUSE AND FIELD CONDITIONS
June 13(Fri)	15:30~16:20	P4-431	Soil Management Strategy for Enhancing Crop Yields	AF2890	Nooraldean Muhawish	Iraq	Univ. of Tikrit	Poster	PHOSPHATE ROCK AS AN ALTERNATIVE FERTILIZER FOR ORGANIC FARMING OF WHEAT IN GYPSIFEROUS SOILS
June 13(Fri)	15:30~16:20	P4-432	Soil Management Strategy for Enhancing Crop Yields	AF2893	Vincent Aduramigba-Modupe	Nigeria	Institute of Agricultural Research and Training	Poster	Yield and P use efficiency of five rice genotypes under two P model calculated rates in the moist savanna of South West Nigeria
June 13(Fri)	15:30~16:20	P4-433	Soil Management Strategy for Enhancing Crop Yields	AF2899	Vincent Aduramigba-Modupe	Nigeria	Institute of Agricultural Research and Training	Poster	Tillage and fertilizer effects in sole maize (Zea mays L.) cropping in a degraded Nigerian Alfisol
June 13(Fri)	15:30~16:20	P4-434	Soil Management Strategy for Enhancing Crop Yields	AF2902	Robert Norris	USA	Virginia Polytechnic Institute and State University	Poster	Hairy vetch influence on soil nitrogen and maize grain yield in the mid-Atlantic United States
June 13(Fri)	15:30~16:20	P4-435	Soil Management Strategy for Enhancing Crop Yields	AF2913	Ivana Fonseca	Brazil	Embrapa Cocais	Poster	Sugarcane yield as a function of nitrogen and silicon fertilization
June 13(Fri)	15:30~16:20	P4-436	Soil Management Strategy for Enhancing Crop Yields	AF2915	Carlos Ceretta	Brazil	Federal University of Santa Maria	Poster	AVAILABLE, SURFACE RUNOFF AND LEACHING OF FORMS OF PHOSPHORUS IN SOIL WITH ADDITION OF ORGANIC AND MINERAL
June 13(Fri)	15:30~16:20	P4-437	Soil Management Strategy for Enhancing Crop Yields	AF2929	Claudia Ximena Jaramillo Gonzalez	Colombia	politechnic university of valencia, spain	Poster	Nitrogen net mineralization of cauliflower crop residues after incorporation to the soil
June 13(Fri)	15:30~16:20	P4-438	Soil Management Strategy for Enhancing Crop Yields	AF2930	Claudia Ximena Jaramillo Gonzalez	Colombia	politechnic university of valencia, spain	Poster	Sensitivity analysis for calibration of two simulation models of the soil nitrogen dynamics in a cauliflower crop
June 13(Fri)	15:30~16:20	P4-439	Soil Management Strategy for Enhancing Crop Yields	AF2951	Chuleemas Boonthai Iwai	Thailand	Khon Kaen University	Poster	Influence of vermicompost on soil physical properties and soil microbial activity in cassava field
June 13(Fri)	15:30~16:20	P4-440	Soil Management Strategy for Enhancing Crop Yields	AF2953	Kalvakuntla Jeevanrao	India	ANGRAgricultural university	Poster	Effect of Sewage Sludge and Poultry Manure on Biomass Yield of Palak (Beta vulgaris L. Var. bengalensis) and Heavy Metal Availability
June 13(Fri)	15:30~16:20	P4-441	Soil Management Strategy for Enhancing Crop Yields	AF2956	Jose Cora	Brazil	Sao Paulo State University	Poster	Impact of crop residues decomposition on soil organic matter in an Oxisol under no-till
June 13(Fri)	15:30~16:20	P4-442	Soil Management Strategy for Enhancing Crop Yields	AF2959	Segundo Urquiaga	Brazil	Embrapa Agrobiologia	Poster	Production and biomass quality of different elephant grass genotypes grown in an Ultisol for alternative energy use
June 13(Fri)	15:30~16:20	P4-443	Soil Management Strategy for Enhancing Crop Yields	AF2980	E Shengzhe	China	Institute of Soil and Fertilizer and Save water Agricultural,	Poster	Responses of wheat yield and soil fertility to long-term application of farmyard manure and chemical fertilizers in semiarid region of
June 13(Fri)	15:30~16:20	P4-444	Soil Management Strategy for Enhancing Crop Yields	AF3045	Takashi Muraoka	Brazil	CENA-USP ( Center for Nuclear Energy in Agriculture	Poster	Immediate and Residual Effect of Nitrogen from Green Manures and Urea for Rice and Corn Grown in Rotation in Cerrado (Savannah)
June 13(Fri)	15:30~16:20	P4-445	Soil Management Strategy for Enhancing Crop Yields	AF3051	Santhi Rangasamy	India	Tamil Nadu Agricultural University	Poster	Targeted Yield Model as a Tool for Fertiliser Best Management Practice in a Maize Based Cropping Sequence of Tamil Nadu,
June 13(Fri)	15:30~16:20	P4-446	Soil Management Strategy for Enhancing Crop Yields	AF3054	Priyanga Dissanayake	Sri Lanka	Department of Agriculture	Poster	Effect of Animal Manure with and without Chemical Fertilizer on Dragon Fruit (Hylocereus undatus (Haw.) Britton & Rose) Cultivation
June 13(Fri)	15:30~16:20	P4-447	Soil Management Strategy for Enhancing Crop Yields	AF3063	Valdinei Paulino	Brazil	Instituto de Zootecnia	Poster	Electrical conductivity, pH and potential acidity in soils fertilized with poultry litter compost
June 13(Fri)	15:30~16:20	P4-448	Soil Management Strategy for Enhancing Crop Yields	AF3093	Mohieyeddin Abdelazeim	Egypt	Minia University - Egypt	Poster	COMBINED EFFECT OF ORGANIC AND CHEMICAL NITROGEN FERTILIZERS ON GROWTH AND NITRATE ACCUMULATION IN
June 13(Fri)	15:30~16:20	P4-449	Soil Management Strategy for Enhancing Crop Yields	AF3104	Peter Tamas Nagy	Hungary	Robert Karoly University College	Poster	Enhance of nutrient supply of soil by groundcovering in a Hungarian peach orchard
June 13(Fri)	15:30~16:20	P4-450	Soil Management Strategy for Enhancing Crop Yields	AF3109	Andrea Balla Kovacs	Hungary	University of Debrecen, Centre for Agricultural and	Poster	Enhance of nutrient supply of soil by groundcovering in a Hungarian peach orchard
June 13(Fri)	15:30~16:20	P4-451	Soil Management Strategy for Enhancing Crop Yields	AF3151	Dr. Md Mahbul Alam Tarafder	Bangladesh	Bangladesh Institute of Nuclear Agriculture	Poster	Effects of integrated nutrient management and irrigation practice on the productivity of crops and soil health.

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June 13(Fri)	15:30~16:20	P4-452	Soil Management Strategy for Enhancing Crop Yields	AF3225	Ngwu O.e.	Nigeria	Enugu State University of Science and technology	Poster	EFFECT OF ORGANIC AND INORGANIC FERTILIZERS ON THE GROWTH AND YIELD OF PHYSIC NUT ( <i>Jatropha curcas</i> )
June 13(Fri)	15:30~16:20	P4-453	Soil Management Strategy for Enhancing Crop Yields	AF3228	Md. Bhuiyan	Bangladesh	BARI	Poster	EFFECT OF BIOFERTILIZER, VERMICOMPOST AND CHEMICAL FERTILIZERS ON BUSHBEAN
June 13(Fri)	15:30~16:20	P4-454	Soil Management Strategy for Enhancing Crop Yields	AF3229	Md. Bhuiyan	Bangladesh	BARI	Poster	EFFECT OF BIOFERTILIZER, VERMICOMPOST AND CHEMICAL FERTILIZERS ON GARDENPEA
June 13(Fri)	15:30~16:20	P4-455	Soil Management Strategy for Enhancing Crop Yields	AF3234	Carolin Cordova	Chile	Universidad de Concepcion	Poster	The forgotten soil sulphur in Chilean soils: a more efficient diagnosis of soil sulphate
June 13(Fri)	15:30~16:20	P4-456	Soil Management Strategy for Enhancing Crop Yields	AF3263	Majid Afyuni	Iran	Isfahan University of Technology	Poster	Effect of Crop Residues on Soil Zinc Bioavailability and Grain Zinc Content in Wheat
June 13(Fri)	15:30~16:20	P4-457	Soil Management Strategy for Enhancing Crop Yields	AF3275	Chen Shuo	China	China Agricultural University	Poster	Potassium balance and soil exchangeable potassium accumulation in the intensive vegetable fields of China
June 13(Fri)	15:30~16:20	P4-458	Soil Management Strategy for Enhancing Crop Yields	AF3316	Dantata Ishaku James	Nigeria	INSTITUTION	Poster	Effect of Camel-Horse Dung and Crop Variety on the Productivity of Cucumber in a Semi-Arid Land of Nigeria
June 13(Fri)	15:30~16:20	P4-459	Soil Management Strategy for Enhancing Crop Yields	AK0755	Chang Hyu Yang	Korea	National Institute of Crop Science	Poster	Effects of Rice Straw Application and Tillage Method on Rice Quality and Yield in Plain Paddy Field
June 13(Fri)	15:30~16:20	P4-460	Soil Management Strategy for Enhancing Crop Yields	AK0923	Tae-Jin Won	Korea	Gyeonggi-Do Agriculture Research & Extension	Poster	Optimum application rates of oil cake, rice bran and rice straw for effective soil management in Korea Lettuce field
June 13(Fri)	15:30~16:20	P4-461	Soil Management Strategy for Enhancing Crop Yields	AK0943	Young Jin Seo	Korea	Bonghwa Medicinal plant Experiment Station,	Poster	Relationship fertilization with growth of fruit and accumulation of anthocyanin in <i>Schizandrae</i> Chinese Baillon
June 13(Fri)	15:30~16:20	P4-462	Soil Management Strategy for Enhancing Crop Yields	AK0956	Jwakyung Sung	Korea	Division of Soil and Fertilizer Management, NAAS, RDA	Poster	Effects of root zone temperature on nutrient uptake and photoassimilates accumulation of tomato plants
June 13(Fri)	15:30~16:20	P4-463	Soil Management Strategy for Enhancing Crop Yields	AK1016	Seong Soo Kang	Korea	National Academy of Agricultural Science	Poster	Status and Change in Soil Chemical Properties of Upland in Korea from 2001 to 2013
June 13(Fri)	15:30~16:20	P4-464	Soil Management Strategy for Enhancing Crop Yields	AK1369	Yejin Lee	Korea	National Academy of Agricultural Science, RDA	Poster	Nutrient Surpluses with Input Sources in Pig-Concentrated and Cattle-Concentrated County in Korea
June 13(Fri)	15:30~16:20	P4-465	Soil Management Strategy for Enhancing Crop Yields	AK1371	Hong Bae Yun	Korea	National academy of agriculture science, RDA	Poster	Change in Chemical Fertilizer Consumptions and Livestock Manure Production Rates from 1990 to 2011 in Korea
June 13(Fri)	15:30~16:20	P4-466	Soil Management Strategy for Enhancing Crop Yields	AK2298	Youngho Seo	Korea	Gangwon-do Agricultural Research & Extension	Poster	Effect of Salicylic Acid Treatment on Soil Moisture Shortage Stress of Waxy Corn ( <i>Zea mays</i> L.)
June 13(Fri)	15:30~16:20	P4-467	Soil Management Strategy for Enhancing Crop Yields	AK2328	Byoung Choon Jang	Korea	KOPIA Sri Lanka Center	Poster	Testing of Different Fertilizer Practice on Carrot in Up Country Intermediate Zone (UCIZ) Sri Lanka
June 13(Fri)	15:30~16:20	P4-468	Soil Management Strategy for Enhancing Crop Yields	AK2580	Hyeoun-Suk Cho	Korea	National Institute of Crop Science	Poster	Yield of Green Manure and Nitrogen of Cornflower( <i>Centaurea cyanus</i> L.) in Different Upland Soils
June 13(Fri)	15:30~16:20	P4-469	Soil Management Strategy for Enhancing Crop Yields	AK3016	Hyunjoon Cho	Korea	Division of Soil and Fertilizer, National Academy of	Poster	Standards of Proper Fertilizer Application for Double Cropping (Rape+Rice) in Paddy Fields
June 13(Fri)	15:30~16:20	P4-470	Soil Management Strategy for Enhancing Crop Yields	AK3018	Yeon-Kyu Sonn	Korea	NAAS	Poster	Characterization of Chemical Properties from Anthropogenic Paddy Fields in Korea
June 13(Fri)	15:30~16:20	P4-471	Soil Management Strategy for Enhancing Crop Yields	AK3049	Seong Eun Lee	Korea	National Institute of Horticultural & Herbal	Poster	Different management techniques in rye and hairy vetch for maximizing green manure production in orchard
June 13(Fri)	15:30~16:20	P4-472	Soil Management Strategy for Enhancing Crop Yields	AK3056	Seung Chul Choi	Korea	Gangwondo Agricultural Research & Extension	Poster	Monitoring on chemical properties change of arable soils in Gangwon province, Korea
June 13(Fri)	15:30~16:20	P4-473	Soil Management Strategy for Enhancing Crop Yields	AK3074	Byung-Koo Ahn	Korea	Jeollabuk-Do Agricultural Research and Extension	Poster	Different Application Intervals of Granular Organic Fertilizer for Improving Rice Productivity and Quality
June 13(Fri)	15:30~16:20	P4-474	Soil Management Strategy for Enhancing Crop Yields	AK3075	Jin-Ho Lee	Korea	Chonbuk National University	Poster	Impacts of Green Manure Crop Applications on Soil Properties and Ginger Grown in Continuous Cropping System
June 13(Fri)	15:30~16:20	P4-475	Soil Management Strategy for Enhancing Crop Yields	AK3076	Jin-Ho Lee	Korea	Chonbuk National University	Poster	Influences of Charcoal and Biochar Applications on Soil Chemical Properties and Ginger Growth in Short-Term Cultivation

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June 13(Fri)	15:30~16:20	P4-476	Soil Management Strategy for Enhancing Crop Yields	AK3077	Byung-Koo Ahn	Korea	Jeollabuk-Do Agricultural Research and Extension	Poster	Effects of Phosphate-Solubilizing Bacteria Applications on Pepper Growth
June 13(Fri)	15:30~16:20	P4-477	Soil Management Strategy for Enhancing Crop Yields	AK3078	Byung-Koo Ahn	Korea	Jeollabuk-Do Agricultural Research and Extension	Poster	Influences of Side-dressing N and K Application Intervals on Red Pepper Productivity and Soil Properties in Plastic Film House
June 13(Fri)	15:30~16:20	P4-478	Soil Management Strategy for Enhancing Crop Yields	AK3121	Kwang Seop Kim	Korea	National Institute of Crop Science, RDA	Poster	The effect of different nutrient sources on soil properties and corn yield at newly reclaimed land
June 13(Fri)	15:30~16:20	P4-479	Soil Management Strategy for Enhancing Crop Yields	AK3122	Jun Hong Park	Korea	GyeongSangBuk-Do Agriculture Reserch and	Poster	Effects of Mixed Treatment with Urea Fertilizer and Zeolite on Growth of Hot Pepper(Capsicum annuum)
June 13(Fri)	15:30~16:20	P4-480	Soil Management Strategy for Enhancing Crop Yields	AK3131	Suyeon Lee	Korea	Division of Soil and Fertilizer, NAAS, RDA	Poster	Metabolite Profiling of Potassium Deficiency in Tomato
June 13(Fri)	15:30~16:20	P4-481	Soil Management Strategy for Enhancing Crop Yields	AK3132	Hyejin Yun	Korea	Division of Soil and Fertilizer	Poster	Metabolite Profiling of Phosphorus Nutrient Deficiency in Tomato
June 13(Fri)	15:30~16:20	P4-482	Soil Management Strategy for Enhancing Crop Yields	AK3135	Jae-Eun Jang	Korea	Gyeonggi-do Agricultural Research & Extension	Poster	Effects of Fresh Cattle Manure on Yield and Feed Value of Forage Crop in Hwaong Reclaimed Land
June 13(Fri)	15:30~16:20	P4-483	Soil Management Strategy for Enhancing Crop Yields	AK3141	Jinhee Ryu	Korea	National Institute of Crop Science, RDA	Poster	Effect of Application of Oil Cake on Rice Yield in Hairy vetch-Rice Cropping System
June 13(Fri)	15:30~16:20	P4-484	Soil Management Strategy for Enhancing Crop Yields	AK3147	Tae Wan Kim	Korea	Institute of Ecological Phytochemistry, Department	Poster	Developing a soil quality index to assess soil fitness in onion cultivated upland
June 13(Fri)	15:30~16:20	P4-485	Soil Management Strategy for Enhancing Crop Yields	AK3153	Seok-Beom Kang	Korea	Rural Development Administration	Poster	Deep Planting and Excess Soil Cover on Rootstock Promote Scion Root Outbreak in 'Shiranuhi' Mandarin
June 13(Fri)	15:30~16:20	P4-486	Soil Management Strategy for Enhancing Crop Yields	AK3156	Jong-Ho Seo	Korea	National Institute of Crop Science	Poster	Improvement of Soil Water Condition for Soybean (Glycine max L.) by Inter-row Stripe Tillage
June 13(Fri)	15:30~16:20	P4-487	Soil Management Strategy for Enhancing Crop Yields	AK3177	Choi Jong-Seo	Korea	National Institute of Crop Science, RDA	Poster	Effects of Cover Crops and Fertilization on Corn Productivity under No-Tillage System
June 13(Fri)	15:30~16:20	P4-488	Soil Management Strategy for Enhancing Crop Yields	AK3185	Jae E. Yang	Korea	Kangwon National University	Poster	Coal Combustion Products (CCPs)- Amended in Paddy Soil for Improvement Soil Fertility and Rice Productivity
June 13(Fri)	15:30~16:20	P4-489	Soil Management Strategy for Enhancing Crop Yields	AK3208	Ju-Sik Cho	Korea	Department of bio-environmental sciences,	Poster	Effects of Seeding Time of Green Manure Crops with Liquid Pig Manure on Rice Growth and Yield
June 13(Fri)	15:30~16:20	P4-490	Soil Management Strategy for Enhancing Crop Yields	AK3211	Seong Heon Kim	Korea	Divison of Applied Life Science & Institute of	Poster	Effect of carrot-green manure crop rotation for improving carrot quality and yield
June 13(Fri)	15:30~16:20	P4-491	Soil Management Strategy for Enhancing Crop Yields	AK3262	Jin Ho Joo	Korea	Kangwon National University	Poster	Self-Diffusible Silicate Fertilizer Development for Paddy Field in Korea
June 13(Fri)	15:30~16:20	P4-492	Soil Management Strategy for Enhancing Crop Yields	AF3352	Bin Guo	China	Zhejiang Academy of Agricultural Sciences	Poster	Silicon mediated different roles in alleviation of cadmium toxicity in two cypress varieties
June 13(Fri)	15:30~16:20	P4-493	Soil Management Strategy for Enhancing Crop Yields	AF3353	Alin Shen	China	Zhejiang Academy of Agricultural Sciences	Poster	Chlorophyll Content Estimation from SPAD, Chlorophyll Fluorescence and Leaf Reflectance Properties
June 13(Fri)	All day	Art Poster	Design and Performance of Cover Systems for Landfills and		Aviva Rahmani				
June 13(Fri)	15:30~16:20	P4-494	Design and Performance of Cover Systems for Landfills and	AF0656	Yunyan Zhou	China	China University of Geosciences	Poster	Reinforcement and ductility effect of plant fine roots on the soil
June 13(Fri)	15:30~16:20	P4-495	Design and Performance of Cover Systems for Landfills and	AF2229	Maria Cristina Diez	Chile	Universidad de La Frontera	Poster	Impact of pesticide mixture on ryegrass (Lolium perenne) cover in a biopurification system with Andisol of southern Chile
June 13(Fri)	15:30~16:20	P4-496	Design and Performance of Cover Systems for Landfills and	AF2314	Maria Cristina Diez	Chile	Universidad de La Frontera	Poster	PESTICIDE DEGRADATION IN A FULL SCALE BIOPURIFICATION SYSTEM IN THE SOUTH OF CHILE
June 13(Fri)	All day	Art Poster	Cultural Perspectives on Soils and Soil Science-art		Patrick Lydon & Suhee Kang				
June 13(Fri)	15:30~16:20	P4-497	Cultural Perspectives on Soils and Soil Science	AF0998	Maxine Levin	USA	USDA-Natural Resources Conservation Service	Poster	Observations on the Relationship of Soil and Land Utilization in Settlement of Eastern United States along the Fall Line

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June 13(Fri)	15:30~16:20	P4-498	Cultural Perspectives on Soils and Soil Science	AF1293	David Smith	USA	USDA, Natural Resources Conservation Service	Poster	The Restructure and Reorganization of the USDA Natural Resources Conservation Service Soil Science Division
June 13(Fri)	15:30~16:20	P4-499	Cultural Perspectives on Soils and Soil Science	AF1593	Wybe Kuitert	Netherlands	Seoul National University, South Korea	Poster	Soil-landscape as a tool in planning and management of the city
June 13(Fri)	15:30~16:20	P4-500	Cultural Perspectives on Soils and Soil Science	AF2142	Patrick Lydon	USA	Artist / FinalStraw.org	Poster	The Final Straw: The Merging of Soil and Society Through the Arts
June 13(Fri)	15:30~16:20	P4-501	Cultural Perspectives on Soils and Soil Science	AF2188	Sabine Grunwald	USA	University of Florida	Poster	Pathways towards an integral-informed soil homeostasis
June 13(Fri)	15:30~16:20	P4-502	Cultural Perspectives on Soils and Soil Science	AK3249	Youngju Kim	Korea	Korea Environment Institute	Poster	Vulnerability Assessment to Soil Contamination Considering Socio-Economic Response Capability
June 13(Fri)	15:30~16:20	P4-503	Mitigating Greenhouse Gas Emissions from Rice Paddy Soils	AF0272	Kosuke Noborio	Japan	Meiji University	Poster	System of rice intensification (SRI) in Japan needs more careful water management practices
June 13(Fri)	15:30~16:20	P4-504	Mitigating Greenhouse Gas Emissions from Rice Paddy Soils	AF0545	Xiaobo Qin	China	Institute of environment and sustainable development in	Poster	Decreasing global greenhouse effects by biochar amendment in a double rice field of South China
June 13(Fri)	15:30~16:20	P4-505	Mitigating Greenhouse Gas Emissions from Rice Paddy Soils	AF0677	Nguyen Ngoc Son	Viet Nam	Mekong Delta Development Research Institute, Can Tho	Poster	Rice community base production and GHG reduction in the Mekong Delta, Viet nam: a case study in An Giang, Kien Giang provinces
June 13(Fri)	15:30~16:20	P4-506	Mitigating Greenhouse Gas Emissions from Rice Paddy Soils	AF0692	Leandro Souza Da Silva	Brazil	UNIVERSIDADE FEDERAL DE SANTA MARIA	Poster	Rice straw and nitrate content control nitrous oxide emission in a flooded paddy soil
June 13(Fri)	15:30~16:20	P4-507	Mitigating Greenhouse Gas Emissions from Rice Paddy Soils	AF0940	Chiling Chen	Taiwan	Taiwan Agricultural Research Institute	Poster	Comparison on the Methane Emission from Different Cropping Seasons of Paddy Rice in Central Taiwan
June 13(Fri)	15:30~16:20	P4-508	Mitigating Greenhouse Gas Emissions from Rice Paddy Soils	AF1051	Tapan Kumar Adhya	India	Indian Nitrogen Group	Poster	Fluxes of methane and nitrous oxide in water-saving rice production from eastern India
June 13(Fri)	15:30~16:20	P4-509	Mitigating Greenhouse Gas Emissions from Rice Paddy Soils	AF1397	Longlong Xia	China	Institute of Soil Science, Chinese Academy of	Poster	A combined net economic and environmental benefit with greenhouse gas intensity evaluation of three rice-cropping systems
June 13(Fri)	15:30~16:20	P4-510	Mitigating Greenhouse Gas Emissions from Rice Paddy Soils	AF1414	Quangha Pham	Viet Nam	Institute for Agricultural Environment (IAE/VAAS)	Poster	Mitigating Greenhouse Gas Emission from Vietnam Rice Paddy Soils
June 13(Fri)	15:30~16:20	P4-511	Mitigating Greenhouse Gas Emissions from Rice Paddy Soils	AF1557	Prihasto Setyanto	Indonesia	Indonesia Agricultural Environemnt Research	Poster	SOIL CONTROLLING FACTORS OF CH4 GAS PRODUCTION FROM FLOODED PADDY SOILS OF CENTRAL JAVA
June 13(Fri)	15:30~16:20	P4-512	Mitigating Greenhouse Gas Emissions from Rice Paddy Soils	AF1693	Li Zhuang	China	Guangdong Institute of Eco-environmental and Soil	Poster	Methanogenesis Affected by the Co-occurrence of Iron(III) Oxides and Humic Substances
June 13(Fri)	15:30~16:20	P4-513	Mitigating Greenhouse Gas Emissions from Rice Paddy Soils	AF2259	Helena Lina Susilawati	Japan	Chiba University	Poster	Greenhouses gas production from different soil types and water managements under defined laboratory condition
June 13(Fri)	15:30~16:20	P4-514	Mitigating Greenhouse Gas Emissions from Rice Paddy Soils	AF2384	Shunsuke Hanazawa	Japan	Chiba university	Poster	Effect of bacterial material on straw decomposition and greenhouse gas emission from paddy soil
June 13(Fri)	15:30~16:20	P4-515	Mitigating Greenhouse Gas Emissions from Rice Paddy Soils	AF2581	Muhammad Shaaban	China	Huazhong Agricultural University	Poster	The effects of dolomite addition on N2O emission from acidic soil
June 13(Fri)	15:30~16:20	P4-516	Mitigating Greenhouse Gas Emissions from Rice Paddy Soils	AF2720	Jayasree G	India	Acharya NG Ranga Agricultural University,	Poster	EFFECT OF NITRIFICATION INHIBITORS ON YIELD AND GREEN HOUSE GAS EMISSIONS IN RICE
June 13(Fri)	15:30~16:20	P4-517	Mitigating Greenhouse Gas Emissions from Rice Paddy Soils	AK0453	Prabhat Pramanik	Korea	Gyeongsang National University	Poster	Potential of chelating compounds like EDTA to mitigate methane emission from rice paddy soils
June 13(Fri)	15:30~16:20	P4-518	Mitigating Greenhouse Gas Emissions from Rice Paddy Soils	AK0936	Se-Won Kim	Korea	Gangwondo Agricultural Research & Extension	Poster	Effects of liquid pig manure application on the emission of CH4 in a paddy soil
June 13(Fri)	All day	Art Poster	Proximal Soil Sensing-art		Ulrike Arnold				
June 13(Fri)	15:30~16:20	P4-519	Proximal Soil Sensing	AF0159	Du Changwen	China	Institute of Soil Science Chinese Academy of	Poster	Soil information system of infrared mid-infrared photoacoustic spectroscopy
June 13(Fri)	15:30~16:20	P4-520	Proximal Soil Sensing	AF0251	Alexandre Ten Caten	Brazil	Universidade Federal de Santa Catarina campus	Poster	Adequacy of a lower cost spectrometer for prediction of soil particle size distribution

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June 13(Fri)	15:30~16:20	P4-521	Proximal Soil Sensing	AF0442	Haijiang Wang	China	China Agricultural University	Poster	Synchronization Prediction Model of Soil Water-salt Based on Hyperspectral Reflectance Characteristics
June 13(Fri)	15:30~16:20	P4-522	Proximal Soil Sensing	AF0734	Maria Knadel	Denmark	Aarhus University	Poster	Mobile multisensor platform for field scale soil properties mapping
June 13(Fri)	15:30~16:20	P4-523	Proximal Soil Sensing	AF0783	Brendan Malone	Australia	The University of Sydney	Poster	Soil pit descriptions for the contemporary field soil scientist: Harnessing the new soil analytical technologies.
June 13(Fri)	15:30~16:20	P4-524	Proximal Soil Sensing	AF0955	Thomas Bishop	Australia	Faculty of Agriculture and Environment, The University	Poster	Predicting soil organic carbon contents in archived soils using mid-infrared spectroscopy
June 13(Fri)	15:30~16:20	P4-525	Proximal Soil Sensing	AF1008	Jason Ackerson	USA	Texas A&M University	Poster	Transfer functions for VisNIR spectra: application of air-dry spectral libraries to moist and intact soils
June 13(Fri)	15:30~16:20	P4-526	Proximal Soil Sensing	AF1170	Ho Jun Jang	Australia	The University Of Sydney	Poster	How does soil moisture effect the in-field prediction of soil properties from X-Ray Fluorescence (XRF) spectra?
June 13(Fri)	15:30~16:20	P4-527	Proximal Soil Sensing	AF1370	Yiyun Chen	China	Wuhan University	Poster	Transferability of a Visible and Near-Infrared Model for Soil Organic Matter Estimation in Riparian Landscapes
June 13(Fri)	15:30~16:20	P4-528	Proximal Soil Sensing	AF1415	Shuo Li	China	Zhejiang University	Poster	Prediction of Soil Nitrogen at the Chinese Scale by Visible and Near InfraRed Reflectance Spectroscopy
June 13(Fri)	15:30~16:20	P4-529	Proximal Soil Sensing	AF1531	Ebrahim Babaeian	Iran	Tarbiat Modares University	Poster	Using visible-near infrared spectroscopy to predict some soil properties in a semi-arid region of Iran
June 13(Fri)	15:30~16:20	P4-530	Proximal Soil Sensing	AF1564	Kanika Singh	Australia	Faculty of Agriculture and Environment, University of	Poster	Unravelling the research gaps in technology based soil inference systems.
June 13(Fri)	15:30~16:20	P4-531	Proximal Soil Sensing	AF1822	Bing Si	Canada	University of Saskatchewan	Poster	Predicting organic carbon content of Canadian Prairie soils using vis-NIR spectroscopy: A Comparison of Pretreatment and Validation

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June 13(Fri)	15:30~16:20	P4-532	Proximal Soil Sensing	AF1871	Udaya W. A. Vitharana	Sri Lanka	University of Peradeniya	Poster	Potential of soil proximal sensing for mapping of key soil features of an Alfisol in Sri Lanka
June 13(Fri)	15:30~16:20	P4-533	Proximal Soil Sensing	AF2060	Youssef Fouad	France	Agrocampus Ouest	Poster	Soil water content estimation using visible and near infrared spectroscopy
June 13(Fri)	15:30~16:20	P4-534	Proximal Soil Sensing	AF2303	Balasooriya Lekamalage Wajira	Sri Lanka	University of Peradeniya	Poster	Apparent Electrical Conductivity (ECa) based potential management zones for site specific nutrient management in paddy soils of Sri
June 13(Fri)	15:30~16:20	P4-535	Proximal Soil Sensing	AF2310	Kanika Singh	Australia	Faculty of Agriculture and Environment, University of	Poster	Estimation of Soil Organic Carbon in Indian and Australian Soils using Reflectance Spectroscopy
June 13(Fri)	15:30~16:20	P4-536	Proximal Soil Sensing	AF2492	Guillaume Debaene	Poland	Institute of Soil Science and Plant Cultivation - State	Poster	How much can we reduce the number of calibration samples?
June 13(Fri)	15:30~16:20	P4-537	Proximal Soil Sensing	AF2587	John Triantafilis	Australia	The University of New South Wales	Poster	Scope to predict soil properties at within-field scale from small samples using proximally sensed data
June 13(Fri)	15:30~16:20	P4-539	Proximal Soil Sensing	AF2921	Adam Csorba	Hungary	Szent Istvan University	Poster	Identification of WRB soil classification units from VIS-NIR spectral signatures
June 13(Fri)	15:30~16:20	P4-540	Proximal Soil Sensing	AF2932	Robin Gebbers	Germany	Leibniz-Institute for Agricultural Engineering	Poster	Potential of using portable x-ray fluorescence spectroscopy XRF for assessing plant nutrients in soils
June 13(Fri)	All day	Art Poster	Soil Information Exchange Standards and Systems-art		Gerd Wessolek				
June 13(Fri)	15:30~16:20	P4-541	Soil Information Exchange Standards and Systems	AF0746	Bruce Simons	Australia	CSIRO	Poster	An Australian-New Zealand standard for exchange of soil and landscape data: ANZSoilML v2.0
June 13(Fri)	15:30~16:20	P4-542	Soil Information Exchange Standards and Systems	AF1376	Yanfeng Shu	Australia	CSIRO	Poster	Standardising CosmOz Probe Based Soil Moisture Measurements
June 13(Fri)	15:30~16:20	P4-543	Soil Information Exchange Standards and Systems	AF1377	Yanfeng Shu	Australia	CSIRO	Poster	Making APSIM open data driven
June 13(Fri)	15:30~16:20	P4-544	Soil Information Exchange Standards and Systems	AF1788	Tomislav Hengl	Netherlands	ISRIC	Poster	Global Soil Information Facilities: towards a Soil-Wiki
June 13(Fri)	15:30~16:20	P4-545	Soil Information Exchange Standards and Systems	AF2576	Daniel Brough	Australia	Department of Science, Information Technology,	Poster	Reflections on the implementation of ANZSoilML in Queensland
June 13(Fri)	All day	Art Poster	Progress in Digital Soil Mapping and GlobalSoilMap-art		Alexandra Toland				
June 13(Fri)	15:30~16:20	P4-546	Progress in Digital Soil Mapping and GlobalSoilMap	AF0577	Zamir Libohova	USA	USDA-NRCS-National Soil Survey Center	Poster	Challenges and potential solutions to quantifying soil property predictions uncertainty for the GlobalSoilMap using legacy data (US
June 13(Fri)	15:30~16:20	P4-547	Progress in Digital Soil Mapping and GlobalSoilMap	AF0737	Wei Shangguan	China	Beijing Normal University	Poster	Comparison of aggregation ways on soil property maps
June 13(Fri)	15:30~16:20	P4-548	Progress in Digital Soil Mapping and GlobalSoilMap	AF0832	Peter Wilson	Australia	CSIRO	Poster	Mapping soil-landscape features using image object analysis as a spatial framework for soil attribute analysis and communication
June 13(Fri)	15:30~16:20	P4-549	Progress in Digital Soil Mapping and GlobalSoilMap	AF0934	Mohammad Reza Pahlavan Rad	Iran	Gorgan University of Agricultural Sciences and	Poster	Mapping and Updating Soil Series Using Random Forest and Conditioned Latin Hypercube Sampling in the Loess Soils of
June 13(Fri)	15:30~16:20	P4-550	Progress in Digital Soil Mapping and GlobalSoilMap	AF0989	Umakant Mishra	USA	Argonne National Laboratory	Poster	Spatial representation of soil properties in earth system models
June 13(Fri)	15:30~16:20	P4-551	Progress in Digital Soil Mapping and GlobalSoilMap	AF1015	Mike Grundy	Australia	CSIRO	Poster	Australia's GlobalSoilMap - the system and its components
June 13(Fri)	15:30~16:20	P4-552	Progress in Digital Soil Mapping and GlobalSoilMap	AF1045	Wei Huangwei	China	Huazhong Agricultural University	Poster	Application of spatial simulated annealing method on a soil sampling scheme in the road surrounding region
June 13(Fri)	15:30~16:20	P4-553	Progress in Digital Soil Mapping and GlobalSoilMap	AF1063	Xiaodong Song	China	Institute of Soil Science, Chinese Academy of	Poster	Spatial prediction of soil variables based on primary terrain attributes in a gentle area
June 13(Fri)	15:30~16:20	P4-554	Progress in Digital Soil Mapping and GlobalSoilMap	AF1125	Cristine Morgan	USA	Texas A&M University	Poster	Alpha Beta Gamma of Radiometrics for Enhancing Digital Soil Mapping

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June 13(Fri)	15:30~16:20	P4-555	Progress in Digital Soil Mapping and GlobalSoilMap	AF1127	Darren Kidd	Australia	University of Sydney	Poster	A New Digital Soil Resource for Tasmania, Australia
June 13(Fri)	15:30~16:20	P4-556	Progress in Digital Soil Mapping and GlobalSoilMap	AF1157	Edward Muya	Kenya	Kenya Agricultural Research Institute, Kenya Soil Survey	Poster	Evaluating soils for rural and agricultural development: Putting human face on soil survey and mapping for sustained ecosystem
June 13(Fri)	15:30~16:20	P4-557	Progress in Digital Soil Mapping and GlobalSoilMap	AF1411	Søren M. Kristiansen	Denmark	Aarhus University	Poster	Spatial distribution of soil organic carbon in southern Greenland assessed following the Globalsoilmap.net specifications
June 13(Fri)	15:30~16:20	P4-558	Progress in Digital Soil Mapping and GlobalSoilMap	AF1580	Thomas Bishop	Australia	Faculty of Agriculture and Environment, The University	Poster	Using time-series covariates to improve predictions of subsoil properties
June 13(Fri)	15:30~16:20	P4-559	Progress in Digital Soil Mapping and GlobalSoilMap	AF1676	Jose Padarian	Australia	University of Sydney	Poster	Ensemble model to predict the available water capacity of Australian soils
June 13(Fri)	15:30~16:20	P4-560	Progress in Digital Soil Mapping and GlobalSoilMap	AF1923	Amelie Beucher	Finland	Abo Akademi University	Poster	Artificial neural network for mapping and mitigation-orientated characterization of acid sulfate soils: application to Sirppujoki River
June 13(Fri)	15:30~16:20	P4-561	Progress in Digital Soil Mapping and GlobalSoilMap	AF2211	Mark Thomas	Australia	CSIRO	Poster	Digital soil mapping in regional agricultural resource assessment
June 13(Fri)	15:30~16:20	P4-562	Progress in Digital Soil Mapping and GlobalSoilMap	AF2650	Travis Nauman	USA	West Virginia University	Poster	Prediction Interval Analysis of Clay, Soil Organic Carbon, and pH for GlobalSoilMap from STATSGO2, SSURGO, and Disaggregated
June 13(Fri)	15:30~16:20	P4-563	Progress in Digital Soil Mapping and GlobalSoilMap	AF2658	Travis Nauman	USA	West Virginia University	Poster	Pedoecological mapping to improve forest management
June 13(Fri)	15:30~16:20	P4-564	Progress in Digital Soil Mapping and GlobalSoilMap	AF2799	Hannes Oeverdieck	Germany	University Bayreuth	Poster	SOILS IN THE SOYANG LAKE WATERSHED: SOIL SAMPLING DESIGN AND EARLY SOIL DESCRIPTION
June 13(Fri)	15:30~16:20	P4-565	Progress in Digital Soil Mapping and GlobalSoilMap	AF2854	Endre Dobos	Hungary	University of Miskolc	Poster	A novel approach for validating digital soil datasets with categorical data
June 13(Fri)	15:30~16:20	P4-566	Progress in Digital Soil Mapping and GlobalSoilMap	AF2879	Borut Vrscaj	Slovenia	Agricultural Institute of Slovenia	Poster	The utilization of empirical knowledge in digital soil mapping
June 13(Fri)	15:30~16:20	P4-567	Progress in Digital Soil Mapping and GlobalSoilMap	AF2888	Endre Dobos	Hungary	University of Miskolc	Poster	Digital, Optimized, Soil Related Maps and Information in Hungary; DOSoReMI.hu
June 13(Fri)	15:30~16:20	P4-568	Progress in Digital Soil Mapping and GlobalSoilMap	AF2945	Alessandro Samuel Rosa	Brazil	Federal Rural University of Rio de Janeiro	Poster	An approach to help formalizing the purposive sampling strategy of classical soil surveys
June 13(Fri)	15:30~16:20	P4-569	Progress in Digital Soil Mapping and GlobalSoilMap	AF3256	Mansuy Nicolas	Canada	Natural Resources Canada / Canadian Forest Service	Poster	Building digital soil maps of Canadian managed forests at 250 m of resolution using the k-nearest neighbour method
June 13(Fri)	15:30~16:20	P4-570	Progress in Digital Soil Mapping and GlobalSoilMap	AK3243	Suk Young Hong	Korea	National Academy of Agricultural Science (NAAS),	Poster	Changes in soil properties in the agricultural fields of Korea