

Prof. Dr. Yakov Kuzyakov

Dept. of Soil Science of Temperate Ecosystems
Dept. of Agricultural Soil Science
University of Göttingen
37077 Göttingen, Germany

Phone: +49 551 39 9765
Fax: +49 551 39 3310
kuzyakov@gwdg.de
www.uni-goettingen.de/pgz



Scientific & Professional Career

- 2011 Professor (W3), University of Göttingen Chair:
 - Dept. of Soil Science of Temperate Ecosystems,
 - Dept. of Agricultural Soil Science
- 2010 Visiting Professor, IGSNRR, Chinese Academy of Science, Beijing
- 2006 Professor (W2), Dept. of Agroecosystem Research, University of Bayreuth
- 2006 Director, Institute of Landscape Biogeochemistry, ZALF Müncheberg
- 2006 Professor (W2), Landscape Matter Dynamics, TU Cottbus
- 2002 Heisenberg-Fellow of DFG University of Hohenheim, Stuttgart
- 2002 Habilitation, University of Hohenheim
- 1997 Researcher, University of Hohenheim
- 1993 Researcher, Humboldt University Berlin
- 1990 Head of Radioisotope Laboratory Moscow Agricultural Academy
- 1990 PhD, Moscow Agricultural Academy
- 1986 Dipl.Agr.Ing., Martin-Luther-Univ. Halle

Expertise

Soil ecology, Biogeochemistry, Rhizosphere ecology
C and N cycles, C sequestration, Priming effects
Land use, Rhizodeposition, Nutrient mobilization
Low molecular weight organic substances
Partitioning of CO₂ fluxes, Pedogenic carbonates
Stable and radioactive isotope applications

Long-term Research Experience Abroad

- 1-12. 2010 China IGSNRR, Beijing
- 2004-2005 UK SAFS, University of Wales
- 9-11. 2003 UK IGER, North Wyke
- 1999-2000 USA UCSC, Santa Cruz
- 1986-1993 Russia Timiryazev Academy, Moscow

Awards

- 2011 Sir Allan Sewell Visiting Fellowship, Griffith University, Brisbane, Australia
- 2010 Visiting Professor, IGSNRR Chinese Academy of Sciences
- 2002-2005 Heisenberg Fellowship, DFG
- 1999-2002 Habilitation Fellowship, DFG

ISI publications 160 (~ 20 reviews)
Citation Index 3900
H-index 29

Editorial Boards

- European Journal of Soil Biology (*Field Editor*)
- Soil Biology & Biochemistry (*Subject Editor*)
- Global Change Biology
- Plant and Soil
- Journal of Plant Nutrition and Soil Science
- International Agrophysics

Occasional reviewer > 30 journals

Research Project Leading (total > 30 projects)

DFG (German Research Foundation) ~ 15 Projects
Total sum in the last 4 years: ~ 1.9 Mio €

Other projects from BMBF, EU, DAAD, AvH

In: Germany China Tanzania Russia Indonesia

Graduate Advisory Experience

- 28 Postdocs finished (+4 ongoing)
- 12 Doctoral students finished (+11 ongoing)
- > 20 MSc, Diploma & BSc students

Leading & teaching of Advanced Courses

- 1993- > 20 international field tours:
- 2012 *Soil Geography, Agroecology & Land Use*
in: Russia, Portugal, Italy; > 900 Students
- 2002- 10 international PhD courses:
- 2013 *Isotopes in Ecosystem Sciences*
in: Germany, China; > 200 PhD + MSc students

5 Recent Publications

- Kuzyakov Y** 2011 Prime time for microbes. *Nature Climate Change* 1, 295–297
- Kuzyakov Y, Xu X** 2013 Tansley Review: Competition between roots and microorganisms for N: mechanisms and ecological relevance. *New Phytologist* 198, 656–669
- Dippold M., **Kuzyakov Y**. 2013. Biogeochemical transformations of amino acids in soil assessed by position-specific labelling. *Plant and Soil* DOI 10.1007/s11104-013-1764-3
- Kuzyakov Y** 2010 Priming effects: interactions between living and dead organic matter. *Soil Biology & Biochemistry* 42, 1363–1371
- Kuzyakov Y, Gavrichkova O** 2010 Time lag between photosynthesis and carbon dioxide efflux from soil: a review of mechanisms and controls. *Global Change Biology* 16, 3386–3406