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Scientific Career

- Since 1997 Professor in Soil Protection at the University of Technology Berlin
- 1995-1996 Visiting Professor in Halle/Leipzig
- 1984-1995 Senior scientists for soil science at the University of Technology Berlin
- 1982-1984 Soil Scientist at the National German Soil Survey Service, Hannover
- 1980-1981 Research leaders in a research project on modern irrigation methods in Egypt
- 1976-1979 Scientific assistant at the Georg August University Göttingen, PhD
- 1976 Diploma thesis at the Georg-August University Göttingen
- 1972-1976 Diploma Study of Agricultural Sciences in Göttingen

Research Areas

- Urban ecology
- soil physics
- soil hydrology
- soil and art Recently
- Soil thermic properties and water household
- effects of supply lines on soil heat

Selected Publications in Past Five Years

- Abel, S., Peters, A., Trinks, S., Schonsky, H., Facklam, M., and Wessolek, G. (2013). Impact of biochar and hydrochar addition on water retention and water repellency of sandy soil. *Geoderma*, Vol. 202, 183-191.
- Miegel, K., K. Bohne and G. Wessolek (2013): Prediction of long-term groundwater recharge by using hydropedotransfer functions. *Int. Agrophysics* 27:31-37. DOI: 10.2478/v10 247-012-0065-z.
- Nehls, T., Rokia, S., Mekiffer, B., Schwartz, C. and Wessolek, G. (2012): Contribution of bricks to urban soil properties. *J Soils Sediments*, DOI 10.1007/s11368-012-0559-0.
- Wessolek, G., K. Bohne, W. H. M. Duijnsveld, Trinks, S. (2011): Development of hydro pedotransfer functions to predict capillary rise and actual evapotranspiration

for grassland sites. *J. Hydrology* 400, 429–37.

- Nehls, T., Y.N. Rim, and G. Wessolek (2011): Technical note on measuring run-off dynamics from pavements using a new device: the weighable tipping bucket. *Hydrology and Earth System Sciences* 15(5), 1379-1386. doi: 10.5194/hess-15-1379-2011.
- Peters, A., W. Durner, and G. Wessolek (2011): Consistent parameter constraints for soil hydraulic functions. *Adv. Water Resour.* 34(10), 1352-1365. doi:10.1016/j.advwatres. 2011.07.006.
- Wessolek, G., H. Stoffregen and K. Täumer (2009): Persistency of flow patterns in a water repellent sandy soil -Conclusions of TDR readings and a time delayed double tracer experiment-. *J. of Hydrology*, Volume 375, 524-535.
- Wessolek, G., W.H.M. Duijnsveld, and S. Trinks (2008): Hydro-pedotransfer functions (HPTFs) for predicting annual percolation rate on a regional scale. *J. of Hydrology*, 356, 17-27.
- Wessolek, G; Schwärzel, K; Greiffenhagen, A; Stoffregen, H. (2008): Percolation characteristics of a water-repellent sandy forest soil. *Europ. J. of Soil Science* 59: 14-23.
- Wessolek, G; Schwärzel, K; Greiffenhagen, A; Stoffregen, H. (2008): Percolation characteristics of a water-repellent sandy forest soil. *Europ. J. of Soil Science* 59: 14-23.

Merits

- Speaker and head of the DFG-INTERURBAN research group 2001-2007;
- Member and 2nd speaker of the DFG Research Training Group 789 "Perspectives on Urban Ecology", Phases I-III;
- Chair (2002-2006) of the German Soil Science Society working group "Soil physics and structure";
- Chair (2000-2003) of the German Soil Science Society Commission VI "Soil technology";
- Chair (2011-2015) of the German Soil Science Society Commission VIII "Soil, Education and Society"