

CURRICULUM VITAE

Dr. rer. nat. Joachim Ingwersen

Date of birth: 25.02.1969
Place of birth West-Bargum, Northern Friesland, Germany
Family status married, one son
Nationality: German
Current Post: University of Hohenheim
Institute of Soil Science and Land Evaluation
Biogeophysics Group
70593 Stuttgart
Germany
Tel.: 0711/459 23675
Fax: 0711/459 23317
E-mail: joachim.ingwersen@uni-hohenheim.de
Private address: Eichwasenring 34
72654 Neckartenzlingen
Germany

Academic and Professional Career

Since Oct. 2014 Senior researcher and lecturer at the University of Hohenheim (Germany), Institute of Soil Science and Land Evaluation, Biogeophysics Group (permanent position).

Feb. 2012 –Sept. 2014 Researcher (Postdoc) in the DFG Research Unit “Agricultural landscapes under global climate change - Processes and feedbacks on a regional scale” (FOR 1695).

Aug. 2008-Jan. 2012 Researcher (Postdoc) in the Integrated German Research Foundation Project “Structure and functions of agricultural landscapes under climate change. Processes and projections on a regional scale” (PAK 346).

April 2001-Juli 2008 Researcher and lecturer at the University of Hohenheim (Germany), Institute of Soil Science and Land Evaluation, Biogeophysics Section.

Jan.-March 2001 Staff member of the Institute of Environmental Analysis Ltd (IFUA), Bielefeld, Germany.

1996-2001 Doctoral researcher, Institute of Geoecology, Technical University Carolo-Wilhelmina, Braunschweig, Germany. Ph.D. in 2001. Title: The Environmental Fate of Cadmium in the Soils of the Waste Water Irrigation Area of Braunschweig - Measurement, Modelling and Assessment.

1990-1996 Studies in Geoecology, Technical University of Braunschweig. Diploma (M.Sc.) in 1996.

Teaching experience

University of Hohenheim (Agricultural Sciences, Agrobiolgy, Envirofood)

- Module "Environmental Modelling", computer exercises and lectures, M.Sc. course

-
- Module "Spatial Data Analysis with GIS", computer exercises and lectures, M.Sc. course
 - Module "Soil and Environmental Physics", exercises and lectures, B.Sc. and M.Sc. course
 - Supervision of practical trainings in laboratory and field methods of soil physics and pedology, B.Sc. course
 - Supervision of the integrated soil science project, 3rd-year students in Agrobiology
 - Supervision of 12 M.Sc. theses and 6 B.Sc. studies

Technical University of Braunschweig (Geoecology)

Exercise tutor "Water movement and solute transport in soil", 4th- year students

International experiences

Research stays in China, Thailand, Madagascar, Vietnam, United States, and Israel

Research projects

Running

- Felduntersuchung zum Einfluss von Hochspannungsgleichstrom-übertragungserdkabel auf Böden und landwirtschaftliche Kulturpflanzen. Funded by Ministerium für Umwelt, Klima und Energiewirtschaft Baden-Württemberg, 2021-2025.

Completed

- Co-operation partner in the project "Methanemissionen aus Kleinseen" Funded by DFG, 2017-2020. PI: Dr. Hilmar Hofmann, University of Konstanz.
- Soil-plant-atmosphere interactions at the regional scale. Subproject of the DFG Research Unit "Agricultural landscapes under global climate change - Processes and feedbacks on a regional scale" (FOR 1695). Funded by DFG, 2012-2018, with Prof. T. Streck.
- A combined BaPS-¹³C stable isotope technique to study the interaction between C and N turnover in calcareous agricultural soils of the North China Plain. Subproject of the Sino-German Research Training Group „Modeling Material Flows and Production Systems for Sustainable Resource Use in Intensified Crop Production in the North China Plain". Funded by DFG, 2008-2013, with Prof. T. Streck. „Probabilistic assessment of the environmental fate of agrochemicals under varying land use in a watershed in Northern Thailand" Subproject of the 4th phase of the Special Collaborative Program (SFB 564) „Sustainable land use and rural development in mountainous regions of southeast Asia". Funded by DFG, 2009-2012, with Prof. T. Streck.
- Soil-plant-atmosphere interactions at the regional scale. Subproject of Integrated German Research Foundation Project "Structure and functions of agricultural landscapes under climate change. Processes

and projections on a regional scale” (PAK 346), DFG, 2009-2012, with Prof. T. Streck

- The detritosphere as biogeochemical interface for bacterial and fungal degradation of MCPA and phenanthrene. Subproject of the Research Focus Program (SPP 1315) „Biogeochemical interfaces in soil” Funded by DFG, 2007-2010, with Prof. T. Streck and Prof. E. Kandeler.
- „Transport of agrochemicals in a watershed in northern Thailand” Subproject of the 3rd phase of the Special Collaborative Program (SFB 564) „Sustainable land use and rural development in mountainous regions of southeast Asia”. Funded by DFG, 2006-2009, with Prof. T. Streck.
- Adapted land use in flood retention areas for minimizing environmental impacts and agricultural yield losses. Subproject of the joint project „Development of an integrated management concept of retention areas and polders for flood management”. Funded by BMBF, 2005-2008, with Prof. T. Streck. A new method for the simultaneous measurement of gross nitrification and denitrification rates in agricultural soils. Subproject of the Sino-German Research Training Group „Modeling Material Flows and Production Systems for Sustainable Resource Use in Intensified Crop Production in the North China Plain”. Funded by DFG, 2004-2008, with Prof. T. Streck.
- The effect of artificial root exudates on the desorption kinetics of cadmium from soil. Funded by Geschwister-Stauder-Schenkung, 2006-2007, with Prof. T. Streck.
- Lateral water flow and agrochemical transport in a sloped orchard in northern Thailand. Subproject of the Special Collaborative Program (SFB 564) „Sustainable land use and rural development in mountainous regions of southeast Asia”. Funded by DFG. 2003-2006, with Prof. T. Streck.
- Modelling N₂O emissions from forest soils at the regional scale. Subproject in the Graduate college of greenhouse gas studies. Funded by DFG. 2002-2005, with Prof. T. Streck.
- Optimized phytoextraction by intercropping of the hyperaccumulator *Thlaspi caerulescens* and biomass plants. Funded by Geschwister-Stauder-Schenkung, 2002-2003, with Prof. T. Streck.

Miscellaneous

Member of the editorial board of *Pedosphere*

Reviewer for *Atmospheric Environment, Ecological Modeling, Environmental Pollution, Geoderma, Hydrology and Earth Sciences, Journal of Environmental Management, Journal of Environmental Quality, Journal of Plant Nutrition and Soil Science, Pedosphere, Physics and Chemistry of the Earth, and Water Resources Research.*

Invited speaker at the annual meeting of the Chinese Forestry Ecosystem Research Network (CFERN) in Huhuhot (China), 21 May 2010

Member of the German Soil Science Society (DBG) and European Geo-

physical Union (EGU).

Radiation Safety Appointee of the Institute of Soil Science and Land Evaluation

Patent

Verfahren zur Bestimmung der Nitrifikations- und/oder Denitrifikationsraten in Böden. Patent Nr. DE 199 06 872 (2003)