Kothe Erika, Prof. Dr.,
Friedrich Schiller University Jena
Institute of Microbiology, Neugasse 25, 07743 Jena,

Professor W3, Chair Microbial Communication
Vice-Rector for Young Researchers and Diversity Management

Scientific education

1979 – 1984	studies of Biology, Philipps University Marburg, Diploma
1988	PhD, Genetics, Philipps University Marburg
1997	Habilitation: Genetics and Mycology, Philipps University Marburg

Professional career since final degree

1988 – 1989	Postdoc Philipps University Marburg, Prof. Dr. Albrecht Klein
1989 – 1990	Postdoc University of Vermont, USA, Prof. Dr. Robert C. Ullrich
1990 – 1991	Postdoc Rijksuniversiteit Groningen, The Netherlands, Prof. Dr. Joseph G.H. Wessels
1991 – 1997	Scientific Assitant (C1), Philipps University Marburg
1997 – 2012	Assistant Professor, Friedrich Schiller University Jena
2012 - today	Full Professor, Friedrich Schiller University Jena

Academic positions

2000 – 2007	Member CRC "Metal-mediated reactions modeled after nature"
2001 - 2003	Officer for Equal Opportunities at the Faculty for Biology and Pharmacy, Friedrich Schiller University Jena
2002 - 2006	Coordinator of the EU-Marie Curie-Host Development Program "MIRACLE"
2003 - today	Editor-in-chief, Journal of Basic Microbiology
2003 - today	Member of the Board, Studium Generale
2003 – today	Member International Max Plack Research School „Exploration of Ecological Interactions with Molecular and Chemical Methods", Jena
2003 –2007	Dean of Studies Affairs
2004 - 2011	Trustee towards the German Research Foundation, Friedrich Schiller University Jena
2006 – today	Coordinator DFG-Gk 1257 "Alteration and Element Mobility at Microbe-Mineral Interfaces"
2006 – today	Member International Leibniz Research School for Microbial and Biomolecular Interactions, Leibniz Institute for Natural Product Research and Infection Biology Hans Knöll Institute, Jena
2006 – today	Member Steering Committee HIGRADE, Helmholtz Center for Environmental Research UFZ Leipzig
2007 - 2008	Speaker of Universities in the Graduate School HIGRADE
2007 - 2011	Senator, Friedrich Schiller University Jena
2007 - today	Member Committee for Mathematics and Natural Sciences, Akkreditierungsagentur Acquin
2007 - today	Vice-Coordinator Excellence Graduate School "Jena School for Microbial Communication"
2007 – today	Head of the Study Committee MSc Microbiology

2008 – today	Founding Member and Directorate of the Jena Graduate Academy, Friedrich Schiller University Jena
2009 - 2012	Coordinator of EU project "UMBRELLA", FP 7
2010 - today	Steering Committee Member, International Max Plack Research School „Global Biogeochemical Cycles", Jena
2011-2014	Director of the Jena Graduate Academy
since 2011	Member Scientific Advisory Board, Helmholtz Center Dresden-Rossendorf
2011-2014	Vice-Rector for Young Scientists and Diversity Management
since 2013	Director of UniWiND/GUAT

5 selected Publications:

- Schütze E, Weist A, Klose M, Wach T, Schumann M, Nietzsche S, Merten D, Baumert J, Majzlan J, Kothe E (2013) Taking nature in to lab: Biomineralization by heavy metal resistant streptomycetes in soil. Biogeosciences 10, e3605-3614
- Asiimwe T, Krause K, Schlunk I, Kothe E (2012) Modulation of ethanol stress tolerance by aldehyde dehydrogenase in the mycorrhizal fungus *Tricholoma vaccinum*. *Mycorrhiza* 22: 471-484
- Krause K, Henke C, Asiimwe T, Ulbricht A, Klemmer S, Schachtschabel D, Boland W, Kothe E (2015) Biosynthesis and secretion of indole-3-acetic acid and its morphological effects on *Tricholoma vaccinum*-spruce ectomycorrhiza. Appl Environ Microbiol 81: 7003-7011
- Kothe E, Büchel G (2015) Alteration and element mobility at microbe-mineral interfaces. Env Sci Poll Res 22: 19315-19316
- Beyer A, Rzanny M, Weist A, Möller S, Burow K, Gutmann F, Neumann S, Lindner J, Müsse S, Brangsch H, Stoiber-Lipp J, Lonschinski M, Merten D, Büchel G, Kothe E (2015) Aquifer community structure in dependence of lithostratigraphy in groundwater reservoirs. Environ Sci Pollut Res 22, 19342-19351