

Prof. Dr. Steffen Kolb

Position: Co-Head of Research Area 1
Head of WG Microbial Biogeochemistry
Professor of Landscape Biogeochemistry, Humboldt-Universität zu Berlin
Elected Head of ZALF Council



Academic education and scientific degrees

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| 06/2014 | Re-Habilitation & Venia Legendi, Microbiology, Friedrich Schiller University Jena |
| 07/2010 | Habilitation & Venia Legendi, Microbiology, University of Bayreuth |
| 10/1999 – 01/2004 | Doctorate: Microbiology & Biogeochemistry, Philipps-Universität Marburg, Max-Planck-Institute of Terrestrial Microbiology |
| 10/1994 – 07/2000 | Diploma & Studies in Biology, University of Göttingen |

Professional experience

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| Since 06/2019 | Professor at Faculty of Life Sciences, Humboldt-Universität zu Berlin |
| Since 01/2018 | Co-Head of the RA 1 Landscape Functioning & head of the WG Microbial Biogeochemistry, ZALF |
| 10/2015 – 12/2017 | Head of Institute of Landscape Biogeochemistry, ZALF |
| 03/2014 – 09/2015 | Acting Head (W3) of the Chair Aquatic Geomicrobiology, Friedrich Schiller University Jena |
| 09/2010 – 02/2014 | Associate Docent (Privat Dozent), University of Bayreuth |

Research Profile

Background

- Environmental microbiology and biogeochemistry of terrestrial Ecosystems (soils, plant-soil systems)

Research Activities

- Microbial Biogeochemistry - GHGs & BVOCs, soil organic matter
- Microbiome-Interactions with crops
- Microbial Ecophysiology - N-converting and methylotrophic microbes

Functions and memberships

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| 2022 | Chair/Convener of Session BG3.3 at EGU Meeting on role of bVOCS in plants, soils and Microbes |
| 2021 – 2024 | Co-lead author in FEdA Faktencheck (National German Biodiversity Report), chapter "Soil Biodiversity" |
| 2020 – 2022 | Member of an international expert panel at INRAE within "The National French Research Initiative - Towards pesticide-free agriculture 2050", This panel develops new scenarios for agricultural production in France and Europe in 2050 |

2019 – 2022	Member of several professorship search boards at the Freie Universität Berlin, Humboldt-Universität zu Berlin, University of Innsbruck (Austria)
Since 2019	Associate editor Frontiers in Microbiology
2018	Member of scientific committee and session chair on conference Landscape 2018
Since 2012	Vereinigung für Allgemeine und Angew. Mikrobiologie (VAAM), Deutsche Bodenkundliche Gesellschaft (DBG), European Geosciences Union (EGU), International Society of Microbial Biogeochemistry
01/2012 – 12/2024	Membership Editorial Board of Applied & Environmental Microbiology

Other

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Scopus: <https://www.scopus.com/authid/detail.uri?authorId=8593716400>