

Dr. Maren Dubbert

Position: Head of WG Isotope Biogeochemistry and Gas Fluxes



Academic education and scientific degrees

2010 – 2014	Dr. rer. nat., University of Bayreuth, Germany; Title: Water balance and productivity of a Mediterranean oak woodland: "Quantifying understory vegetation impacts by development of a stable oxygen isotope partitioning approach"
2007 – 2009	Master of Science in Ecology and Environmental Sciences, University Bielefeld
2004 – 2007	Bachelor of Science in Biology, University Bielefeld

Professional experience

Since 2022	Head of Working group "Isotope Biogeochemistry & Gas Fluxes", ZALF
2021 – 2022	Scientist on Tenure Track in WG "Isotope Biogeochemistry & Gas Fluxes", ZALF (final evaluation in 2024)
2015 – 2021	Scientist and Lecturer (Akademische Mitarbeiterin) Chair of Ecosystem Physiology, University Freiburg (Maternal leave between 1/19 and 6/21 with part time work)
2014 – 2015	Postdoctoral Researcher WG Agroecosystem Research, University Bayreuth

Research Profile

Background

- Ecosystem Physiology
- Ecohydrology
- Plant Ecology and Ecophysiology

Research Activities

- Climate Change related impacts on ecosystem water and GHG fluxes
- Ecohydrology of complex landscapes
- Stable Isotope fractionation
- Method development for continuous flux and isotopic monitoring

Functions and memberships

Since 2022	Member of Doctoral commission at ZALF
2021 – 2024	National vice-representative, COST Action (CA19120) "WATSON: WATER isotopeS in the critical zONE: from groundwater recharge to plant transpiration", European Cooperation in Science & Technology.
Since 2021	2. Chairman of German Association for Stable Isotopes
Since 2020	Guest editor in Frontiers in Plant Science and Hydrological Processes

Other

- 2017 Junior Leonardo Lecture, EGU Leonardo conference "Water stable isotopes in the Hydrological cycle", Saigerhöh, Black forest
- 2017 Helmut-Lieth-Preis for environmental research, University of Freiburg
- Since 2015 Lecturer at University of Freiburg (Ecosystem Physiology and Ecohydrology), Habilitation thesis handed in June 2022
- 2015 Isotopenpreis of the Dr. Karleugen Habfast Stiftung in recognition of the dissertation thesis
- 2011 Best poster award at the annual meeting of the Arbeitsgemeinschaft stabiler Isotope (ASI)

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