

Prof. Dr. Jürgen Augustin

Position: Senior Scientist in Working Group IGB
Honorary Professor for Ressource Management
(Martin-Luther-Universität Halle-Wittenberg)



Academic education and scientific degrees

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| 2003 | Honorary professor for resource management at the agricultural faculty of the MLU Halle-Wittenberg |
| 1985 | Dr. agr. at the agricultural faculty of the MLU Halle-Wittenberg, title: "Effect of exogenous and endogenous factors on the root development of young wheat plants" |
| 1980 | Diplomagraringenieur plant production, Martin-Luther-University (MLU) Halle-Wittenberg, agricultural faculty |

Professional experience

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| 2018 – 10/2022 | Head of Working group "Isotope Biogeochemistry & Gas Fluxes" |
| 2015 – 2017 | Head of Research area Trace gas Biogeochemistry |
| 2008 – 2018 | Head of the cross-institute project "CarboZALF - Carbon dynamics of arable landscape under climate change" |
| 1998 – 2014 | Acting head of the ZALF Institute for Landscape Biogeochemistry and its precursor facilities |
| Since 1992 | Senior scientist at ZALF |
| 1984 – 1991 | Scientific assistant at the Research Centre for Soil Fertility Müncheberg |

Research Profile

Background

- Crop nutrition and physiology,
- crop production systems
- Radiotracer techniques

Research Activities

- Impact of land use on GHG gas fluxes of terrestrial ecosystems
- Quantification of gross N flux dynamics and N fertilizer efficiency
- Quantification of assimilate C flux dynamics in plant soil systems
- Impact of erosion and topsoil dilution on soil C dynamics and C storage

Functions and memberships

2017 – 2018 Deputy Chairman of the Soil Fertility Commission of the German Soil Science Society

Since 2019 Associate editor of JPNSS

Other

ORCID iD: 0000-0002-8560-2814; h-index: 42