

M.Sc. Björn G. Wang

Position: Technician in the Junior Research Group "SoilRob"
Working Group "Resource-Efficient Cropping Systems"

Academic education and scientific degrees

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| 10/2020 – 09/2023 | B.Sc. in Geoecology University of Potsdam, Germany Title of the thesis: "Turnover of species composition in glacier forelands of the Northern Limestone Alps" (at the UFZ Halle) |
| 10/2015 – 09/2019 | M.Sc. in Biology <i>Freie Universität Berlin, Deutschland</i> Title of the thesis: "Phytohormonal and transcriptional responses of <i>Solanum dulcamara</i> to oviposition and herbivory by <i>Spodoptera exigua</i> " |
| 10/2012 – 09/2015 | B.Sc. in Biology <i>Freie Universität Berlin, Deutschland</i> |

Professional experience

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| Since 01/2024 | <i>Technician</i> in the SoilRob project at the Leibniz Center for Agricultural Landscape Research (ZALF) |
| 08/2022 – 09/2023 | <i>Research assistant</i> in the Natural Hazards working group at the University of Potsdam |
| 03/2020 – 09/2020 | <i>Research associate</i> in the Funct2 - Plant Metabolism working group at the Leibniz Institute of Vegetable and Ornamental Crops (IGZ) on the topic "Plant Signal Transduction and Nutrient Signaling" |
| 12/2017 – 06/2019 | <i>Student assistant</i> in the Molecular Ecology working group at the Freie Universität Berlin |

Research Profile

Background

- Molecular Ecology
- Biodiversity and species turnover
- Data processing and analysis using R
- Geodata processing and analysis using ArcGIS and QGIS
- Field work (sampling, surveying and mapping), laboratory work (sample processing)

Research Activities

- Impact of autonomous field robots on soil health and yields in diversified cropping systems ([SoilRob](#))