GEORG J. A. HÄHN

Biologist (M.Sc.)

🎓 EDUCATION

Current | 2023-11

University of Bologna
PhD in Ecology

Working title: "Assessing the role of structurally complex forests as climatic refugia for plant biodiversity"

Department of Biological, Geological, and Environmental Sciences

2022-09 | 2020-10

Martin Luther University Halle-Wittenberg
Master of Science: Biology (ECTS: A, CGPA: 3.9)

Courses:
- Spatial Ecology and Modeling
- Nature Conservation
- Field Ecology

Internships (6 weeks):
- Specimen and Phylogeny research of the genus *Melica*
- Modeling approaches on temperature buffering in subtropical forests

Thesis: Comparison of the global distribution of functional and phylogenetic diversity in plant communities. Supervision by Prof. Helge Bruelheide and Prof. Francesco Sabatini at iDiv.

2020-10 | 2016-10

Martin Luther University Halle-Wittenberg
Bachelor of Science: Biology (ECTS: C, CGPA: 2.6)

Thesis: Litter quality and tree species richness effects on litter decomposition in subtropical forest. Supervision by Prof. Nico Eisenhauer and Dr. Remy Beugnon at iDiv.

2016-06 | 2008-08

Gymnasium Brandis
Abitur (general qualification for university entrance)

🖥 WORK EXPERIENCE

2023-12 | 2022-10

Research Assistant (80h/month)
Martin Luther University Halle-Wittenberg 📍 Halle (Saale)
• Database curator of sPlot
• Recruiting and preparation of new datasets for the database
• Classification of vegetation types

Personal Information

📅 21.04.1998, Leipzig, Germany
✉ georgjohannes.hahn@unibo.it
⊙ github.com/georghaehn
✖ bsky.app/georghaehn

Skills

Computational

R for data management & statistical analyses (advanced)
$\LaTeX$ (intermediate)
Git (intermediate)
Unix (basic)
MS Office (advanced)

Language

German (native)
English (fluent, TOEFL 12.2022)
Latin (basic knowledge)

2022-09 | 2022-03

Research Assistant (60h/month)
Martin Luther University Halle-Wittenberg   📍 Halle (Saale)
• Database curator of sPlot
• Recruiting and preparation of new datasets for the database

2022-01 | 2021-07

Student Research Assistant (50h/month)
Leipzig University (iDiv)   📍 Leipzig
• Lab and field assistant
• Preparation of bait-lamina-strips for The Jena Experiment

2021-06 | 2020-10

Research Assistant (53h/month)
Martin Luther University Halle-Wittenberg   📍 Halle (Saale)
• Database curator of sPlot
• Digitalization of vegetation relevees

2019-12 | 2019-09

Student Research Assistant (80h/month)
Leipzig University   📍 Xingangshan, China
• Field and lab assistant
• Leaf litter decomposition experiment in a subtropical forest plantation BEF China

2019-06 | 2018-08

Research Assistant (40h/month)
Martin Luther University Halle-Wittenberg   📍 Xingangshan, China
• Field assistant with three field trips of two months
• Terrestrial laserscanning to calculate tree-crown-interaction
• Preparing of a leaf litter decomposition experiment
• Insect collection and leaf-insect-damage categorization

📽 TEACHING EXPERIENCE

2021

Introduction to R and RMarkdown
One full day course: introduction to $dplyr$, $ggplot$ & $\LaTeX$.

2023

Introduction to R
One full day course: introduction to $tidyverse$ and the native pipe operator.

2023

Creating website and CV from R
In this two days course, I teach the basics how to create a website and a CV using RStudio IDE. Introducing the programming backbone including basics of $html$ and $LaTeX$ coding.

2024

Founding of the Coding Club at University of Bologna

📄 SELECTED PUBLICATIONS

- Beugnon, Rémy, Georg Albert, Georg Hähn, et al. 2025. 'Improving Forest Ecosystem Functions by Optimizing Tree Species Spatial Arrangement'. Nature Communications 16 (1): 6286. https://doi.org/10.1038/s41467-025-61389-7.

- Köhler, Michael, Pablo Castro Sánchez-Bermejo, Georg Hähn, et al. 2025. 'Foliar Endophytic Fungal Communities Are Driven by Leaf Traits—Evidence From a Temperate Tree Diversity Experiment'. Ecology and Evolution 15 (7): e71691. https://doi.org/10.1002/ece3.71691.

- Schnabel, Florian, Rémy Beugnon, Bo Yang, et al. 2025. 'Tree Diversity Increases Forest Temperature Buffering via Enhancing Canopy Density and Structural Diversity'. Ecology Letters 28 (3): e70096. https://doi.org/10.1111/ele.70096.

- Hähn, Georg J. A., Gabriella Damasceno, Esteban Alvarez-Davila, Isabelle Aubin, Marijn Bauters, Erwin Bergmeier, Idoia Biurrun, et al. 'Global Decoupling of Functional and Phylogenetic Diversity in Plant Communities'. Nature Ecology & Evolution 2024, December, 1–12. https://doi.org/10.1038/s41559-024-02589-0.

- Beugnon, Rémy, Nico Eisenhauer, Helge Bruelheide, Andréa Davrinche, Jianqing Du, Sylvia Haider, Georg Hähn, et al. 'Tree Diversity Effects on Litter Decomposition Are Mediated by Litterfall and Microbial Processes'. Oikos 2023, no. 10 (2023): e09751. https://doi.org/10.1111/oik.09751.

- Sabatini, Francesco Maria, Georg Hähn, Karina Speziale, Ana María Cingolani, Gabriella Damasceno & Helge Bruelheide. 'Vegetation of Southern Patagonia in the 1970s – Digitization of a Gray-Literature Data Set as a Monitoring Baseline in a Changing World'. Journal of Vegetation Science 34, no. 5 (2023): e13209. https://doi.org/10.1111/jvs.13209.

🏆 AWARDS/GRANTS/PRIZES

2024 **Borsa del Governo Francese**
Travel and research grant from the French Ministry: 1700€/month for three months.

2024 **IAVS Early Career Supporting Grant**
ECR grant 1000€.