Jena School for Microbial Communication
Graduate School of Excellence

Levke Petersen

Institute for Microbiology
Friedrich Schiller University Jena
Neugasse 25
D-07743 Jena

Phone: *+49 (0)3641-949399*
E-Mail: *levke.petersen@uni-jena.de*

Title PhD Project: The Mycoremediation Potential of Ectomycorrhiza

Main Research Interests

- Mycology
- Mycoremediation
- Bio-Geo-Interactions

Methodological Experiences

- Fluorescence Microscopy (e.g. culture morphology, mushroom identification)
- Cultivation & Isolation of fungal cultures from fruiting bodies
- DNA & RNA isolation
- 16S-PCR/ITS-PCR/qPCR

Curriculum Vitae

09/2024	**Courses** Advanced mushroom identification (F1&F2), Felix Hampe, Deutsche Gesellschaft für Mykologie (DGFM)
11/2024	**Course** Advanced mushroom identification & preparation for PSV examen (certified mushroom expert), Veronika Wähnert, Deutsche Gesellschaft für Mykologie (DGFM)
Since 02/2024	**PhD student** in the group Microbial Communication, Jena.Supervisors: Prof. Dr. Erika Kothe, Prof. Dr. Thorsten Schäfer.
04/2021-11/2023	**M.Sc. Biogeociences**, group Microbial Communication, Friedrich Schiller University Jena. Supervisors: Dr. Lea Traxler, Dr. Katrin Krause, Prof. Dr. Erika Kothe, Dr. Susanne Seidel, Prof. Dr. Thorsten Schäfer.
Since 2022	**Student assistant jobs,** Friedrich Schiller University Jena:
01/2023-03/2023	Assistant in group Microbial Communication, e.g. BLAST analysis
10/2022-12/2022	Bio-Geo-Interactions I (B.Sc. Biogeosciences Module), Tutoring
06/2022-08/2022	Assistant in group Microbial Communication, e.g. BLAST analysis
01/2022-02/2022	Bio-Geo-Interactions I (B.Sc. Biogeosciences Module), Tutoring

10/2017-12/2020	**B.Sc. Biology**, group Mycology, Biology Department, Philipps University Marburg. Supervisors: Dr. Karl-Heinz Rexer, Prof. Dr. Alfred Batschauer.
Since 2019	**Student assistant jobs,** Philipps University Marburg:
04/2020-07/2020	Mycology, Practical course of the advanced module.
10/2019-02/2020	Plant Physiology, Practical course of the advanced module.
04/2019-07/2019	Plant Physiology, Practical course of the basic module.
04/2019	**Course** Microscopy & Identification of Mushrooms (Andreas Gminder)
05/2017	**Course** Microscopy & Identification of Mushrooms (Andreas Gminder)

Publications

Theses:

- Petersen, L. (2023) Growth and Degradation capacities of *Schizophyllum commune*. Master thesis, Friedrich Schiller University Jena, 84 pages
- Petersen, L. (2020) Studies on specificity and competitive behaviour of species of the genus *Mycena*. Bachelor thesis, Philipps University Marburg, 63 pages