



Franz-Sebastian Krah

Curriculum Vitae

Currently

- 2015– **PhD Biology**, *Technical University of Munich (TUM), Ecology and evolution of wood-inhabiting fungi (in the Bavarian Forest National Park)*.
Supervision: Prof. Dr. Schäfer & Dr. Claus Bässler;
Funding: PhD scholarship by the Rudolf und Helene Glaser-Stiftung

Education

- 2013–2015 **Masters of Science - Biology**, *Technical University of Munich (TUM), with high distinction*.
Thesis: Pattern of host associations and dynamics of substrate switching in wood decay fungi using phylogenetic comparative methods and a mega-phylogeny of the Basidiomycota;
Supervision: Prof. Dr. David Hibbett & Prof. Dr. Hanno Schäfer
- 2010–2013 **Bachelor of Science - Forest Science and Ressource Management**, *Technische Universität München (TUM), Munich*.
Thesis: Forest fungal α and β -diversity: environmental factors and functional role of saprotrophic and ectomycorrhizal fungi in an unmanaged mature *Picea abies* stand
- 2008–2010 **Magister - Philosophy**, *Ludwigs-Maximilians-Universität (LMU), Munich, Majors: Analytical philosophy and Philosophy of language*.
Midterm exam passed with 1.0

Experience

Vocational


- July – Oct., **Freelancer**, *Bavarian Forest National Park, Grafenau*.
2013 Project BIOHOLZ, Fungal species identification based on macro- and micromorphology.
- Nov. – March, 2013 **Student Assistant**, *Technische Universität München (TUM), Munich, Chair for Ecophysiology of Plants*.

Awards

- Sept. 2016 1st prize poster session, 23rd Symposium on 'Biodiversity and Evolutionary Biology' of the German Botanical Society in Munich

☎ (+49) 1705221189 • ✉ franz.krah@tum.de • 🌐 mycolab.de
🐦 #Franz_Krah 🔄 FranzKrah

Computer skills

Basic Linux, GIS, SQL
Intermediate \LaTeX , GitHub, **Rcpp**
Advanced **R**, Inkscape, Microsoft Office
Software  FranzKrah

Conferences - Seminars - Presentations

- Nov. 2014 **Conference** Comparative Methods and their application in evolutionary biology. Seville, Spain
- Dec. 2015 **Seminar** Towards Sustainable Development in Harmony With Nature in "Crocker Range Biosphere Reserve (CRBR)". Kota Kinabalu, Sabah
- Jan. 2016 **Seminar** Improving your Intercultural Skill Set. Frauenchiemsee. Germany
- May 2016 **Poster** at the EMBO Practical Course on Computational Molecular Evolution on Crete
- Sept. 2016 **Oral** presentation at the Conference of the Deutsche Gesellschaft für Mykologie (DGfM) in Bernried
- Sept. 2016 **Poster** at the 23rd Symposium on 'Biodiversity and Evolutionary Biology' of the German Botanical Society. Munich.
- June 2017 **Oral** presentation at the Evolution meetings conference. USA, Portland.
- Oct. 2017 **Oral** presentation at the PhD-colloquium in Ecology. Technical University of Munich
- Nov. 2017 **Oral** presentation at the Bayerische Akademie für Naturschutz und Landschaftspflege, Hochschule Weihenstephan-Triesdorf.

Research Visits

- Feb. – March, 2014 Rooiklip Research Station, Namibia, Dr. Thomas Wagner
- Feb. – May, 2015 Clark University, Massachusetts, USA. Prof. Dr. David Hibbett
- Nov. – Dec., 2015 Institute for Tropical Biology and Conservation (ITBC), Universiti Malaysia Sabah. Dr. Jaya Seelan Sathiya Seelan

Languages

German Mothertongue
English fluent
French basic communication skills
Bengali basic communication skills

Interests

- My dog
- Squash
- Traveling
- Instrument (Tabla)

 (+49) 1705221189 •  franz.krah@tum.de •  mycolab.de
 #Franz_Krah  FranzKrah

- Meditation

Publications

Submitted

Boris A. Olou, Nourou S. Yorou, Manuel Striegel, Claus Bässler, **Franz-S. Krah**. Effects of macroclimate and resource on the diversity of tropical wood-inhabiting fungi (Submitted to *Biological Conservation*)

Under Review

Alexander Zarkov, Claus Bässler, **Franz-S. Krah**. Evaluation and comparison of active and passive spore sampling techniques: Single active air sampler underestimates rare taxa (Under review *Fungal Ecology*)

Published

Franz-S. Krah, Hanno Schäfer, Christoph Heibl, Claus Bässler, John Soghigian, David Hibbett. Evolutionary dynamics of host specialization in wood-decay fungi. 2018. (*BMC Evolutionary Biology*) 18:119

Franz-S. Krah, Sebastian Seibold, Roland Brandl, Petr Baldrian, Jörg Müller, Claus Bässler (2018). Independent effects of host and environment on the diversity of wood-inhabiting fungi. 2018. *Journal of Ecology* 106:1428-1442

Maria-Barbara Winter, Claus Bässler, Markus Bernhardt-Römermann, **Franz-S. Krah**, Hanno Schäfer, Sebastian Seibold, Jörg Müller. On the structural and species diversity effects of bark beetle disturbance in forests during initial and advanced early-seral stages at different scales. 2017. *European Journal of Forest Research* 136:357-373

Peer-review

- Fungal Ecology

- Web ecology

Supervisions

- S. Lenz research project (six weeks)
- E. Koc research project (six weeks)
- B. Ludl research project (six weeks)
- B. Ludl B.Sc. thesis (three months)
- T. Endriß M.Sc. thesis (six months)
- L. Schmid research project (six months)
- A. Zarcoc PhD student
- B. Olou PhD student from Benin (DAAD scholarship, 12 months)