

Prof. Dr. Bertrand Fournier

Personal Details

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Research Interests

Biodiversity pattern, ecological community assembly, microbial ecology, urban ecology, landscape ecology, functional traits

Education

2013	PhD in Ecology, University of Neuchâtel (Switzerland)
2009	Msc in Ecology and Conservation, University of Lausanne (Switzerland)
2007	Bsc in Biology, University of Lausanne (Switzerland)

Professional Experience

Since 2020	Junior Professor of Landscape Ecology, University of Potsdam
2019 – 2020	Scientific collaborators, University of Applied Sciences, Switzerland
2016 - 2019	Post-doctoral fellow, Concordia University, Montreal, Canada
2013 - 2016	Post-doctoral fellow, CNRS, France

Founding Activities (last 5 years, selected)

2023 - present	Plant and People in urban green spaces, PAPPUS. (SNF Switzerland, CRSII5_213584/1, PI)
2022 - present	Natural Hazards and Risks in a Changing World, NatRiskChange (DAAD-GSSP, GRK 2043/1, PI)

- 2021 - present Shifts in functional trait-based community structure across space and taxonomic groups – “FunShift” (DFG, FO 1420/1-1, Coordinator)
- 2020-2021 Impact of pesticide on soil microbial communities (FOEN Switzerland, PI)
- 2019 Impact of biopesticide on vineyard soil microbial communities (FOEN Switzerland, PI)

Scientific Services

Subject Editor for *Frontiers in Ecology and Evolution* + various guest

Professional Services

Member of the scientific council of the Potsdam University research station (Gülpe, 2020-present), member of Institute of Environmental Sciences and Geography committee (UP, 2020-present), Founding member of the International Society for Testate Amoeba Research

Awards, Nominations, Special Appointments (selected)

Excellence Award from the Quebec Biodiversity Science Center, Louis Paris award for outstanding PhD thesis in ecology, Interacademic Commission for Alpine Studies (ICAS) young researcher encouragement award

Publications (selected)

1. A. K. Hahs, **B. Fournier**, M. F. J. Aronson, C. H. Nilon, A. Herrera-Montes, A. Salisbury, et al. Urbanisation generates multiple trait syndromes for terrestrial taxa worldwide. *Nature Communication*. NCOMMS-23-01348A. (In press).
2. J. Casanelles-Abella, S. Fontana, E. Meier, M. Moretti, **B. Fournier**, Spatial mismatch between wild bee diversity hotspots and protected areas. *Conservation Biology*, e14082. DOI: 10.1111/cobi.14082, (2023).
3. **B. Fournier**, S. Pereira Dos Santos, J.A. Gustavsen, G. Imfeld, F. Lamy, E.A.D. Mitchell, M. Mota, D. Noll, C. Planchamp, T.J. Heger, Impact of a synthetic fungicide (fosetyl-Al and propamocarb-hydrochloride) and a biopesticide (*Clonostachys rosea*) on soil bacterial, fungal, and protist communities. *Science of the Total Environ.* **738**, 139635, (2020).
4. **B. Fournier**, H. Vázquez-Rivera, S. Clappe, L. Donelle, P.H.P. Braga, P.R. Peres-Neto, The spatial frequency of climatic conditions affects niche composition and functional diversity of species assemblages: the case of Angiosperms. *Ecology Letters* **23**, 254-264, (2020).
5. **B. Fournier**, D. Frey, M. Moretti, The origin of urban communities: From the regional species pool to community assemblages in city. *Journal of Biogeography* **47**, 615-629, (2020).