

Sören Eliot Weber

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Education and Training

2022 University of Zürich, Plant Sciences, PhD
2017 University of California, Riverside, Plant Biology, M.S.
2014 University of Central Florida, Biology *summa cum laude*, B.S.

Research and Professional Experience

2022-Present Postdoctoral Research Associate, Oak Ridge National Laboratory
2018-2022 Doctoral Candidate, Inst. for Evo. Biology and Enviro. Sci., University of Zürich
2017-2018 Laboratory Manager, Spasojevic Lab, University of California, Riverside

Recent Publications

1. Plant functional traits are dynamic predictors of ecosystem functioning in variable environments. Huxley, Jared D., Caitlin T. White, Hope C. Humphries, **Sören E. Weber**, Marko J. Spasojevic. *Journal of Ecology*. *Accepted as of July 19, 2023*.
2. Variation in $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ within and among plant species in the alpine tundra. Spasojevic, Marko J. & **Sören Weber**. *Arctic, Antarctic, and Alpine Research*, 53:1, 340-351, 2021
3. Belowground impacts of alpine woody encroachment are determined by plant traits, local climate, and soil conditions. Collins, Courtney G., Marko J. Spasojevic, Concepción L. Alados, Emma L. Aronson, Juan C. Benavides, Nicoletta Cannone, Chatrina Caviezel, Oriol Grau, Hui Guo, Gaku Kudo, Nikolas J. Kuhn, Jana Müllerová, Michala L. Phillips, Nuttapon Pombubpa, Frédérique Reverchon, Hannah B. Shulman, Jason E. Stajich, Alexia Stokes, **Sören E. Weber**, Jeffrey M. Diez. *Global Change Biology*, 26:12, 7112—7127, 2020
4. Plant biomass, not plant economics traits, determines responses of soil CO₂ efflux to precipitation in the C4 grass *Panicum virgatum*. Heckman, Robert W, Albina R Khasanova, Nicholas S Johnson, **Sören Weber**, Jason E Bonnette, Michael J Aspinwall, Lara G Reichmann, Thomas E Juenger, Philip A Fay, Christine V Hawkes. *Journal of Ecology*, 108:5, 2095—2106, 2020
5. The influence of warming and biotic interactions on the potential for range expansion of native and nonnative species. Von Holle, Betsy, **Sören E Weber**, David M Nickerson, *AoB Plants*, 12:5, *plaa040*, 2020
6. Responses of arbuscular mycorrhizal fungi to multiple coinciding global change drivers. **Weber, Sören Eliot**, Jeffrey M Diez, Lela V Andrews, Michael L Goulden, Emma L Aronson, Michael F Allen, *Fungal Ecology*, 40, 62—71, 2019
7. Fungal community assembly in soils and roots under plant invasion and nitrogen deposition. Phillips, Michala L, **Sören E Weber**, Lela V Andrews, Emma L Aronson, Michael F Allen, Edith B Allen, *Fungal Ecology*, 40, 107—117, 2019
8. Shrub range expansion alters diversity and distribution of soil fungal communities across an alpine elevation gradient. Collins, Courtney G, Jason E Stajich, **Sören E Weber**, Nuttapon Pombubpa, Jeffrey M Diez, *Molecular Ecology*, 27, 10, 2461—2476, 2018

Graduate and Post-Doctoral Advisors:

Colleen M. Iversen, Environmental Sciences Division, Oak Ridge National Laboratory, Oak Ridge TN
Pascal A. Niklaus, Evolutionary Biology and Environmental Sciences, University of Zürich, ZH CH
Jeffrey M. Diez, Botany & Plant Sciences, University of California, Riverside, Riverside CA
Michael F. Allen, Center for Conservation Biology, University of California, Riverside, Riverside CA

Society Memberships

Ecological Society of America	since 2012
International Mycorrhiza Society	since 2022
National Postdoc Association	since 2023