

Rebecca Oester

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Research interests

Studying macro- and microinvertebrates from streams, rivers and lakes all over Europe, I have developed a particular interest in community ecology and ecosystem processes in aquatic systems

I am interested in how these communities and processes react to different abiotic and biotic stressors at different scales and different biomes

Education

2022-present	University of Zurich, PhD in aquatic ecology Title: "Effects of land use on aquatic ecosystem processes" Supervision: Prof. Florian Altermatt and Dr. Andreas Bruder
2018-2020	ETH Zurich, Teaching certification in environmental sciences
2017-2020	ETH Zurich, MSc environmental sciences Major: Ecology and evolution Thesis: "The influence of fish community on photoprotective compounds of copepods" Supervision: Dr. Blake Matthews Internship at gutwasser GmbH: "Macroinvertebrates in the Vjosa river network"
2014-2018	ETH Zurich, BSc Environmental Sciences Major: Environmental biology Thesis: "Vegetative and sexual reproduction of <i>Ranunculus ficaria</i> as influenced by different environmental factors" Supervision: Dr. Sabine Güsewell
2016	Lancaster University, Exchange semester with SEMP/ERASMUS

Research experience

2019	Eawag Kastanienbaum, fish ecology and evolution: Research assistant
2017-2019	Eawag Dübendorf, aquatic ecology: Lab assistant
2018	WSL Birmensdorf, social sciences in landscape research: Field assistant
2017-2017	WSL Birmensdorf, scientific service NFI: Field assistant
2012	WSL Birmensdorf: Internship

Publications

2022	Oester, R. , Greenway, R., Moosmann, M., Sommaruga, R., Tartarotti, B., Brodersen, J., Matthews, B. (2022). The influence of predator community composition on photoprotective traits of copepods. <i>Ecology and Evolution</i> , 12, e8862. https://doi.org/10.1002/ece3.8862 .
2021	Oester, R. , Frei, A., Birnstiel, E. (2021). Erstfund von <i>Potamophilus acuminatus</i> (Fabricius, 1792) für die Schweiz (Coleoptera, Elmidae). <i>Entomo Helvetica</i> , 14, 141-144.

Awards

2021	SEFS12 (Symposium for European Freshwater Sciences) Most active participation
2019	CEEB (Centre of Ecology, Evolution and Biogeochemistry) Best poster presentation

Teaching experiences

2021	Eawag Dübendorf: Aquatic ecology
2020-2021	University of Zurich: Animal behaviour
2020	High school Luzern: Biology
2018-2020	ETH Zurich: Vegetation ecology

Skills

Languages	German:	First language	Tools	RStudio	Other skills/ Hobbies	Driver's licence B
	English:	Excellent		ArcGIS		Scuba diving
	French:	Conversational		Geneious		Hiking
	Spanish:	Conversational		Matlab		Skiing
	Dutch:	Conversational		imageJ		Boardgames
	Italian:	Conversational				

Referees (Available on request)

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