MARIA STOCKENREITER

ABOUT

Maria Stockenreiter is an aquatic ecologist specializing in experimental analyses of freshwater and marine plankton ecology.
Since 2014, she is Akademische Rätin in Aquatic Ecology at LMU Munich. Her research focuses on the interplay between trait diversity and ecological dynamics within plankton communities. She is the scientific coordinator of the Seeon Limnological Station (SLS), a key member of the AQUACOSM network, which includes Europe's leading aquatic mesocosm facilities. She has led several projects funded by the German Research Foundation (DFG) and co-led a Horizon 2020 EU project. In addition to her research, Maria Stockenreiter is actively engaged in teaching at both undergraduate and graduate levels at LMU Munich. She offers courses in ecology, aquatic ecology, experimental plankton ecology, and grant writing, while also supervising undergraduate and graduate research projects at the Seeon Limnological Station. Furthermore, she serves as an ambassador for the International Society of Limnology (SIL), contributing to the global scientific community.

WHAT TO TELL STUDENTS

„Stay open-minded and find a field you love, along with an inspiring mentor!"

CV TIMELINE

2007
Undergraduate studies
Diplom in Biology at LMU

2008-2012
PhD at LMU
Project: Ecological optimization of biomass and lipid production by microalgae.

2011
Research Assistant
at SYKE Finnish Environment Institute, Helsinki, Finland

2013-2014
Post Doc
at Kellog Biologigal Station, Michigan State University, USA

since 2014
Akademische Rätin
and scientific coordinator of the Seeon Limnological Station

2014-2022
PI
in DFG Priority program DynaTrait

2015
ongoing Member of the admissi-on board of EES Masters program

2016-2024
Co-lead
in EU H2020 Project Aquacosm-plus

since 2018
Ambassador
SIL

since 2024
PI
DFG Forscher-gruppe DynaSym

KEY EXPERIENCE

Coordinating a research station embedded within an internationally active consortium allowed me to collaborate with scientists from a wide range of disciplines. This achievement was made possible through the guidance of an exceptional mentor and the support of a fantastic EU project.

MAJOR SCIENTIFIC FINDING

Diversity in phytoplankton is a very important aspect. It is crucial for the stability and functioning of an ecosystem. The rapid changes in our environment significantly affect this vital community. Experimental studies using mesocosms are an important tool for investigating such dynamics in the field. We have been able to show that as global change alters lake physics and the associated underwater light climate in lakes can trigger cyanobacterial blooms even at low water temperatures influencing ovrall diversity in the phytoplankton community.