

# Surface Waters - Seminars Spring Semester 2021

Time **11.00 - 12.00am**  
Location **Zoom**, contact [remika.gupana@eawag.ch](mailto:remika.gupana@eawag.ch) to receive access data

Monday, 22.02. **Resistance, Resilience and stability of anammox bacteria in full-scale wastewater treatment – “Still a lot to learn”**  
Dr. Robert Niederdorfer  
Dept. of Surface Waters, Eawag Kastanienbaum

Monday, 01.03. **PhD Defence: Nitrogen cycling in Lake Tanganyika and its traces in the pelagic food web under contrasting hydrodynamic conditions\***  
Benedikt Ehrenfels  
Dept. of Surface Waters, Eawag Kastanienbaum  
*\*starts at 10:00 - Zoom link will be provided separately*

Monday, 08.03. **Ecoacoustics – Opportunities and Limitations**  
CEEB Seminar  
Marcus Maeder  
Department of Environmental Systems Science (D-USYS),  
ETH Zurich and  
Institute for Computer Music and Sound Technology,  
Zurich University of the Arts  
*Host: Nico Bätz*

Monday, 15.03. **Manipulating Treatments, Water Chemistry, and System Design to Limit Proliferation of Pathogens and Antibiotic Resistance in Water Systems: A Microbiome Perspective**  
Prof. Dr. Amy Pruden  
Dept. of Civil and Environmental Engineering,  
Virginia Tech  
*Hosts: Helmut Bürgmann and Jangwoo Lee*

Monday, 22.03. **Endosymbiont provides energy for anaerobic ciliate through denitrification**  
CEEB Seminar  
Dr. Jon Graf  
Dept. of Biogeochemistry, Max Planck Institute  
for Marine Microbiology  
*Host: Carsten Schubert*

Monday, 29.03.

**Remote sensing of phytoplankton in clear and tea-stained lakes**

Dr. Evangelos Spyarakos and Mortimer Werther  
Dept. of Biological and Environmental Sciences,  
University of Stirling  
*Host:* Daniel Odermatt

Monday, 12.04.

**Unraveling riverine antibiotic resistance: A Swiss perspective**

Jangwoo Lee  
Dept. of Surface Waters, Eawag Kastanienbaum

Monday, 19.04.

CEEB Seminar

**Global remotely sensed phenology of Blue-Green Ecosystems**

Dr. Jelle Lever  
Dept. of Surface Waters, Eawag Dübendorf and  
Ecosystem Ecology Group, WSL Birmensdorf

Monday, 26.04.

**Exploiting Our Data: Acute Toxicity Prediction and Plankton Identification**

Dr. Marco Baity Jesi  
Dept. of Systems Analysis, Integrated Assessment  
and Modelling, Eawag Dübendorf  
*Host:* Damien Bouffard

Monday, 03.05.

**Lateral transport of dissolved gases by cooling-driven density currents in a small temperate lake**

Tomy Doda  
Dept. of Surface Waters, Eawag Kastanienbaum

Monday, 10.05.

**Easy-Lakes? First results from the ISIMIP lake sector**

Prof. Dr. Wim Thiery  
Dept. of Hydrology and Hydraulic Engineering,  
Vrije Universiteit Brussel  
*Hosts:* Martin Schmid and Damien Bouffard

Monday, 17.05.

CEEB Seminar

**The importance of riverine sediment transport for habitat integrity, refugia and ecological diversity**

Dr. Kate Mathers  
Department of Geography and Environment,  
Loughborough University  
*Host:* Christine Weber

Monday, 07.06.

**Substrate and oxygen effects on methanogenesis**

Dr. Sigrid van Grinsven  
Dept. of Surface Waters, Eawag Kastanienbaum