



UNIVERSITÀ DI PAVIA

Corso di Dottorato in Scienze della Terra
e dell'Ambiente

Stable Isotopes in Freshwater Ecology



Dr. Fabio Ercoli

Researcher, Estonian University of Life Sciences, Estonia

Visiting Researcher, University of Jyväskylä, Finland

from 21st to 25th February 2022

Course overview

- Introduction to stable isotopes
- Stable Isotopes Analyses (SIA) in freshwater ecology
- Diets and trophic level of freshwater consumers
- Samples preparation for SIA
- Laboratory
- Use of SIBER (Stable Isotopes Bayesian Ellipses in R) and MixSIAR (Mixing models Stable Isotopes Analyses in R) models as tools to quantify trophic niches and predator-prey trophic relationships in an ecosystem

Prerequisites

The course is aimed at biologists and ecologists, PhD students, postdocs and researchers who are interested in the application of stable isotopes method for quantifying food webs and trophic relationships in an ecosystem. Basic to moderate knowledge in R is requested.

The course will be held either in English or Italian according to nationalities of students/researchers.

For information and registration please send e-mail to phd-dsta@unipv.it