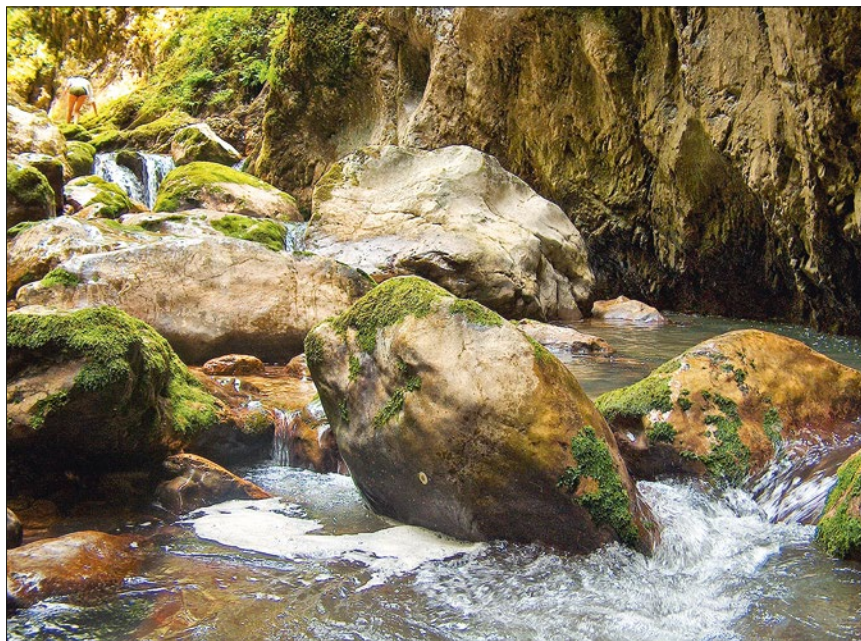


Freshwater Ecology Lab

Freshwater, Ecology, Biology, Hydromorphology, Modelling, Plants

Research in our Lab applies novel approaches in plant comparative ecology to give insights into patterns and processes underlying plant function at multiple scales, focused primarily on freshwater ecosystems. Our lab conducts pioneering research on the ecological functioning of lake and river ecosystems, GIS and remote sensing in environmental engineering, protocols for monitoring rivers and lakes for conservation and, most recently, ANN data modelling. Taking a whole of catchment approach to freshwater ecology, our researchers have the expertise to study the holistic ecology of ecosystems, restoration and management. One of the most recognizable international activities is 15-year long work within CEN, the European Committee for Standardization (TC 230 Technical Committee on 'Water Analysis' in biology, ecology and hydromorphology), developing, producing and applying European standards for monitoring aquatic environments, directly applicable to work on EU directives, especially to help meet the monitoring requirements of the EC Water Framework Directive. The group has strong research ties to the Faculty of Technical Sciences UNS and Faculty of Sciences University of Nis, Serbia.



COLLABORATIONS

- University of Southern Mississippi (USA), host lab for Fulbright scholar Profesor Mac Alford, including common publications
- FBA (Freshwater biological Association UK), Profesor Philip Boon, external research advisor and common publications
- KWR Water Institute Delfts (The Netherlands), Profesor Dragan Savic, external research advisor.

CONTACT PERSON

Dr Snežana Radulović, Full Professor; snezana.radulovic@dbe.uns.ac.rs; +381607012212

SELECTED PROJECTS

Title: *Joint Danube Survey 4, ICPDR (International Commission for the Protection of the Danube River)*

Type: Research

Duration: 2019-2021

Contact person:

Dr Momir Paunović, BU

Title: *Biosensing Technologies and Global System for Long-Term Research and Integrated Management of Ecosystems*, MNTR 043002

Type: Research

Duration: 2010-2019

Contact person: Dr Saša Orlović, UNS

Title: *FP7 SOLUTIONS (for present and future emerging pollutants in land and water resources management)*

Type: Research

Duration: 2015-2017

Contact person: Dr Ivana Teodorović, UNS, Dr Werner Brack, Germany



SELECTED EQUIPMENT

- Trimble Nomad GPS mobile computer