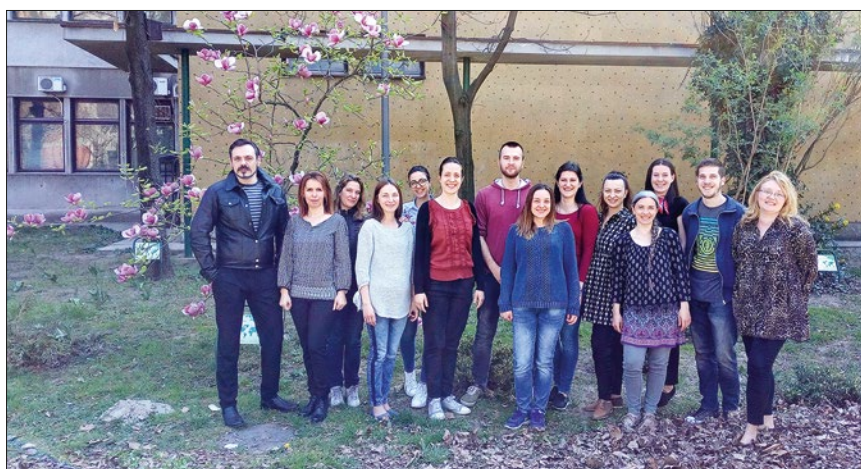


Laboratory of Microbiology

microbiology, cyanobacteria, mycology, bacteriophages

Our microbiology group is currently focusing its research on the following topics: microbiological quality of surface water, groundwater and wastewater, ecophysiology of microorganisms, bioremediation, water toxicology with special emphasis on cyanotoxins, biodiversity protection of microorganisms, biotechnological application of microorganisms and their bioactive metabolites, conventional and alternative antimicrobial agents, microbial biofilms, bacteriophage biology and the potential for their application in different areas. Group members: Assoc. Professors: Jelica Simeunović PhD, Maja Karaman PhD, Petar Knežević PhD, Research Associate Ivica Tamaš PhD; Assistants: Verica Aleksić Sabo PhD, Dajana Blagojević PhD, Milana Rakić MSc, Dragana Tamindžija MSc; Research Trainees: Jelena Narančić MSc, Isidora Nikolić MSc, Petar Davidović MSc, Jovana Marić MSc, Damir Gavrić MSc, Ana Volarić MSc; Expert assistant Miloš Bokorov; Lab technician Sanda Savić and Full Professor Dragan Radnović PhD.



COLLABORATIONS

- Laboratory of Gene Technology, KU Leuven, Belgium
- University of Applied Sciences and Arts Northwestern Switzerland, Muttenz, Switzerland
- Department of Agricultural and Food Sciences, University of Bologna, Bologna, Italia
- Institute of Molecular Biology, Slovak Academy of Sciences, Bratislava, Slovakia
- Ruđer Bošković Institute, Croatia
- Department of Biotechnology, University of Szeged, Hungary

SELECTED EQUIPMENT

- Thermocycler T Professional Biometra
- Compact M Gel Electrophoresis System Biometra
- Gel Imaging and Documentation Systems Biometra
- Fluorescence Microscope Olympus BX51,
- Thermo Scientific™ Multiskan™ FC Microplate Photometer
- Deep freeze Brunswick Scientific
- Freeze Dryer ALPHA 2-4LDplus SELECT-ED

CONTACT PERSON

Dr Dragan Radnović, Full Professor; dragan.radnovic@dbe.uns.ac.rs; tel. +381.21.4852678

SELECTED PROJECTS

Title: „Novel Natural Antimicrobial Agents for Bacterial Pathogen Control“ (NNAA; HUSRB/1203/214/250) implementing in the frame of IPA CBC Programme Hungary-Serbia.

Type: Scientific project

Duration: 2013-2014

Contact person: Dr Petar Knežević

Title: „Identification and characterization of cyanobacterial toxins based on their interaction with basic cellular detoxification systems in zebrafish (*Danio rerio*) and zooplankton (*Daphnia magna*)“

Type: Scientific project financed by Swiss National Science Foundation.

Duration: 2014-2017

Contact persons: Dr Karl Fent, Dr Tvrtko Smital and Dr Jelica Simeunović (Switzerland, Croatia, Serbia)

Title: „The role of metal homeostasis, reduction and sporulation in the metal resistance of Gram-positive bacteria“

Type: Scientific project financed by Swiss National Science Foundation.

Duration: 2014-2017

Contact persons: Dr Rizlan Bernier-Latmani, Dr Imrich Barak and Dr Dragan Radnovic (Switzerland, Slovakia, Serbia)

