

Interreg



Co-funded by
the European Union

IPA Hungary - Serbia

Microplastics

MICROPLASTIC Project

together with

Water Workshop 2025



WW2025, 17-19. September 2025.

ORGANIZERS



Educational center for environmental protection
EDEN

University in Novi Sad

Faculty of Sciences

Department of Chemistry, Biochemistry and
Environmental Protection

Foundation "Doc. dr. Milena Dalmacija"

Project-MICROPLASTIC, Interreg VI-A of the
Hungary-Serbia IPA Program 2021-2027



INFORMATION

We inform you that the twenty-eight **Water Workshop**, entitled "WATER QUALITY" will be held from 17-19. September 2025.

The following topics have been selected for this year:

- **Drinking water and health**
- **The best available techniques and preventive measures in environmental protection - a step towards a sustainable industry**
- **Microplastics around us**

As part of WaterWorkshop 2025, a CPD course will be organized under the topic

- **Municipal WWTP management – from process to sustainability and benefits**

and STUDENT section

- **What do you know about microplastics?**



ABOUT THE PROJECT

Minimizing CROssborder water contamination of microPLASTICS – MICROPLASTICS

The project “Minimizing CROssborder water contamination of microPLASTICS - MICROPLASTICS” is funded through the Interreg VI-A IPA Hungary-Serbia programme 2021-2027, co-financed by the European Union.

The project consortium consists of the following partners:

- Lead Beneficiary – Institute of Public Health of Vojvodina, Novi Sad
- Public Health Institute Sombor, Sombor
- Fund for European Affairs and Development of the Autonomous Province of Vojvodina, Novi Sad
- University of Public Service, Budapest.

The overall objective of the project is to enhance environmental protection and reduce pollution by identifying sources of microplastics and mitigating their presence in the water ecosystems within the cross-border area of Bačka and Baja.

This will be achieved through the sampling and identification of pollutants, as well as the development of models, measures, and tools aimed at reducing microplastic contamination in water ecosystems. At the same time, the project aims to raise public awareness about the microplastics problem in the cross border region.

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Microplastics around us

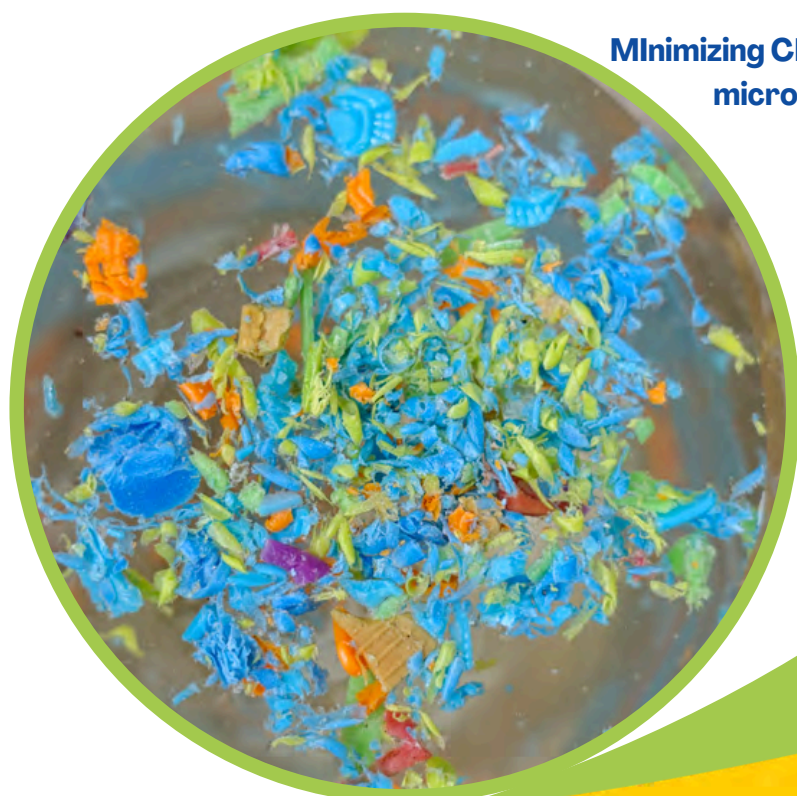
Microplastics represent an escalating threat to both the environment and public health. These tiny plastic particles are widely dispersed throughout ecosystems and have been detected in water, rain, ice, soil, air, food, and even in the organs and bodily fluids of both humans and animals. While the effects of microplastics on marine organisms have been extensively studied, their impact on other ecosystems and on human health remains insufficiently understood.

The danger of microplastics lies not only in their physical presence, but also in their chemical and biological effects. As they degrade, microplastics can release monomers, oligomers, additives, microorganisms, toxins, and other hazardous substances into the environment, further contributing to pollution and posing potential health risks.

Most existing research has focused on aquatic environments. However, since the water cycle transcends national borders, addressing this issue effectively requires coordinated, intersectoral, and cross-border collaboration. Current sampling and analysis techniques vary, standardized norms have yet to be clearly defined, and much remains unknown about the complex interactions between microplastics, ecosystems, and human health.

Despite these challenges, efforts are increasingly directed toward developing preventive measures aimed at reducing microplastic emissions into the environment and protecting public health.

**Minimizing CROssborder water contamination of
microPLASTICS – MICROPLASTICS**



STUDENT SECTION

What do you know about microplastics?

Students will take part in an interactive quiz, created using web tools, focused on identifying sources of microplastics in the environment, sampling methods, data analysis and interpretation, and the assessment of their impact on the environment and human health.

As part of the activity, students will also propose preventive measures aimed at reducing microplastic emissions into the environment.

The quiz results, along with the proposed preventive measures, will be reviewed and presented during the session. The most outstanding contributions, selected by an expert jury, will be highlighted in the project documentation.

**Minimizing CROssborder water contamination of
microPLASTICS – MICROPLASTICS**



PROGRAM

Thursday, 18.09.2025.

Chamber of Commerce and Industry of Vojvodina, Braće Popović 5, Novi Sad 21000

Time	Lecture schedule
8:00-9:00	Registration of participants and welcome coffee
9:00-9:15	Sanja Bijelović (UNSMF, IZJZV, RS): Pozdravna reč i predstavljanje projekta Microplastics Welcome speech and presentation of the Microplastics project
9:15-10:15	Tema 1: Izvori i transport mikroplastike u okruženju; uticaju mikroplastike na životnu sredinu i zdravlje ljudi; Međunarodno i nacionalno zakonodavstvo Topic 1: Sources and transport of microplastics in the environment; the impact of microplastics on the environment and human health; International and national legislation Aleksandra Tubić (UNSPMF, RS): Zagađenje mikroplastikom: uticaj na životnu sredinu, rizici po ljudsko zdravlje i uloga zakonodavstva Microplastic pollution: Environmental pathways, human health risks, and the role of legislation Izabella Babcsanyi, Viktoria Blanka (University of Szeged, Hungary): Izvori i transport mikroplastike u zemljištu i vodi Sources and transport of microplastics in soil and freshwater systems
10:15-10:45	Pause

- The organizers reserve the right to change the program.



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Time	Lecture schedule
10:45-12:30	<p>Tema 2: Praćenje mikroplastike u uzorcima životne sredine – od uzorkovanja do pouzdanih rezultata <i>Topic 2: Micropalstics in environment – from sampling to valid results</i></p> <p>Zsolt Nemet (<i>Ludovika University of Public Services, Faculty of Water Sciences, Hungary</i>): Metode za određivanje mikro i nanoplastike u površinskoj vodi The most effective tools for detecting micro- and nanoplastics in surface waters</p> <p>Bordos Gabor (<i>Eurofins Environment Testing Hungary Kft, Hungary</i>): Uzorkovanje i analiza mikroplastike – prikaz projekata MicroDrink i PlasticDustSloud Microplastic sampling and analysis in the MicroDrink and PlasticDustCloud projects</p> <p>Maja Krstic Ristivojevic (<i>UBHM, RS</i>): Napredne metode za procenu interakcije proteina i mikroplastike u simularnim intestinalnim uslovima Advancing methodologies for assessing protein–Microplastic interactions in simulated intestinal environments</p>
12:30-13:00	Quiz for students
13:00-14:00	Lunch

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Thursday, 18.09.2025.

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Time	Lecture schedule
14:00-15:00	<p>Tema 2 (nastavak): Praćenje mikroplastike u uzorcima životne sredine – od uzorkovanja do pouzdanih rezultata Topic 2 (continuation): Micropalstics in environment – from sampling to valid results</p> <p>Aleksandra Tubić (UNSPMF, RS): Monitoring mikroplastike u vodi i sedimentu Dunava - Pristup projekata UPSTREAM i SUNDANCE Monitoring of microplastics in water and sediments of the Danube - UPSTREAM and SUNDANCE project approach</p> <p>Galina Ćurčić (UEFZZS, RS): Nesigurnosti u tumačenju rezultata i kvantifikaciji mikroplastike u poljoprivrednom zemljištu Uncertainties in data interpretation and microplastics quantification in agricultural soil</p> <p>Maja Petrović, Mladenka Novaković, Dušan Milovanović, Dejan Ubavin (UNS, DEEOSH, RS): AQUATIC PLASTIC i TIDY UP u funkciji unapređenja znanja o mikroplastici AQUATIC PLASTIC and TIDY UP in the function of advancing knowledge on microplastics</p> <p>Vesna Dikanović (UBIBISS, RS): Problem zagađenja plastikom u vodenim ekosistemima – pristup projekta ADRIAPLAST The problem of plastic pollution in aquatic ecosystems - the approach of the ADRIAPLAST project</p>

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Time	Lecture schedule
15:00-15:30	<p>Tema 3: Smanjenje količine mikroplastike u životnoj sredini Topic 3: Reducing the amount of microplastics in the environment</p> <p>Gabor Keve (LUPS, Hungary): Uloga i istraživački rad mađarskih partnera u istraživanju mikroplastike u projektu HUSRB/23R/12/089 project The role and research work of Hungarian partners in the HUSRB/23R/12/089 project</p> <p>Stanka Bobić (IZJZV, RS): Predlozi mera za smanjenje količine mikroplastike u životnoj sredini Measures for reducing the amount of microplastics in the environment</p>
15:30-15:45	Quiz for students
15:45-16:00	Closing of the day dedicated to the Microplastic project

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DATE AND VENUE

September, 2025

12

Filling in the application form*

17-19



Venue



Chamber of Commerce and Industry of
Vojvodina, Braće Popović 5, Novi Sad
21000



Application forms are available on
the Water Workshop website
<http://www.waterworkshop.pmf.uns.ac.rs/#najave>



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