

2nd TwiNSol-CECs Summer School on
Innovative Technologies for Water Treatment: Removal of
Micropollutants with Contaminants of Emerging Concern in Focus
University of Novi Sad, Faculty of Technology Novi Sad (TFNS)
08-12 June 2024

Timetable

| Date | Topic of the lectures | Practical exercises | Social event |
|-----------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 7 June 2024 Friday | Arrival of the grantholders | | |
| 8 June 2024 Saturday | Welcome and greetings by the host, Presentation of TwiNSol-CECs | Introduction of the attendees – “ice breaker” session | Breaks with refreshments and lunch Organized city tour |
| 9 June 2024 Sunday | Theoretical lessons | / | Breaks with refreshments Welcome Dinner |
| 10 June 2024 Monday | Theoretical lessons | Practical lessons | Breaks with refreshments and lunch |
| 11 June 2024 Tuesday | Theoretical lessons | Practical lessons | Breaks with refreshments and lunch |
| 12 June 2024 | Theoretical lessons | Final presentations of the attendees (to be confirmed)/questionnaire | Breaks with refreshments Closing Ceremony with the Certificate Awarding |
| | Departure of the grantholders | | |

Agenda

Saturday – 8 June, 2024

- 10:00 – 10:30 Registration
- 10:30 – 10:40 Biljana Pajin, Dean, TFNS – **Welcome speech**
- 10:40 – 10:55 Zita Šereš, Chair of the Summer School, TFNS – **About the Summer School**
- 10:55 – 11:25 Nataša Djurišić Mladenović, Coordinator of TwiNSol-CECs, TFNS – **Horizon Europe twinning projects – TwiNSol-CECs from application to implementation**
- 11:25 – 12:00 Igor Antić, TFNS - **Contaminants of emerging concerns- What is it all about?**
- 12:00 – 13:00 *Lunch with coffee*
- 13:00 – 14:00 “Ice breaker” session – introduction of the attendees (5 minute-ppt presentation per attendee)
- 18:00 – 20:00 *Organized city tour*

Sunday – 9 June, 2024

- 9:30 – 10:00 Registration
- 10:00 – 10:45 Joao Crespo, NOVA School of Science and Technology, NOVA University Lisbon – **Fundamentals of Membrane Processes in Water Treatment**
- 10:50 – 11:35 Vanessa Pereira, Institute of Experimental and Technological Biology, NOVA University Lisbon – **Advanced Technologies for Water Treatment and Reuse: UV Photolysis, Oxidation Processes, and Membrane Filtration**
- 11:40 – 12:40 *Coffee break with refreshments*
- 12:40 – 13:25 Szabolcs Kertesz, Faculty of Engineering, University of Szeged – **Potential strategies for reducing fouling in low-pressure membrane systems**
- 18:00 – 21:00 *Welcome dinner (timing to be confirmed)*

Monday – 10 June, 2024

- 9:30 – 10:00 Registration
- 10:00 – 10:45 Vesna Vasić, TFNS – **Heavy metal pollution in the aquatic environment: sources and effects**
- 10:45 – 11:30 Dragana Lukić, TFNS – **Heavy metal pollution in the aquatic environment: Biosorption as a solution and its challenges**
- 11:30 – 12:00 *Coffee Break*
- 12:00 – 12:30 Petar Pižurica, Wastewater treatment plant, PUC Subotica Waterworks and Sewerage – **Wastewater treatment in the City of Subotica**
- 12:30 – 13:30 *Lunch*
- 13:30 – 16:00 Practical lessons

Tuesday – 11 June, 2024

- 9:30 – 10:00 Registration
- 10:00 – 10:30 Sanja Panić, TFNS - **Historical development of carbon (nano)materials and their catalytic applications for the removal of contaminants of emerging concern from wastewater**
- 10:30 – 11:00 Mirjana Petronijević, TFNS – **Utilization of enzyme-based biocatalytic processes for CECs removal from water**
- 11:00 – 11:30 *Coffee Break*
- 11:30 – 12:00 Sanja Panić, TFNS – **Design and synthesis of carbon-based heterogeneous catalysts as persulfate activators for the removal of contaminants of emerging concern from wastewater**
- 12:00 – 12:30 Aleksandra Mišan, Institute of Food Technology in Novi Sad – **The employment of microalgae in nutrients and pollutants removal from wastewater**
- 12:30 – 13:30 *Lunch*
- 13:30 – 16:00 Practical lessons

Wednesday – 12 June, 2024

- 9:30 – 10:00 Registration
- 10:00 – 10:45 Ferenc Kiss, TFNS - **Life cycle assessment of advanced wastewater treatment technologies**
- 10:45 – 11:30 Presentation of the attendees (to be confirmed)
- 11:30 – 12:30 *Coffee with refreshments*
- 12:30 – 12:45 Questionnaire on the School organization
- 12:45 – 13:00 Certificates award
- 13:00 – 13:15 School Wrap-up

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