

1st TwiNSol-CECs Workshop

Advance multicomponent analyses and novel solutions for protection of environmental resources with contaminants of emerging concern in focus

University of Novi Sad, Faculty of Technology Novi Sad (TFNS), Novi Sad, Serbia,
20-21 October 2022

Agenda

20 Oct 2022

9,00-15,00 Registration at the Faculty of Technology Novi Sad, Entrance Hall (Bulevar cara Lazara 1)

**Joint morning session of the 1st TwiNSol-CECs Workshop and 2nd ICAPP,
University of Novi Sad Rectorate building, Amphitheater (Dr Zorana Đindića 1)**

10,45-12,00 Official opening

Plenary lectures

12,00-12,30 João G. Crespo: **Membranes in Bioprocessing**

12,30-13,00 *Coffee break*

13,00-13,30 Marinella Farré, Marta Llorca, Katerina Savva, Albert Vega: **The challenge of assessing contaminants of emerging concern in the environment**

13,30-14,00 *TwINSol-CECs Networking with coffee* – Exploring further project endeavours

14,00-15,00 *Lunch break*

Afternoon session, Faculty of Technology, Blue Hall (Bulevar cara Lazara 1)

Invited lectures on TWINNING projects in domain of environmental research

Chairs: Vladimir Beškoski and Nataša Đurišić-Mladenović

- 15,00-15,20 Nataša Đurišić-Mladenović, Zita Šereš, Biljana Pajin, Jelena Živančev, Nikola Maravić, Igor Antić, TFNS: **Twinning for excellence in protection of environmental resources: TwiNSol-CECs**
- 15,20-15,40 Biljana Basarin, Faculty of Science, Novi Sad: **EXTREMECLIMTWIN – Extremely important linking for excellence in hydroclimate research**
- 15,40-16,00 Snežana Maletić, Faculty of Science, Novi Sad: **Twinning excellence on organic soil amendments effect on nutrient and contaminant dynamics in the subsurface, TwinSubDyn**
- 16,00-16,20 Vladimir Beškoski, Faculty of Chemistry, Belgrade: **Twinning to address the PFAS challenge in Serbia – PFASwin**
- 16,20-16,35 *Coffee break*
- 16,35-16,55 Đurđa Kerkez, Faculty of Science, Novi Sad: **Twinning for smart water – thinking and rethinking wastewater management in circular economy frame (SmartWaterTwin)**
- 16,55-17,15 Dragana Miladinović, Ankica Kondić-Špika, Tijana Zeremski, Sandra Cvejić, Sonja Gvozdenac, Boško Dedić, Siniša Jocić, Aleksandra Radanović, Ana Marjanović-Jeromela, et al., Institute of Field and Vegetable Crops, National Institute of Republic of Serbia, Novi Sad: Institute of Field and Vegetable Crops: **CROPINNO - Stepping up scientific excellence and innovation capacity for climate-resilient crop improvement and production**

Invited lectures on topics of TwiNSol-CECs interest

Chairs: Jelena Živančev and Vesna Vasić

- 17,15-17,40 Szabolcs Kertész, Gabriella Huszár, Balázs Szegedi, József R. Lennert, József Csanádi, Nikolett Sz. Gulyás, Zsuzsanna László, Gábor Veréb, Sándor Beszédes, Cecilia Hodúr, **Opportunities and challenges for membrane separation process intensification**

Oral presentation of registered participants

- 17,40-17,55 Marija B. Lješević, Branka D. Lončarević, Vladimir P. Beškoski, **Application of respirometry and comprehensive two-dimensional gas chromatography in biodegradation studies**

21 Oct 2022

- 9,00-10,00 Registration at the Faculty of Technology Novi Sad, Entrance Hall (Bulevar cara Lazara 1)
- Morning session, Faculty of Technology, Blue Hall** (Bulevar cara Lazara 1)
Invited lectures on topics of TwiNSol-CECs interest
 Chairs: Marijana Dragosavac and Ivica Strelec
- 10,00-10,25 Jelena Živančev, Igor Antić, Maja Buljovčić, Dušan Rakić, Nataša Đurišić-Mladenović, **Analysis of CECs in the environment of Western Balkans**
- 10,25-10,50 Sanja Panić, Mirjana Petronijević, Nataša Đurišić-Mladenović: **The development strategies for nano-engineered heterogeneous catalysts for wastewater treatment – towards greener approach**
- 10,50-11,15 Sandra Budžaki, Zita Šereš, Ivica Strelec: **Immobilization of lipases on functionalised carriers produced from selected agro-food industrial waste**
- 11,15-11,30 *Coffee break*
- 11,30-11,55 Nikola Maravić, Zita Šereš, Biljana Pajin, Dragana Šoronja Simović, Nataša Đurišić-Mladenović, Jelena Šurlan, **Membrane technologies in water treatment**
- 11,55-12,20 Vesna Vasić, Dragana Kukić, Marina Šćiban: **Biomaterials in water and wastewater treatment**
- Oral presentation of registered participants
- 12,20-12,35 Marijana Dragosavac, **Bespoke particles for purification and separation manufactured via membrane emulsification**
- 12,35-12,50 Dragana, B, Ljubojević Pelić, Nikolina, J, Novakov, Brankica, D, Kartalović, Jelena, M, Vranešević, Miloš, M, Pelić, Željko, A, Mihaljev, Milica, M. Živkov Baloš, **Emerging contaminants in aquatic ecosystem and their effects on fish and human health through the food web**
- 12,50-13,05 Nkolina, J, Novakov, Brankica, D, Kartalović, Dragana, B, Ljubojević Pelić, Jelena, M, Vranešević, Miloš, M, Pelić, **Use of purified wastewater from slaughterhouse and farm industries in aquaculture and agriculture**
- 13,05-14,30 *Lunch break* (Meeting Hall at the Deanery)
- Afternoon session, Faculty of Technology, Central Lobby** (Bulevar cara Lazara 1)
- 14,30-16,30 Poster presentations with coffee (set-up 11,15-11,40, dismantling:16,30-17,00)
- P1** ANALYSIS OF BIODEGRADATION PRODUCTS FROM BIOPLASTICS BY LC-HRMS,
Katerina Savva, Maria Fernandez-Altamira, Maria Vila, Marinella Farré, Marta Llorca
- P2** SYNTHESIS AND CHARACTERIZATION OF MAGNETITE-BIOCHAR COMPOSITE AS A POTENTIAL ADSORBENT FOR WASTEWATER TREATMENT,
Mirjana Petronijević, Sanja Panić, Saša Savić, Sanja Petrović, Nataša Đurišić-Mladenović

- P3** APPLICABILITY OF LIFE CYCLE IMPACT ASSESSMENT METHODOLOGIES: DESIGN OF NATURE BASED SOLUTIONS FOR WATER DECONTAMINATION,
Sanja Radovic, Maja Turk Sekulic, Sabolc Pap, Boris Agarski, Djordje Vukelic, Jelena Radonic, Jelena Prodanovic
- P4** IS THERE A SHARP DIFFERENCE BETWEEN THE DEFINITIONS “COMPOUNDS OF EMERGING CONCERNS“ AND “ENDOCRINE-DISRUPTING COMPOUNDS“?
Igor Antić, Jelena Živančev, Maja Buljovčić, Dušan Rakić, Nataša Đurišić-Mladenović
- P5** OCCURRENCE AND FATE OF PHARMACEUTICALS IN SPANISH INTERMITTENT STREAMS,
Olga Gómez-Navarro, Nicola Montemurro, Sandra Pérez
- P6** PRESENCE OF CECs IN CROPS AFTER IRRIGATION WITH CONTAMINATED WATER USING HRMS, Nicola Montemurro, Sandra Perez Solsona
- P7** BLACKBERRY STEM LIGNIN AS A BIOSORBENT FOR REMOVAL OF Cr(VI) IONS FROM WASTEWATER,
Vesna, M. Vasić, Dragana V. Kukić, Marina B. Šćiban, Mirjana G. Antov, Jorge Gominho, Ana Lourenço, Ricardo A. Costa, Duarte M. Neiva
- P8** MICROPLASTICS AS A VECTOR OF POLLUTION WITH PERSISTENT ORGANIC POLLUTANTS,
Brankica D.Kartalovic, Jelena M. Vranešević, Dušan S.Lazic, Nikolina J. Novakov, Krešimir M. Mastanjević, Kristina J. Habschied
- P9** WATER REGULATIONS, TREATMENT OF INDUSTRIAL WASTEWATER AND PROBLEMS IN PRACTICE,
Žužana Šandor Milošević
- P10** PAHs ORIGINATING FROM TRADITIONAL SMOKEHOUSES AND THEIR EFFECT ON ENVIRONMENT AND HUMAN HEALTH,
Jelena M. Vranešević, Brankica D. Kartalović, Nikolina J. Novakov, Snezana Škaljac, Suzana L. Vidaković Knežević, Miloš M. Pelić, Dragana B. Ljubojević Pelić
- P11** APPLICATION OF ORGANIC ACTIVATED BENTONITE IN THE TREATMENT OF AMMONIA-PHENOL WASTEWATER,
Hana Alihodžić, Abdel Đozić, Melisa Ahmetović, Indira Šestan, Sabina Begić, Mirnesa Zohorović, Halid Junuzović
- P12** APPLICATION OF RAW BENTONITE IN THE TREATMENT OF AMMONIA-PHENOL WASTEWATER,
Abdel Đozić, Hana Alihodžić, Halid Junuzović, Indira Šestan, Sabina Begić, Mirnesa Zohorović, Melisa Ahmetović

16,30-16,45 Certificate awarding and concluding remarks (Blue Hall)

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