



# Biodiversity restoration and conservation of inland water ecosystems for environmental and human well-being

*Instituto Superior de Engenharia do Porto, Porto, Portugal*  
*Building E - "Sala de Reuniões"*  
*April 18 & 19, 2024*  
**Programme**

**April 18, 2024**



**9:00 Registration**

**9:30 Opening Session**

Cristina Delerue-Matos

*REQUIMTE/LAQV-ISEP,  
Portugal*

## **Theme I – Analytical methodologies**

**9:45 Pharmaceuticals, transformation products, and metabolites in river waters and WWTP influents and effluents**

Manuela Correia

*REQUIMTE/LAQV-ISEP,  
Portugal*

**10:05 Challenges in microplastic extraction and analysis**

Virginia Fernandes

*REQUIMTE/LAQV-ISEP,  
Portugal*

**10:30 Coffee break**

**11:00 Microplastics in the environment: landfill's case study**

Laura Ferrando-Climent

*Institute for Energy  
Technology, Norway*

**11:20 Molecularly imprinted polymer sensors for emerging contaminants**

João Pacheco

*REQUIMTE/LAQV-ISEP,  
Portugal*

**11:40 Miniaturized electrochemical devices for emerging contaminant monitoring**

M. Teresa Fernández-  
Abedul

*University of Oviedo, Spain*

**12:00 Diatom Profiling and Identification using Raman Spectroscopy**

Raquel Pinto

*CIIMAR, Portugal*

**12:30 Lunch break**

## **Theme II – Wastewater treatment technologies**

**14:00 Wastewater treatment plants – An industrial perspective**

Sandra Jorge

*Águas do Centro Litoral,  
Portugal*

**14:20 Advanced oxidation processes for the treatment of pharmaceuticals in aqueous matrices**

Verónica Poza-Nogueiras

*University of Vigo, Spain*

**14:40 Mycoremediation strategies for treatment of contaminated water**

Malin Hultberg &  
Oksana Golovko

*Swedish University of  
Agricultural Sciences,  
Sweden*

**15:10 Microplastics removal from aqueous matrices: a sustainable approach**

Laura Ferrando-Climent

*Institute for Energy  
Technology, Norway*

**15:30 Refreshments**

**16:00 BioReset consortium meeting (only for BioReset team members)**

April 19, 2024



### Theme II – Wastewater treatment technologies (*cont.*)

9:30	<b>Biotech innovation for wastewater reuse and ecosystem protection</b>	Paula Castro	<i>Universidade Católica Portuguesa, Portugal</i>
9:50	<b>Simulation of synthetic water systems containing micro- and nanoplastics: generation and removal process study</b>	Irene García	<i>University of Oviedo, Spain</i>
10:10	<b>Removal of emerging contaminants from urban wastewaters</b>	Sónia Figueiredo	<i>REQUIMTE/LAQV-ISEP, Portugal</i>
10:30	<b>Progress in eco-friendly material design and synthesis for environmental purposes</b>	Marta Pazos	<i>University of Vigo, Spain</i>
10:50	<i>Coffee break</i>		

### Theme III – Wastewater treatment evaluation

11:30	<b>Monitoring of aquatic pollution using Raman spectroscopy</b>	Laura Guimarães	<i>CIIMAR, Portugal</i>
11:50	<b>Evaluating the toxicity of pharmaceutical transformation products in zebrafish embryos and early larvae</b>	Pedro Rodrigues	<i>CIIMAR, Portugal</i>
12:10	<b>Environmental and Economic Sustainability Assessments of New Advanced Treatments for Removal of Pharmaceuticals from Wastewater Effluents</b>	Elena Surra	<i>REQUIMTE/LAQV-ISEP, Portugal</i>

### Theme IV – BiodivRestore funded projects

12:30	<b>RESTORESEAS - Marine Forests of animals, plants and algae: nature-based tools to protect and restore biodiversity</b>	Ester Serrao	<i>CCMAR, University of Algarve, Portugal</i>
12:50	<b>The COAST Project - Conservation of marine ecosystems around Santo Antão, Cabo Verde: implications for policy and society</b>	Teresa Amaro	<i>CESAM, University of Aveiro, Portugal</i>

13:15 *Lunch break*

15:00 **Visit to CIIMAR**

Participation is free, but registration is mandatory (until April 15):

<https://forms.office.com/e/qw9UaKxSkq>



Organization:



Funding:

