

## Winter School on Biological and Abiotic for Transformation Processes for Removal of Pollutants in Water Systems.

### SusWater Project

5-7 April, 2022 Campus de Móstoles, URJC, (Spain)

**Registration:** <https://forms.office.com/r/BYy9NZPySE>

(on-line attendance also available through the link provided after registration)

### PROGRAM

#### Tuesday, 5 April 2022

8.45 h Welcome (URJC and Metrohm Hispania)

9.00-10.30 h. Session 1

- *Photoinduced transformation of organic pollutants in aqueous matrices*  
Dr. Paola Calza, Coordinator of SusWater Project. Università degli Studi di Torino (Italy)
- *Photocatalytic removal of metals and semimetals in aqueous matrices*  
Dr. María José López Muñoz, Universidad Rey Juan Carlos, Móstoles (Spain)

10.30-11.00 h. Coffee break

11.00 -13.15 h. Session 2

- *Photoactive inorganic materials: the interaction of the solids with light*  
Dr. Cristina Paganini. Università degli Studi di Torino (Italy)
- *Hybrid systems that involve enzymes and photocatalysts*  
Dr. Enzo Laurenti. Università degli Studi di Torino (Italy)
- *Fungi in Bioremediation*  
Dr. Cristina Varese. Università degli Studi di Torino (Italy)

13.30 -15.00 h. Lunch

15.00 h. Technical Visit to Canal de Isabel II installations (SusWater partners)

### **Wednesday, 6 April 2022**

9.00-10.30 h. Session 3

- *Fungi for Water and Wastewaters treatment: Case Studies*  
Dr. Federica Spina, Università degli Studi di Torino (Italy)
- *Determination of textural properties of photocatalysts and adsorbents*  
Dr. Eloy Sanz, Universidad Rey Juan Carlos, Móstoles (Spain)

10.30-11.00 h. Coffee break

11.00 -13.15 h. Session 4

- *Removal of metal pollutants by adsorption processes*  
Dr. Amaya Arencibia Villagrà. Universidad Rey Juan Carlos, Móstoles (Spain)
- *Exploitation of polymeric hydrogels for pollutant water remediation*  
Dr. Marco Sangermano. Politecnico di Torino (Italy)
- *Nanofiltration membranes: properties, fabrication, characterization and potential application in aquaculture*  
Dr. Vittorio Boffa, Aalborg University (Denmark)

13.30 -15.00 h Lunch

15.00 h. Cultural Visit (SusWater partners)

### **Thursday, 7 April 2022**

9.30-10.30 h. Oral communications.

Jorge Plaza Morales (Universidad Rey Juan Carlos, Spain); Matías-Jesús Alonso Navarro (Universidad Rey Juan Carlos, Spain); Elissa Gaggero, (Università degli Studi di Torino, Italy)

10.30-11.00 h. Coffee break

11.00 -13.15 h. Oral communications

Monica Rigoletto (Università degli Studi di Torino (Italy); Camilla Noé (Politecnico di Torino (Italy), María del Pilar Gómez Rodríguez (Universidad Rey Juan Carlos, Spain)

13.15 h Closing