

DRAFT PROGRAMME

TRAINING SCHOOL

Micro and nanoplastic pollution: detection and mitigation, present and future challenges

Naples (NA), Italy

from 28th to 30th September 2022

Partenope Congress Centre

28th September 2:30 PM - 19:00 PM

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| Stefania Federici , University of Brescia, IT | | Opening and welcome from PRIORITY |
| Mariacristina Cocca , Institute for Polymers, Composites and Biomaterials - CNR, IT | | WG5: Remediation, recovery and development of sustainable materials |
| Richard Thompson , University of Plymouth, UK | | Overview of Microplastic Pollution in the Environment |

Coffee break

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| Monica Passananti , University of Torino, IT - University of Helsinki, FI | Nanoplastics: state of the art and challenges |
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29th September 9:30 AM - 6:30 PM

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| Alvise Vianello , University of Aalborg, DK | Finding the needle in the haystack: the role of vibrational spectroscopy in microplastic analysis |
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Coffee break

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| Sabrina Carroccio , Institute for Polymers Composites and Biomaterials - CNR, IT | Application of traditional and modern MS to microplastics identification |
| Serena Santonicola , University of Molise, IT | Microplastics as emerging food contaminants: current detection methods |

Lunch break

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| Maria Costantini , Stazione Zoologica Anton Dohrn, IT | Monitoring and bioremediation of microplastics by marine organisms |
| Andrea de Lucia , Institute for the Study of Anthropogenic Impact and Sustainability in the Marine Environment - CNR, IT | Could MPs be monitored using marine organisms? Evaluating different fauna species as indicators in assessing vertical microlitter distribution and |

Coffee break

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| Rachele Castaldo, Maria Emanuela Errico, Gennaro Gentile , Institute of Polymers Composites and Biomaterials CNR – IT | Round Table /Participant presentation |
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30th September 9:30 AM - 6:30 PM

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| Jean Marie Raquez , University of Mons, BE | Introduction to Biobased plastics: definition and issues |
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Coffee break

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| Nicolas Keller , Institute of Chemistry and Processes for Energy, Environment and Health - CNRs/UdS, FR | Mitigation approaches for the removal of micro and nanoplastics in wastewater : the challenges and promises of Advanced Oxidation Processes. |
| Alberto Figoli , Institute on Membrane Technology - CNR, IT | Membrane processes for micro and nanoplastics pollutants remediation |

Lunch break

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| Veronica Ambrogi , University of Naples, IT | Circular Economy and Environmental Sustainability |
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Coffee break

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| Roberto Avolio, Emanuele Fiore , Institute of Polymers Composites and Biomaterials CNR – IT Hamid Amsil , National Centre for Nuclear Energy, Science and Technology (CNESTEN) – MA | Round Table / Participant presentation / Final test |
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