



INTERNATIONAL CONFERENCE ON MICROPLASTIC POLLUTION IN THE MEDITERRANEAN SEA

Naples (NA), Italy
from 25th to 28th September 2022
Partenope Congress Centre

PROGRAMME

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|--------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 25 Sept | AFTERNOON | | | |
| Chairman | Maurizio Avella | Institute of Polymers, Composites and Biomaterials - CNR, IT | | |
| 5:00 PM 6:00 PM | Registration - Welcome - Wine & Cheese - Opening | | | |
| 6:00 PM 6:40 PM | Maria Westerbos | Plastic Soup Foundation, NL | From utopia to waste | |
| 26 Sept | MORNING SESSION | | | |
| 8:30 AM 9:00 AM | Registration | | | |
| 9:00 AM 9:30 AM | Lidia Armelao | Director of the Department of Chemical Sciences and Materials Technologies (DSCTM) - National Research Council of Italy, IT | | |
| | Luigi Ambrosio | Institute of Polymers, Composites and Biomaterials - CNR, IT | | |
| | Maurizio Avella | Institute of Polymers, Composites and Biomaterials - CNR, IT | | |
| | Giorgio Zampetti ON LINE | Legambiente, IT | | |
| | Pier Paolo Celeste | Marevivo, IT | | |
| Chairman | Luigi Ambrosio | Institute of Polymers, Composites and Biomaterials - CNR, IT | | |
| 9:30 AM 10:00 AM | Jes Vollertsen | University of Aalborg, DK | Limits of quantification – a discussion on our ability to quantify small microplastics in complex matrices | |
| 10:00 AM 10:12 AM | Claudio Marchesi | Department of Mechanical and Industrial Engineering - University of Brescia, IT | Portable spectroscopy and multivariate analysis for microplastics pollution | |
| 10:12 AM 10:24 AM | Valter Castelvetro | Department of Chemistry and Industrial Chemistry - University of Pisa, IT | Micro- and nanoplastics determination in complex environmental samples by the PISA (Polymer Identification and Specific Analysis) procedure | |
| 10:24 AM 10:36 AM | Luca Maurizi | The Build Department, Aalborg University - DK | A comparison between FTIR microscopy and Raman microscopy applied to microplastic analysis in drinking water | |
| 10:36 AM 10:48 AM | Matteo Giardino ON LINE | Department of Applied Science and Technology (DISAT) - Politecnico di Torino, IT | A novel technique for automated detection, count and measurement of microplastics | |
| 10:48 AM 11:00 AM | Nuno Nunes ON LINE | SubCtech GmbH, DE | Versatile sampling of microplastics for busy sailors in remote locations | |
| 11:00 AM 11:30 AM | COFFE BREAK | | | |
| Chairwoman | Maria Westerbos | Plastic Soup Foundation, NL | | |
| 11:30 AM 12:00 PM | Francesco Regoli | Polytechnic University of Marche, IT | | |
| 12:00 AM 12:12 AM | Danielle Marchant | School of Biological and Behavioral Sciences, Queen Mary, University of London - UK | Interactive effects of microplastic types, concentrations and nutrient load on freshwater ecosystem structure and function | |
| 12:12 AM 12:24 AM | Matteo Galli | Department of Physical, Earth and Environmental Sciences - University of Siena, IT | Microplastic ingestion and PAE levels as plastic tracers in the Mediterranean <i>Velella velella</i> : a candidate indicator of pelagic environment | |
| 12:24 AM 12:36 AM | Ana Martínez Rodríguez | School of Biological and Behavioural Sciences - Queen Mary University of London, UK | Contrasting the impact of oil-based and bio-based biodegradable microplastics on freshwater macroinvertebrate communities under seminatural conditions | |
| 12:36 AM 12:48 AM | Fabiana Corami | Institute of Polar Sciences - National Research Council of Italy, IT | Small Microplastics (<100 µm), Additives, and plasticizers in <i>Mytilus galloprovincialis</i> , a potential bioindicator for microplastics pollution | |
| 12:48 AM 13:00 AM | Dario Gianì | Department of Physical Sciences, Earth and Environment - University of Siena, IT | Assessment of the impact and abundance of microplastics on twenty-two edible fish species from five different areas of the Mediterranean Sea | |
| 1:00 PM 2:30 PM | LUNCH | | | |
| 26 Sept | AFTERNOON SESSION | | | |
| Chairman | Francesco Regoli | Polytechnic University of Marche, IT | | |
| 2:30 PM 3:00 PM | Maria Cristina Fossi | University of Siena, IT | The Plastic Busters MPAs methodological approach to detect the impact of microplastics and related plastic additives in the Mediterranean biodiversity | |
| 3:00 PM 3:12 PM | Matan Oren | Department of Molecular Biology - University of Ariel, IL | Plastisphere is not one ecosystem: the geographical and seasonal effect on microplastic microbiome | |
| 3:12 PM 3:24 PM | Roberto Fattorusso | Department of Environmental, Biological and Pharmaceutical Sciences and Technologies - University of Campania Luigi Vanvitelli, IT | Polystyrene nanoparticles effects on human ubiquitin structure and functions | |

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| 3:24 PM | 3:36 PM | Anita Grozdanov | Faculty of Technology and Metallurgy -University of Skopje Ss Cyril and Methodius, MK | Risks and health effects from exposure to engineered nanostructures: a critical review |
| 3:36 PM | 3:48 PM | Serena Ducoli | Department of Mechanical and Industrial Engineering - University of Brescia, IT | True-to-life nanoplastics for the investigation of the biological interface |
| 3:48 PM | 4:00 PM | Concepción Martínez-Gómez | Instituto Español de Oceanografía (IEO) - CSIC Oceanographic Center of Murcia, ES | Quantification of polyethylene in mussel hemolymph and its limited additive effect on immune function induced by bezafibrate |
| 4:00 PM | 4:30 PM | COFFEE BREAK | | |
| Chairwoman | | Maria Emanuela Errico | Institute of Polymers, Composites and Biomaterials - CNR, IT | |
| 4:30 PM | 4:42 PM | Carola Murano | Department of Integrative Marine Ecology - Stazione Zoologica Anton Dohrn, IT | Plastic microbial colonization: seasonality and dynamics |
| 4:42 PM | 4:54 PM | Giacomo Limonta | Department of Physical, Earth and Environmental Sciences - University of Siena, IT | Applying molecular and biochemical biomarkers to detect the impact of microplastic ingestion and plastic additives in Mediterranean striped red mullet |
| 4:54 PM | 5:06 PM | Pascaline Francelle | School of Biological and Behavioural Sciences - Queen Mary University of London, UK | Interactions between microbial communities and plastics in freshwater and estuarine environments |
| 5:06 PM | 5:18 PM | Gabor Bordos | WESSLING Hungary Ltd - HU | Analysis of microplastics in wastewater treatment plants along the Hungarian stretch of the Danube River Hachisto Lun o MART |
| 5:18 PM | 5:30 PM | Agnieszka Monika Dąbrowska | Laboratory of Spectroscopy and Intermolecular Interactions, Faculty of Chemistry - University of Warsaw, PL | The physical and chemical methods for the quantitative modelling of nanoplastics, microplastics and the plastisphere – selected case studies |
| 5:30 PM | 5:42 PM | Jeanette Lykkemark | University of Alborg, DE | Step-by-step evaluation of matrix effect and sample recovery during pretreatment of wastewater samples for the quali-quantitation of microplastics by Py-GC-MS |
| 5:42 PM | 7:00 PM | POSTER SESSION 1 | | |
| 27 Sept | MORNING SESSION | | | |
| Chairwoman | | Maria Cristina Fossi | University of Siena, IT | |
| 9:00 AM | 9:30 AM | Christos Ioakeimidis | UNEP-MAP, EL | Marine Litter Policy Advances in the Mediterranean |
| 9:30 AM | 9:42 AM | Roberta Minetti | Institute for the study of anthropogenic impacts and sustainability in the marine environment - National Research Council of Italy, IT | Citizen science project to validate a new sampling methods for microplastic monitoring in coastal marine environment |
| 9:42 AM | 9:54 AM | Esther Kentin | Leiden University, Steenschuur 25, 2311ES Leiden, NL | Challenges of restricting microplastics in the EU: recommendations from scientists for the restriction proposal |
| 9:54 AM | 10:06 AM | Stefania Federici | Department of Mechanical and Industrial Engineering - University of Brescia, IT | COST Action CA20101 PRIORITY: Collaborative research network tackling the global challenges of plastic pollution |
| 10:06 AM | 10:18 AM | Federica Tommasi | Ecosystems and Health, Dept. Environment and Health - Italian National Institute of Health, IT | What kind of international legally binding instrument on plastic pollution do we need? |
| 10:18 AM | 10:30 AM | Davide Poletto | Venice Lagoon Plastic Free, Castello 2641, 30122 Venice, IT | Detection and characterisation of micro- and nano-plastic pollutants: A case study of the Adriatic Sea |
| 10:30 AM | 10:42 AM | Luca Fambri | Department of Industrial Engineering and INSTM Research Unit - University of Trento, IT | First collection and monitoring of plastics and microplastics in the freshwater of Garda Lake using seabin. Technical and educational aspects |
| 10:42 AM | 10:54 AM | Margherita Barchiesi | Department of Civil, Constructional and Environmental Engineering - Sapienza University of Rome, IT | MPs analysis with μ -Raman: potential and practical aspects |
| 11:00 AM | 11:30 AM | COFFEE BREAK | | |
| Chairwoman | | Veronica Ambrogi | University of Naples Federico II, IT | |
| 11:30 AM | 12:00 PM | Jean-Marie Raquez | University of Mons, BE | (Bio)plastics: hope or hype |
| 12:00 AM | 12:12 AM | Jacopo La Nasa | Department of Chemistry and Industrial Chemistry - University of Pisa, IT | Stability of microplastics: Detection of potentially harmful compounds produced by microplastics during accelerated aging studies |
| 12:12 AM | 12:24 AM | José Paulo Da Silva | Centre of Marine Sciences (CCMAR/CIMAR LA) - University of Algarve, PT | Markers of plastics and microplastics in marine environments |
| 12:24 AM | 12:36 AM | Sonia Manzo ON LINE | ENEA - CR PORTICI, IT | Photo-oxidation techniques for microplastics (MPs) accelerated weathering |
| 12:36 AM | 12:48 AM | Lara Nigro | Department of Biosciences, University of Milan - IT | Are water-soluble polymers a new environmental threat? The case of polyvinyl alcohol |
| 12:48 AM | 13:00 AM | Katerina Karkanorachaki ON LINE | School of Chemical and Environmental Engineering - Technical University of Crete, EL | Fate of fossil-based and bioplastics in the marine environment |
| 1:00 PM | 2:30 PM | LUNCH | | |

| 27 Sept AFTERNOON SESSION | | | | |
|---------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Chairman | Richard C Thompson | University of Plymouth, UK | | |
| 2:30 PM 3:00 PM | Monica Passananti | University of Turin, IT /University of Helsinki, FI | Reactivity and analysis of nanoplastics and small microplastics | |
| 3:00 PM 3:12 PM | Sabrina Gioria | European Commission, Joint Research Centre (JRC), Ispra, IT | In vitro high-throughput toxicological assessment of nanoplastics | |
| 3:12 PM 3:24 PM | Michael Süß | Competence Center CHASE GmbH, AT | Plastics recycling and microplastic emissions | |
| 3:24 PM 3:36 PM | Filomena Del Piano | Department of Veterinary Medicine and Animal Productions - University of Naples Federico II, IT | Subchronic oral toxicity of polystyrene microplastic on intestinal homeostasis and health status in gilthead seabreams (<i>Sparus aurata</i>) | |
| 3:36 PM 3:48 PM | Lucia Pittura | Università Politecnica delle Marche, IT | A matter of size: toward an effect-based approach for microplastics risk assessment | |
| 3:48 PM 4:00 PM | Francesca Lionetto ON LINE | Department of Engineering for Innovation, University of Salento - IT | Model nanoplastics for environmental assessment | |
| 4:00 PM 4:30 PM | COFFEE BREAK | | | |
| Chairman | Cosimo Carfagna | University of Naples Federico II, IT | | |
| 4:30 PM 4:42 PM | Beatrice Rosso | Department of Environmental Sciences, Informatics and Statistics, Ca' Foscari - University of Venice, IT | Additives, plasticizers and small microplastics (<100 µm) in wet and dry depositions from an urban area of Venice, Italy | |
| 4:42 PM 4:54 PM | Rossana Bellopede | Department of Environment, Land and Infrastructure Engineering - Politecnico di Torino, IT | Detection of microplastics in marine sediments: results from three Italian coasts | |
| 4:54 PM 5:06 PM | Andrea Binelli | Department of Biosciences - University of Milan, IT | The quali-quantitative evaluation of plastics in 7 watercourses of the metropolitan city of Milan (n. Italy) and their ecotoxicological consequences | |
| 5:06 PM 5:18 PM | Francesca Garaventa | Institute for the Study of Anthropic Impact and Sustainability in the Marine Environment, National research Council of Italy, IT | Microplastics are ubiquitous in the marine ecosystem: an integrated assessment in water, sediments and biota | |
| 5:18 PM 5:30 PM | Silvia Marchesan ON LINE | Chemical & Pharmaceutical Sciences Sept. - University of Trieste, IT | Enzyme mimics for nanoplastics degradation | |
| 5:30 PM 5:42 PM | Joana Patricio Rodrigues | Department of Chemistry & CESAM - University of Aveiro, PT | Metals in plastic debris from spanish mediterranean beaches with different anthropogenic pressure: are these particles potential monitors for metal pollution? | |
| 5:42 PM 7:00 PM | POSTER SESSION 2 | | | |
| 28 Sept MORNING SESSION | | | | |
| Chairman | Emanuele Fiore | Institute of Polymers, Composites and Biomaterials - CNR, IT | | |
| 9:00 AM 9:30 AM | Richard Thompson | University of Plymouth, UK | Marine Litter: are there solutions to this global environmental challenge? | |
| 9:30 AM 9:42 AM | Valentina Balestra | Department of Environment, Land and Infrastructure Engineering - Politecnico di Torino, IT | Groundwater: an endangered invisible resource. Microplastic pollution in underground karst systems from surface watercourses to cave waters | |
| 9:42 AM 9:54 AM | Andrea Paluselli | Institute of Marine Sciences - National Research Council of Italy, IT | Vertical distribution and transport of textile microfibers (MFs) in the Mediterranean water column | |
| 9:54 AM 10:06 AM | Mariana Nogueira Miranda | LSRE-LCM, Faculty of Engineering - University of Porto - PT | Evaluation of the role of plastic aging on the sorption of pesticides and pharmaceutical substances on microplastics | |
| 10:06 AM 10:18 AM | Marine Pyl | Laboratoire de Biologie marine - Université Libre de Bruxelles, BE | Evidence of microplastic-mediated transfer of PCB-153 to sea urchin tissues using radiotracers | |
| 10:18 AM 10:30 AM | Gerasimos Gkoutselis ON LINE | Department of Mycology - University of Bayreuth, DE | Selection of pathogenic fungi by microplastics is linked to their generic virulence | |
| 10:30 AM 10:42 AM | Kryss Waldschläger ON LINE | Hydrology and Quantitative Water Management Group - Wageningen University & Research, NL | Microplastics: what can we learn from natural sediments? | |
| 10:42 AM 10:54 AM | Marika Valentino | Institute of Applied Sciences and Intelligent Systems - National Research Council of Italy, IT | Intelligent holographic flow cytometers for identifying label-free microplastics in heterogeneous water samples | |
| 11:00 AM 11:30 AM | COFFEE BREAK | | | |
| Chairman | Gaetano Leone | UNEP-MAP | | |
| 11:30 AM 12:00 PM | Heidi Savelli-Soderberg | Programme Officer, UNEP | Plastic pollution and marine litter monitoring for global policy and action | |
| 12:00 AM 12:12 AM | Annamaria Vujanović | Faculty of Chemistry and Chemical Engineering - University of Maribor, SI | Environmental impact of innovative microplastics filtration system for washing machines & marinas | |
| 12:12 AM 12:24 AM | Paul Servin | Xeros Technology Group plc, Unit 2 Evolution, UK | Innovating solutions to plastic pollution: The journey to new product lines reducing / capturing microplastics in both domestic and commercial washing machines | |
| 12:24 AM 12:36 AM | Erika Iveth Cedillo-González | Department of Engineering "Enzo Ferrari", University of Modena and Reggio Emilia, IT | Towards a µ-plastic-free ocean: green photocatalysts for mitigation of micro- and nanoplastic marine pollution | |
| 12:36 AM 12:48 AM | Giovanna Laudisio | Naturbeads Ltd, UK | Cellulose microbeads, a sustainable alternative to microplastics for industrial and consumers applications | |
| 12:48PM 1:00PM | Awards & Conclusion | | | |

POSTER SESSIONS

| 26 Sept | 5:42 PM 7:00 PM | POSTER SESSION 1 | | |
|---------|-----------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| P1 | ON LINE | Martina Miloloža | Faculty of Chemical Engineering and Technology - University of Zagreb, HR | Determination of optimal conditions for biodegradation of polystyrene by bacteria |
| P2 | | Bence Prinkler | WESSLING Hungary Ltd, HU | A pilot to establish centralised microplastic laboratory: analysis of waterworks in the Western Balkan region |
| P3 | | Lorenzo Martellone | Department of Chemistry & Technology of Drugs - Sapienza University of Rome, IT | Microplastics in drinking water: Italian national working group and analytical methods |
| P4 | | Sara Accardo | ENEA CR PORTICI, IT | Ecotoxicological assessment of Alento river catchment a focus on microplastic impact |
| P5 | ON LINE | Gurusamy Kutralam-Muniasamy | Department of Biotechnology and Bioengineering, Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional, MX | Human exposure to microplastics from various beverages in Mexico City |
| P6 | | Teresa Cacace | Institute of Applied Sciences and Intelligent Systems - National Research Council of Italy, IT | Compact holographic imaging and machine learning for microfibers quantification in laundry wastewater |
| P7 | | Eleonora Brancaleone | Acea Elabori SpA, IT | Microplastic in drinking water: are they really dangerous for human health? |
| P8 | | Alessandra Gallo | Department of Biology and Evolution of Marine Organisms - Stazione Zoologica Anton Dohrn, IT | Reproductive toxicity assessment of environmental microplastics in the mussel <i>Mytilus galloprovincialis</i> |
| P9 | | Sara Vencato | Institute of Anthropic Impact and Sustainability in Marine Environment - National Research Council of Italy, IT | Microplastics and associated plasticizers: presence and detection in cnidarians used as possible bioindicators for microplastic contamination in Marine environments |
| P10 | | Laura Ciaralli | Italian National Institute for Environmental Protection and Research ISPRA, IT | Random or not? Comparing microplastic ingestion and preys in <i>Scomber colias</i> and <i>Trachurus trachurus</i> |
| P11 | | Federica Laface | Department of Integrative Marine Ecology - Stazione Zoologica Anton Dohrn, IT | May mesopelagic fishes play an important role as vector of microplastics across the Mediterranean trophic web? A case of study in the Strait of Messina |
| P12 | | Serena Santonicola | Department of Medicine and Health Sciences V. Tiberio - University of Molise, IT | Microplastic fiber content in <i>Mullus barbatus</i> from the Tyrrhenian Sea: preliminary results |
| P13 | | Marco Cifoni | Stazione Zoologica Anthon Dohrn, IT | Temporal and spatial variability of Microplastic ingestion by Zooplankton species in the Gulf of Naples (Western Mediterranean Sea) |
| P14 | | Vincenzo Donnarumma | EMI Department - Stazione Zoologica Anton Dohrn , IT | Temporal variability of microplastics and their attached community along the Campania coast |
| P15 | | Kaori Nakamura | Graduate School of Engineering and Science - University of the Ryukyus, JP | Microplastics in spring and rainfall collected from subtropical regions in Okinawa, Japan |
| P16 | | Iulian Pojar | National Institute of Marine Geology and Geo-Ecology - GeoEcoMar, RO | Microplastic abundance, distribution and classification in the Siriu Reservoir - Buzau River, Romania |
| P17 | | Luisa Albarano | Department of Biology - University of Naples Federico II, IT | Plastic debris from face masks: release rates and effects |
| P18 | | Hadeel Al-Zawaidah | Hydrology & Quantitative Management Group - Wageningen University and Research, NL | Untangling water-column microplastics, a closer look into turbulence |
| P19 | ON LINE | Shruti Venkata Chari | Instituto de Geología - Universidad Nacional Autónoma de México (UNAM), MX | Detection of atmospheric microplastics in particulate matter (PM10 & PM2.5) of Mexico City |
| P20 | | Yusuke Iwaki | Graduate School of Engineering and Science Faculty of Science - University of the Ryukyus, JP | Microplastics in the sea cucumber <i>Holothuria</i> (<i>Halodeima</i>) atra and sediment around Okinawa Island |
| P21 | | Sara Accardo | ENEA - CR PORTICI, IT | Ecotoxic effect of plastic bags long term leaching in seawater |
| P22 | | Jana Hildebrandt | Bundesanstalt für Materialforschung und -prüfung (BAM), DE | Aqueous dispersions of polypropylene: towards reference materials for nanoplastics characterization |
| P23 | | Arianna Peruzzo | Microbial Ecology and Genomics Laboratory - Istituto Zooprofilattico Sperimentale delle Venezie, IT | Microplastics bacterial community: a potential hazard for food-safety? |
| 27 Sept | 5:42 PM 7:00 PM | POSTER SESSION 2 | | |
| P24 | | Jena Jamsek | National Institute of Biology, Marine Biology Station Piran, Piran, SI | Microplastics in sediments and selected marine organisms of the gulf of Trieste |
| P25 | ON LINE | Marco Iannaccone | Department of Biology- University of Malta, MT | Mycological approaches for the preparation of environmentally friendly Materials |
| P26 | | Raffaella Mossotti | Institute of Intelligent Industrial Technologies and System for advanced Manufacturing - National Research Council of Italy, IT | High-quality carbon materials from synthetic industrial fibre waste |
| P27 | | Stefano Magni | Department of Biosciences, - University of Milan, IT | Ecotoxicological effects of water-soluble polymers on freshwater species |
| P28 | | Elisa Costa | Institute for the Study of Anthropic Impact and Sustainability in the Marine Environment - Nationa Research Council of Italy, IT | Uptake and ecotoxicological effects of microplastics and nanoplastics on gelatinous zooplankton |
| P29 | | Thomas Viel | Institute for Polymers, Composites and Biomaterials - National Research Council of Italy, IT | Degradation behaviour and rate of biodegradable polymers in marine environment |

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| P30 | Elisa Costa | Institute for the Study of Anthropic Impact and Sustainability in the Marine Environment - National Research Council of Italy, IT | New insights into plastic degradation: ecotoxicological effects of plastic leachates in marine invertebrates |
| P31 | Cristina De Monte | Institute for Physico-Chemical Processes - National Research Council of Italy, IT | Resin pellets aging and degradation investigation from long term in situ experiment: first results |
| P32 | Marius Sandru | SINTEF AS, Dep. Of Biotechnology and Nanomedicine, NO | Removal of nano- and microplastics from maritime environment by use of biodegradable flocculants |
| P33 | Paola Amato | Department of Chemical, Material and Industrial Production Engineering - University of Naples | Photodegradation of LLDPE and PLA thin films induced by hybrid humic acids/ZnO nanoparticles with advanced ROS-generating properties |
| P34 | Margherita Concato | Department of Physical, Earth and Environmental Sciences - University of Siena, IT | Assessment of microplastic ingestion and quantification of eleven phthalate acid esters in Mediterranean edible fish species |
| P35 | Concepción Martínez-Gómez | Instituto Español de Oceanografía (IEO) - CSIC Oceanographic Center of Murcia, ES | High density polyethylene and polystyrene microplastics as vectors of Triclosan towards marine invertebrates: signals of reduced bioreactivity |
| P36 | Rachid Amara | Laboratoire d'Océanologie et de Géosciences- Université Littoral Côte d'Opale, CNRS, FR | The Manta Robot : a new sampling device for microplastics in different water bodies |
| P37 | Daniela Thomas | Institute for Agricultural Technology - Johann Heinrich von Thuenen Institute, DE | Density separation of conventional and biodegradable microplastics from solid sample matrices |
| P38 | Tjaša Kolar | Faculty of Mechanical Engineering - University of Maribor, SI | Filtration/separation efficacy of micro-to-nano plastic particles using nanocellulose-based membrane |
| P39 | Xhoen Gjashta | Dresden University of Applied Sciences, DE | Does calibration with pristine pet allow the identification and quantification of aged PET microplastic particles by DSC? |
| P40 | Elena Battaglini | Department of Civil, Chemical, Environmental and Materials Engineering - University of Bologna, IT | Identification of microplastics in chocolate using microspectroscopy techniques |
| P41 | Federico Sacco | SRA Instruments, IT | Morphology and mass quantification combined approach for microplastics characterization with Agilent Idir and frontier lab pyrolyzer |
| P42 | Immacolata Liotta | Institute for Polymers, Composites and Biomaterials - National Research Council of Italy, IT | Mechanical recycling of polyethylene-rich plastic fraction recovered from marine environment to mitigate plastic and microplastic pollution |
| P43 | Lucia Sansone | Institute for Polymers, Composites and Biomaterials - National Research Council of Italy, IT | A process to turn cigarette waste into sunglasses |
| P44 | Maria Kaliva | University of Crete, EL | Functional and sustainable materials |
| P45 | Nello Russo | Institute for Polymers, Composites and Biomaterials - National Research Council of Italy, IT | Mitigation effect of detergent on microfiber release |