



INTERNATIONAL CONFERENCE ON MICROPLASTIC POLLUTION IN THE MEDITERRANEAN SEA

ISCHIA (NA), OCTOBER 19TH - 22TH 2025
HOTEL CONTINENTAL

PROGRAMME

19 Oct	AFTERNOON				
	4:00 PM 5:30 PM	Registration			
	5:30 PM 6:30 PM	Grammenos Mastrojeni	Union for the Mediterranean, ES		
	6:30 PM 8:00 PM	Welcome Party			
20 Oct	MORNING SESSION				
	8:30 AM 9:00 AM	Registration			
	9:00 AM 9:30 AM	Welcome & Introduction			
	9:30 AM 10:00 AM	Andy Booth	SINTEF, NO	The Importance of Plastic Additive Chemicals in Hazard Assessment of Micro- and Nanoplastic	
	10:00 AM 10:12 AM	Francesca Coccia	University G. d’Annunzio of Chieti-Pescara	Polystyrene enhances the release of Cu ²⁺ and Zn ²⁺ ions from metal oxides under UV light: implications for microplastic-mediated toxicity in marine systems	
	10:12 AM 10:24 AM	Daura Vega Moreno	University of Las Palmas de Gran Canaria, ES	Origin, fate and transport of microplastics in the Canary region down to 1200 meters depth	
	10:24 AM 10:36 AM	Fabiana Convertino	University of Bari, IT	Environmental potential risk of microplastic pollution due to agricultural plastics: a case study in Apulia region	
	10:36 AM 10:48 AM	Khadiza Nasrin	Noakhali Science and Technology University, BD	Microplastic contamination and ecological risk assessment in sediments and waters of ship-dismantling yards along the bay of Bengal	
	10:48 AM 11:00 AM	Massimiliano Mariani	National Research Council of Italy, IT	Environmental impact of fibrous microplastics emitted from textiles during washing under the life cycle assessment framework	
	11:00 AM 11:30 AM	COFFE BREAK			
	11:30 AM 12:00 PM	Maria Cristina Fossi	University of Siena, IT	Biodiversity at Risk in the SPAMI Pelagos Sanctuary: the Impact of Marine Litter on Biota	
	12:00 AM 12:12 AM	Francesca Garaventa	National Research Council of Italy, IT	Early biofilm development in biodegradable and traditional plastics through a mesocosm approach	
	12:12 AM 12:24 AM	Muhammad Ilyas	Chinese Academy of Sciences, CN	Ecological effects of micro/nanoplastics on plant-associated food webs	
	12:24 AM 12:36 AM	Alessandro Cau	University of Cagliari, IT	Marine heat waves can modulate the effects of microplastics on microbial communities and biogeochemical cycling in coastal sediments	
	12:36 AM 12:48 AM	Teodora Babos	National Institute of Marine Geology and Geo-ecology, RO	Microplastics in fish species from the romanian deltaic coast	
	12:48 AM 13:00 AM	Giorgia Sciotto	University of Bologna, IT	Chemometrics and hyperspectral imaging for a standardized and rapid monitoring of microplastics in the environment	
	1:00 PM 2:30 PM	LUNCH			
	20 Oct	AFTERNOON SESSION			
		2:30 PM 3:00 PM	Roberto Rosal	University of Alcalá, ES	Impacts of Micro- and Nanoplastics on Organisms and Ecosystems: Bridging Knowledge Gaps in Pollution Research
		3:00 PM 3:12 PM	Domenico Paparo	National Research Council of Italy, IT	Microplastic detection in soil by THz Time-Domain Hyperspectral Imaging combined with Unsupervised Learning Analysis
3:12 PM 3:24 PM		Sara Criollo	Aalborg University, DK	Detection of microplastics in environmental compartments near a traffic-intensive road	
3:24 PM 3:36 PM		Achu Kuriakose	University of Urbino, IT	Mmicro and nanoplastics as evolving contaminant carriers: Benzodiazepine sorption on virgin, aged and biofilm-coated particles characterized by MOI-LEI-QQQ MS	
3:36 PM 3:48 PM		Milica Velimirovic	Flemish Institute for Technological Research, BE	Progress in analytical strategies for micro- and nanoplastics detection and characterisation	
3:48 PM 4:00 PM		Stefania Gorbi	Marche Polytechnic University, IT	Chemical characterization and biological effects of leachates from commercial and naturally weathered plastics	
4:00 PM 4:30 PM		COFFEE BREAK			
	4:30 PM 4:42 PM	Jacopo La Nasa	University of Pisa, IT	Exploring the potential of one-pot microwave-assisted pretreatments coupled with Py-GC-MS for the quantification of MPs and associated contaminants	

	4:42 PM 4:54 PM	A. M. Shashini Methsara	University of Kelaniya, LKA	Microplastic Contamination in water and sediment in Anawilundawa Mangrove restoration site, Sri Lanka
	4:54 PM 5:06 PM	Leonardo Barlucchi	University of Pisa, IT	Breathing plastic: quantifying indoor airborne microplastics in industrial workplaces using Py-Gc-MS and fluorescence microscopy
	5:06 PM 5:18 PM	Viktoria Parobkova	Brno University of Technology, CZ	X-ray computed tomography: a novel approach for investigating microplastics in the fish digestive system
	5:18 PM 5:30 PM	Valentina Giglio	National Research Council of Italy, IT	From plastic to soil: tracing the leaching of additives from biodegradable mulch films into the surrounding soil
	5:30 PM 7:00 PM	POSTER SESSION		
21 Oct	MORNING SESSION			
	9:00 AM 9:30 AM	Nicolas Keller	Institute of Chemistry and Processes for Energy, Environment and Health - CNRs/UdS, FR	Light-Driven Advanced Oxidation Processes as Sustainable Technologies for Remediation and Upcycling of Micro/Nanoplastics
	9:30 AM 9:42 AM	Silvia Merlino	National Research Council of Italy, IT	Preventing microplastic formation: the EPIC project’s integrated response to marine macrolitter accumulation
	9:42 AM 9:54 AM	Jovana Pantic	Faculty of Technology Novi Sad, RS	Upcycling agro-waste into green materials: protein-based films from plum oil cake
	9:54 AM 10:06 AM	Immacolata Liotta	National Research Council of Italy, IT	Degradation studies of biodegradable polymers in simulated marine environments
	10:06 AM 10:18 AM	Agnieszka Dabrowska	University of Warsaw, PL	Ghost nets: environmental ageing, plastic tides, and sustainable mitigation strategy by recycling to blends
	10:18 AM 10:30 AM	Silvia Galafassi	National Research Council of Italy, IT	Plastic degradation and biofilm formation in freshwater environments: insights from short- and long-term studies
	10:30 AM 10:42 AM	Stefania Piarulli	SINTEF Ocean, NO	Towards a smarter aquaculture: safe and sustainable by design approaches to reduce microplastic emissions from nets and ropes
	10:42 AM 10:54 AM	Davide Poletto	Venice Lagoon Plastic Free, IT	‘Ghost boats’ in venice: environmental concerns, green chemical fingerprint, circular and sustainable end-of-life-solutions
	11:00 AM 11:30 AM	COFFEE BREAK		
	11:30 AM 12:00 PM	Giuseppe Suaria	Institutes of Marine Research ISMAR - CNR, IT	Occurrence, Sources, Fate, Accumulation and Transport Dynamics of Textile Fibres in Oceanic Environments
	12:00 AM 12:12 AM	Stefania Federici	University of Brescia, IT	True-to-life microplastics: bridging laboratory and environmental relevance
	12:12 AM 12:24 AM	Gabriela Kalcikova	University of Ljubljana, SI	Biodegradable but persistent? Insights into the environmental implications of microplastics from biodegradable plastics
	12:24 AM 12:36 AM	Erika Baldini	University of Ferrara, IT	Microplastics in mussels (<i>Mytilus Galloprovincialis</i>): a nationwide survey of marine pollution in italian coastal waters
	12:36 AM 12:48 AM	Paul John Pastor	Caraga State University, PH	Polymeric risk assessment of microplastics reveals ingestion of hazardous polymers by true crabs (<i>Crustacea: Decapoda: Brachyura</i>) in Cebu, Philippines
	12:48 AM 13:00 AM	Sara Vencato	National Research Council of Italy, IT	Imprinted by plastic: tracing site-specific microplastics and phthalates in <i>Parapenaeus Longirostris</i>
	1:00 PM 2:30 PM	LUNCH		

21 Oct	AFTERNOON SESSION			
	2:30 PM 3:00 PM	Margherita Ferrante	University of Catania, IT	Micro and Nano-Plastics a new Concern for Public Health?
	3:00 PM 3:12 PM	Eloísa Toscan Massignam	Istituto Zooprofilattico Sperimentale delle Venezie, IT	Unmasking the resistome on microplastics in marine habitats: potential routes of antibiotic resistance to humans via shellfish
	3:12 PM 3:24 PM	Giulia Nannini	University of Florence, IT	Impacts of nano and microplastic mixtures on the microbiota-immunity axis in C57BL/6J wild-type mouse model
	3:24 PM 3:36 PM	Filippo Vaccari	Università Cattolica del Sacro Cuore, IT	Microplastics and human gut health: in-vitro fermentation and shotgun metagenomics reveal microbiome and functional shifts in healthy and ALS individuals
	3:36 PM 3:48 PM	Serena Ducoli	University of Brescia, IT	From biomolecules to biofouling: the broad-spectrum adsorption capability of true-to-life micro- and nanoplastics
	3:48 PM 4:00 PM	Gea Oliveri Conti	University of Catania, IT	A correct waste management for the health protection: a focus on microplastics
	4:00 PM 4:30 PM	COFFEE BREAK		
	4:30 PM 4:42 PM	Maria Teresa Gentile	University of Naples Federico II, IT	Polystyrene nanoparticles induce DNA damage and apoptosis in HeLa cells
	4:42 PM 4:54 PM	Amandine Caruana	Oceanography and Dynamic of Ecosystems, FR	Role of plastics (PVC and plasticizers) as potential vectors of harmful algae and their toxins: a case study of <i>Vulcanodinium rugosum</i> and <i>Alexandrium pacificum</i>
	4:54 PM 5:06 PM	Vincenzo Donnarumma	University of Cagliari, IT	Microplastics alter microbial communities and biogeochemical cycling in coastal sediments
	5:06 PM 5:18 PM	Mohamed Othmani	University of Tunis El Manar, TN	Impact of submerged marine debris on the structure, functioning and evolution of benthic communities in the bay of Monastir, Tunisia
	5:18 PM 5:30 PM	Chiara Maria Motta	University of Naples Federico II, IT	Polystyrene toxicity: comparative effects of microbeads of 1 and 3 micrometers on <i>Xenopus laevis</i> embryo development
	5:30 PM 7:00 PM	POSTER SESSION		
22 Oct	MORNING SESSION			
	9:00 AM 9:30 AM	Joao Frias	Atlantic Technological University, IE	Fashion Fades, Microplastics are Eternal – A Literature Review into the Colours of Microplastic Fibres Worldwide
	9:30 AM 9:42 AM	Giuseppe Milano	University of Naples Federico II, IT	Modeling nanoplastic in action: molecular structure, dynamics, interactions, and environmental fate
	9:42 AM 9:54 AM	Ceri Lewis	University of Exeter, UK	Lessons from the Galapagos: mapping the fate and ecological interactions of micropalstics across a marine reserve to inform management solutions
	9:54 AM 10:06 AM	Luca Fambri	University of Trento, IT	4 years monitoring plastics contamination in fresh water of lake Garda with Seabin – seasonal effects, microplastics and alien species
	10:06 AM 10:18 AM	Isam Sabbah	Braude, College of Engineering, IL	Nature-inspired physicochemical process: Jellyfish mucin for efficient removal of nanoplastics from water
	10:18 AM 10:30 AM	Valentina Marturano	National Research Council of Italy, IT	Functionalization of natural polymers with vanillic acid derived from pet waste
	10:30 AM 10:42 AM	Tamara Galloway	University of Exeter, UK	Strengthening global plastics research with systems research: a one health evaluation
	10:42 AM 10:54 AM	Lucia Gardossi	University of Trieste, IT	Enzymatic synthesis and structural modeling of bio-based oligoesters as an approach for fast screening of marine biodegradation and ecotoxicity
	11:00 AM 11:30 AM	COFFEE BREAK		
	11:30 AM 12:00 PM	Anne Stevenson	University of Minnesota Extension, USA	Teens as environmental change agents: young people develop and implement innovative educational strategies to address issues of plastics
	12:00 AM 12:12 AM	Monia Renzi	University of Trieste, IT	Frontiers in microplastics and nanoplastics research: principal gaps and future perspectives
	12:12 AM 12:24 AM	Raghuvir Das	Wuppertal Institute fur Klima, Umwelt and Energie, DE	A plastic credit based approach to financing plastic waste management: a case study from Malappuram district Kerala
	12:24 AM 12:36 AM	Esther Kentin	Leiden University, NL	The right of consumers to information: what should we know about plastic?
	12:36 AM 12:48 AM	Matteo Puntoni	University Hospital of Parma, IT	Surveys of knowledge and awareness of plastic pollution and risk reduction behavior in the general population: a systematic review and cross-cultural validation of a questionnaire
	12:48PM 1:00PM	Awards & Conclusion		