		11:00 am	Coffee Break & Networking
	Thursday, 29 August		Session II: Methodology Development for Micro- and Nanoplastics Analysis  » Chair: Dr. Rajat Nag and Dr. Abhrajyoti Tarafdar  Health Sciences Centre, Room C007
8:15 am	Registration Main Entrance, UCD Health Sciences Centre	11:30 am	Automated Microplastics Identification from <500nm to mm's: Particle Shape/Size Artefact-Free Submicron IR and Simultaneous Raman with Fluorescence Imaging to Pre-Filter
9:00 am	Conference Opening Session Health Sciences Centre, Room C007		» Miriam Unger, Photothermal Spectroscopy Corp. GmbH
	Session I: Methodology Development for Micro- and Nanoplastics Analysis  » Chair: Prof. Aoife Gowen	11:45 am	Exploring Micro- and Nanoplastic Pollution Through More Realistic Test Materials  » Stefania Federici*, University of Brescia
9:15 am	Plenary Lecture Plastic Pollution – Human Health vs. Environment » Prof. Jacob de Boer, Vrije Universiteit Amsterdam	12:00 pm	Microplastic Detection in FFPE Colon Tissue Sections Using High-Resolution Infrared Spectroscopy »Verena Karl, RECENDT GmbH
10:00 am	Cultured Kidney Cells Show Nanoplastic Uptake and Impairments in Growth and Cell Cycle Following Long-Term Exposure	12:15pm	Neurotoxicity Induced by Microplastics and Nanoplastics » John Placheril*, IIS (Deemed to be) University
	» Hayden Gillings, Flinders University	12:30 pm	<b>Degradation Products of Plastics Are Markers of Microplastics</b> » José P. Da Silva, Centre of Marine Sciences Algarve
10:15 am	EnderScope: A Low-Cost 3D Printer Based Microscope for Microplastic Detection  » Niamh Burke, University College Dublin	12:45 pm	Development of a Quality Control Tool for Standardising Microplastics Testing on the Laser Direct Infrared Imaging System » Fisayo Olotu, Queen Mary University of London
10:30 am	Non-Contact Detection of Fluorescent Microplastic Particles in Water Flow Using Spectrometry  » Nico Merck, University of Rostock	1:00 pm	A New Screening Framework to Support The Identification of Microplastic Particles in Situ in Pathological Tissue Samples » Stephanie Wright*, Imperial College London
10:45 am	Painting Microplastics: A Novel Generative Methodology for	1:15 pm	Lunch Break & Networking
	Future Microplastic Research » T Joshua Osborne, University of Surrey	2:00 pm	Virtual Poster Showcase Health Sciences Centre, Room C007

	Continued from Thursday, 29 August	5:15 pm	Validation of A Protocol to Measure Size and Concentration Measurements of Microplastics in Synthetic Samples by Dynamic Light Scattering »Paola Jimenez Chaves, University of Costa Rica
	Session III: Potential Health Impacts of Micro- and Nanoplastics  » Chair: Dr. Eoin Brennan  Health Sciences Centre, Room C007	6:00 pm	Gala Dinner at UCD University Club
3:00 pm	Plenary Lecture Microplastic Exposures at the Beginning of Life » Prof. Amy O'Higgins, University College Dublin		Friday, 30 August
4:00 pm	Impact Of Nano- and Microplastics on Blood Pressure »Liesa Geppner, Danube Private University	8:15 am	Registration Main Entrance, UCD Health Sciences Centre
4:15 pm	Detection of Microplastics in Bottled Water Using Optical Photothermal Infrared  » Xiaohui Lin, University College Dublin		Session IV: Human and Environmental Exposure to Micro- and Nanoplastics  » Chair: Dr. Clare Reynolds  Health Sciences Centre, Room C007
4:30 pm	Toxicological Assessment of Benzo(A)Pyrene-Coated PET Microplastics in Vitro On A 3D Model of The Human Bronchial Epithelium » Safaa MAWAS, Université Paris Cité	9:00 am	Plenary Lecture Advancements and Challenges in Assessing Human Exposure to Nanoplastics and Microplastics » Prof. Kevin Thomas, The University of Queensland
4:45 pm	Epithelial Barrier Theory for The Development of Allergic and Autoimmunity Diseases: Exploring Implications for Microplastics »Cezmi Akdis*, University Zurich	10:00 am	Analysis of Plastic Distribution in Coastal and Farming Areas of Shanghai  » Shuai Chen*, Shanghai Polytechnic University
5:00 pm	Nanoplastics in Coastal Environments: Challenges, Solutions, and Future Directions  » Wei Xu*, Texas A&M University - Corpus Christi	10:15 am	An Assessment of Microplastic Contamination in Commercially Important Brachyuran Crab Portunus Sanguinolentus of Gujarat State, India » Vasantkumar Rabari, Hemchandracharya North Gujarat University

Note: Names marked with \* are invited speakers.

	Continued from Friday, 30 August	12:30 pm	Pathways of Human Exposure to Micro and Nanoplastics: Food, Air, and Medical Treatment » Sedat Gündoğdu*, Cukurova University
10:30 am	Assessment of Suspended Atmospheric Microplastics in Qatar: Sources, Distribution and Potential Health Risks  » Hashir Puthukkudi Kuningarath, Qatar University	12:45 pm	Marine Plastisphere: Vector for Accumulation of Trace Metals and Interesting Species  » Joao Frias*, Atlantic Technological University
10:45 am	Sustainable Edible & Ecofriendly Packaging Films & Tableware Tackling Plastic Pollution  » Paramasivam Raajeswari*, Avinashilingam University	1:00 pm	Effects of Microplastics on Growth and Yield of Tomato Under Greenhouse Condition  » Adeola Adelugba, Dalhousie University
11:00 am	Coffee Break & Networking	1:15 pm	Lunch Break & Networking
	Session V: Human and Environmental Exposure to Micro and nanoplastics  » Chair: Dr. Anna Molter  Health Sciences Centre, Room C007	2:00 pm	Virtual Poster Showcase Health Sciences Centre, Room C007
11:30 am	Mapping Human Immune Responses to Micro and Nanoplastics: The Norwegian Football Field Study »Berit Granum, Norwegian Institute of Public Health		Session VI: Remediation Strategies for Micro- and Nanoplastics  » Chair: Dr. Tamírís Da Costa and Dr. Xiaohui Lin  Health Sciences Centre, Room C007
11:45 am	Prevalence of Microplastics in Estuarine Ecosystem: Insights from India  » Aiswriya Vijayalekshmi Padmachandran, Central University of Kerala	3:00 pm	Floating Solar Panel-induced Microplastic Contamination in Surface Water  » Mainak Bhattacharya, Indian Institute of Technology Delhi
12:00 am	Investigation of Microplastics Release from Plastic Products » Liwen Xiao*, Trinity College Dublin	3:15 pm	Predicting Micro- and Nanoplastic Reduction in Drinking Water Distribution System Via Biofilm Attachment » Ahana Sarkar, University College Dublin
12:15 pm	Microplastics Abundance and Distribution Across Composting Phases of Municipal Solid Waste  » Chijioke Emenike, Dalhousie University	3:30 pm	Synthesis Gas Production from High-Temperature Gasification Treatment of Microplastic Waste Using Thermal Plasma » Yang Zhou, China University of Mining and Technology

	Continued from Friday, 30 August
3:45 pm	Remediation of Toxic Nanoplastics and The Heavy Metal Ions from Water  » Zahid Ahmad Ganie, Indian Institute of Science Education and Research Kolkata
4:00 pm	Biodegradation of Pristine and Pretreated High-Density Polyethylene Microplastics by Fungus Aspergillus Flavus  » Sheetal Kothawale, IIT Bombay
4:15 pm	Additive Chemicals in Daily Use Food-Grade Plastics- A Serious Concern » Garima Kaushik, Central University of Rajasthan
4:30 pm	Beyond Beads: A Story of Plastic Microbeads Regulations and Future Policy Needs  » Riya Kumbukattu Alex, Cochin University of Science and Technology
4:45 pm	Closing Remarks Announcement Young Scientist Travel Grant Best Poster Award

## **Instructions for Online Attendance**

#### **How to Attend Online**

To attend the conference virtually, simply use the Zoom link provided below. This will grant you access to all live sessions, including keynote speeches, panel discussions, and virtual poster showcases.

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### **Guidelines for Online Speakers**

- Join the webinar **10 minutes** before the session begins. You will receive a notification saying, "The host would like to promote you to panelist." Please click "Join as Panelist" to proceed.
- To share your PowerPoint presentation:
  - Open Your PowerPoint Presentation: Start the "Slide Show" in PowerPoint.
  - Return to Zoom: Make sure the Zoom window is active.
  - Click "Share Screen": In the Zoom meeting controls, click the "Share Screen" button.
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  - Click "Share": Click the "Share" button to begin sharing your presentation.
- Online speakers are encouraged to participate in a **testing session** before the conference. Please coordinate with Cihang Yang (cihang.yang@ucdconnect.ie) and Zhongyuan Liu (zhongyuan.liu@ucd.ie) to schedule this testing.