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Global Challenges Initiatives



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Plastic Pollution and Bioplastic Materials

Venice International University

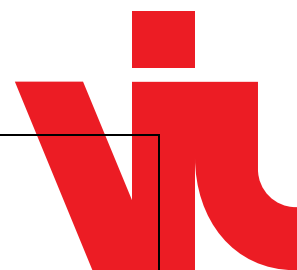
September 27 – October 1, 2021

Faculty

Emanuela Gatto, Tor Vergata University of Rome
 Luisa Campagnolo, Tor Vergata University of Rome
 Mariano Venanzi, Tor Vergata University of Rome
 Valentina Modesti, Contamination Hub, Tor Vergata University of Rome
 Michele Modesti, University of Padova
 Alessandra Lorenzetti, University of Padova
 Alessandro Manzardo, University of Padova
 Alexander Golberg, Tel Aviv University

Agenda

Time	Monday Sept. 27	Tuesday Sept. 28	Wednesday Sept. 29	Thursday Sept. 30	Friday Oct. 1
9:00-11:00	General overview: plastic, synthesis, properties and applications <i>Prof. Emanuela Gatto</i>	State of the art of plastic recycling <i>Prof. Michele Modesti</i>	Bioplastic: definition and numbers <i>Prof. Emanuela Gatto</i>	Bioplastic from bacterial fermentation: PHA, PHB and PLA <i>Prof. Alexander Golberg</i>	Life Cycle Assessment and Footprinting for the sustainable management of plastics <i>Prof. Alessandro Manzardo</i>
11:00-13:00	11:00-12:00 Pollution due to plastic materials, politics and related laws <i>Prof. Emanuela Gatto</i>	11:00-12:00 Advanced methods of selection and characterization of plastics <i>Prof. Alessandra Lorenzetti</i>	11:00-12:00 Natural biopolymers: physical chemistry characteristics <i>Prof. Mariano Venanzi</i>	Sampling and analysis of real samples Laboratory	Transversal skills session: training a LCA approaches <i>Prof. Alessandro Manzardo</i>



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	12:00-13:00 Transversal skills session: problem solving (plastic pollution) <i>Dott.ssa Valentina Modesti</i>	12:00-13:00 Chemical, physical and engineering processes in plastic recycling <i>Prof. Alessandra Lorenzetti</i>	12:00-13:00 Bioplastic from natural biopolymers: synthesis, characterization and properties <i>Prof. Emanuela Gatto</i>		
13:00-14:30 Lunch Break					
14:30-16:30	Health problems due to plastic <i>Prof. Luisa Campagnolo</i>	Chemical, physical and engineering processes in plastic recycling <i>Prof. Alessandra Lorenzetti</i>	14:30-15:30 Synthesis of bioplastic materials Laboratory <i>Dott.ssa Raffaella Lettieri</i>	Transversal skills session: presentation skills <i>Prof. Prof. Mariano Venanzi</i>	Final discussions and Wrap-up
16:30-18:30	Transversal skills session: -me in 3 minutes -Team & Communicating <i>Dott.ssa Valentina Modesti</i>	Transversal skills session: World 2030: plastic free? <i>Dott.ssa Valentina Modesti</i>	Transversal skills session: Start-ups and spin-offs <i>Prof. Alexander Golberg</i>	Poster session	