



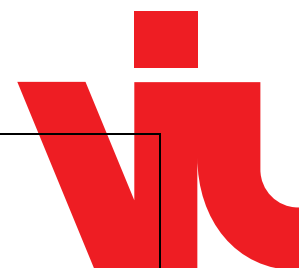
**International PhD Academy  
Global Challenges Initiatives**

**Plastic Pollution and Bioplastic Materials**

**Venice International University  
September 27 – October 1, 2021**

**Agenda**

<b>Time</b>	<b>Monday Plastic Materials</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<b>9:00-11:00</b>	General overview: plastic, synthesis, properties and applications  <i>Prof. Silvia Licoccia</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 Goldberg</i>	Life Cycle Assessment and Footprinting for the sustainable management of plastics  <i>Prof. Alessandro Manzardo</i>
<b>11:00-13:00</b>	<b>11:00-12:00</b> Pollution due to plastic materials, politics and related laws  <i>Prof. Emanuela Gatto</i>	<b>11:00-12:00</b> Advanced methods of selection and characterization of plastics  <i>Prof. Lorenzetti Alessandra</i>	<b>11:00-12:00</b> Natural biopolymers: physical chemistry characteristics  <i>Prof. Mariano Venanzi</i>	Sampling and analysis of real samples  Laboratory  <i>Prof. Alessandro Manzardo</i>	Transversal skills session: training a LCA approaches  <i>Prof. Alexander Goldberg</i>



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