

BIP – Circularity of polymers

Week Schedule

Day 1 – 18.03.2024

Basic polymer information

Time	Lecturer	Institution	Title
9:00-10:00	Welcome section		
10:00-11:00	Anton Ginzburg	KULeuven	Basics of polyolefins: from synthesis and macromolecular analysis to processing and applications
11:00-11:30	Coffee break		
11:30-12:30	Naceur Belgacem	Grenoble INP-Pagora	Synthesis of polymers by polycondensation and polyaddition routes
12:30-13:30	Naceur Belgacem	Grenoble INP-Pagora	Bio-refinery concept
13:30-15:00	Lunch		
15:00-16:00	Anna Jakubiak-Marcinkowska	WUST	Polymers additives
17:30-19:00	City tour		

Day 2 – 19.03.2024

Polymers recycling (methods, problem with additives)

Time	Lecturer	Institution	Title
9:00-10:00	Thomas Rödel	HS Mersenburg	Ecological balance of Bio-Polymers
10:00-11:00	Marc Delgado Aguilar	University of Girona	Closed- and open-loop recycling of polymers and composites
11:00-11:30	Coffee break		
11:30-12:30	Agnieszka Lipowczan	PCC Rokita	Sustainability in polyurethane industry – reality or just greenwashing?
12:30-13:30	Fatma Yalcinkaya	Technical University of Liberec	The circularity of polymers in the Textiles Sector
13:30-15:00	Lunch		
15:00-16:00	Stanisław Frąckowiak	WUST	Compostable & sustainable plastics - challenges in post-consumer waste processing.
17:30-19:30	Consortium meeting/ Evening refreshment		

Day 3 – 20.03.2024

Heteropolymers, bio-based materials and biopolymers

Time	Lecturer	Institution	Title
9:00-10:00	Pieter Billen	UAntwerpen	Chemical recycling of polycondensation heteropolymers (PU, PET, PA, PLA)
10:00-11:00	Aurore Oliver	HELHa	Surface-grafting polymers : a way to modify surface properties
11:00-11:30	Coffee break		
11:30-12:30	José Alberto Méndez	University of Girona	Biodegradable polyesters, alternative materials? Advantages and drawbacks
12:30-13:30	Fabiola Vilaseca	University of Girona	Material Flow Analysis (MFA) of plastics. Circularity of Bio-based polymers
13:30-15:00	Lunch		
15:00-16:00	Izabela Pawlaczyk-Graja	WUST	Biopolymers
16:00-17:00	Teamwork		

Day 4 – 21.03.2024

Today's challenges

Time	Lecturer	Institution	Title
9:00-10:00	Selim Oleksowicz	Łukasiewicz Research Network	Valuable waste – how to recover and reintroduce difficult-to-recycle materials
10:00-11:00	Piotr Cyganowski	WUST	Materials for photovoltaics
11:00-11:30	Coffee break		
11:30-12:30	João Francisco Silva	ISEP	Thermoplastic-based composites. Applications.
12:30-13:30	Puria Esfandiari	ISEP	Mechanical recycling of polymers
13:30-15:00	Lunch		
15:00-16:00	Anna Siekierka	WUST	Polymer materials for batteries
16:00-19:00	Team presentations and coffee breaks		

Day 5 – 22.03.2024

Sustainability assessments and policy

Time	Lecturer	Institution	Title
9:00-10:00	Michał Barcikowski	WUST	Polymer composites technology & tailored properties
10:00-11:00	Paweł Stabla	WUST	Numerical modelling of composite materials - approaches and examples
11:00-11:30	Coffee break		
11:30-12:30	Laboratory tour		
12:30-13:30	Lunch		
13:30-15:00	Pieter Billen	UAntwerpen	Increasing plastics recycling rates by economic policy interventions, analysis based on TEA
15:00-16:00	Karol Leluk	WUST	Secondary plastics - the burden that has to be faced
16:00-17:00	Closing remarks		