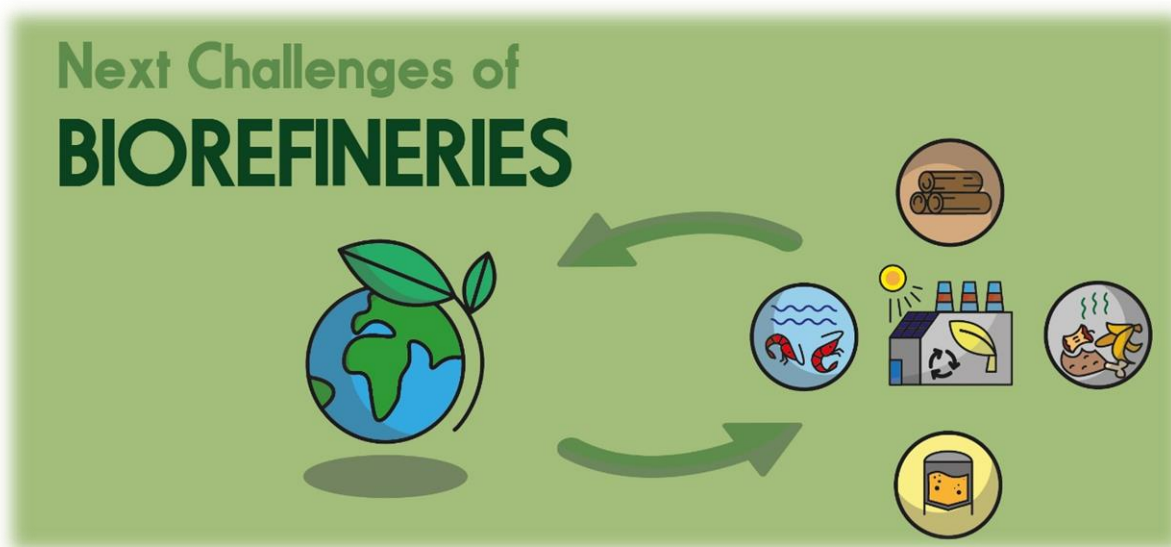


3rd BioSPRINT Workshop

2nd Bilateral Workshop Portugal - Slovenia



June 14-15, 2023

Department of Catalysis and Chemical Reaction Engineering

National Institute of Chemistry, Slovenia

SCIENTIFIC PROGRAMME

Organizing Committee:

Ana Jakob

Jorge F. B. Pereira

Filipa A. Vicente

Acknowledgements:



NATIONAL INSTITUTE
OF CHEMISTRY

BioSPRINT



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FACULDADE DE
CIÊNCIAS E TECNOLOGIA
UNIVERSIDADE DE
COIMBRA



FCT Fundação
para a Ciência
e a Tecnologia

Scientific Programme

June 14th

| | | |
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| 8:40 | Registration | |
| 8:55 | Opening session | |
| 9:00 | Blaž Likozar (NIC) | <i>Catalytic Processes for Engineering Bio-derived Monomer Materials</i> |
| 9:25 | Mija Sežun (Institute for Cellulose and Paper) | <i>From underutilized lignocellulosic biomass to high added value products</i> |
| 9:50 | Edita Jasiukaityte Grojzdek (NIC) | <i>Ethanol-based biorefinery: corellation between lignin characteristics and operating parameters</i> |
| 10:15 | Fernando Russo Abegão (UNEW) | <i>Process Intensification Strategies in Biorefineries Downstream Processing</i> |
| 10:40 | Coffee break | |
| 11:05 | Ljudmila Fele Žilnik (NIC) | <i>Solvent selection and downstream purification in BIOSPRINT</i> |
| 11:30 | Nataša Čuk (Helios) | <i>FDCA in resins for coil coatings</i> |
| 11:55 | Olga Pantic (Institute of Chemistry, University of Belgrade) | <i>Biobased unsaturated polyester resins- step towards biorefinery solution</i> |
| 12:20 | Mojca Zupanc (Faculty of Mechanical Engineering, University of Ljubljana) | <i>Process intensification through cavitation</i> |
| 12:45 | Lunch break | |
| 14:30 | Afternoon session | |
| 15:00 | Robin Rogers (The University of Alabama/525 Solutions, Inc., USA) | <i>The Next Challenges of Biorefineries: Roadblocks, Detours, and Areas Under Construction</i> |
| 16:00 | Filipa A. Vicente (NIC) | <i>Unlocking the Potential of Food Waste Valorization: Sustainable Products and Circular Economy Solutions</i> |
| 16:25 | Jorge F. B. Pereira | <i>Colorant Microbial Biorefineries: Challenges in</i> |

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|-------|---|---|
| | (CIEPQPF, Department of Chemical Engineering, Faculty of Sciences and Technology, University of Coimbra, Portugal) | <i>Selecting the Optimal Solvent for Cell Disruption and Carotenoids Extraction</i> |
| 16:50 | Erick Pastor | <i>From Lab to Market: Navigating the Challenges of Commercializing Novel Scientific Inventions</i> |
| 17:15 | Closing session | |

June 15th

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| 9:00 | Morning session | |
| 9:00 | João A. P. Coutinho (CICECO, Chemistry Department, University of Aveiro, Portugal) | <i>Water based solutions for biorefineries</i> |
| 10:00 | Roland Kalb (proionic GmbH) | <i>HIPE-REC® - Delignification of Lignocellulosic Biomass Utilizing Distillable Ionic Liquids in an Advanced Process Environment</i> |
| 10:25 | Giorgio Tofani (NIC) | <i>Modification of Kraft lignin for its application as recyclable biobased epoxy resin with covalent adaptable network</i> |
| 10:50 | Coffee break | |
| 10:15 | Andrea Minigher (AEP) | <i>Development of novel bio-based polymers for industrial applications</i> |
| 11:40 | Uroš Novak (NIC) | <i>Keep innovations as a scientific contribution or trying to cross the valley of death?</i> |
| 12:05 | Sanja I. Šešlija (Institute of Chemistry, University of Belgrade) | <i>Deep eutectic solvents mediated extraction of pectin from apple pomace: Optimization and characterization studies</i> |
| 12:30 | Lab tour | |
| 13:00 | Lunch break | |
| 14:30 | Afternoon session | |
| 14:30 | Sónia P. M. Ventura (CICECO, Chemistry Department, University of Aveiro, Portugal) | <i>Application of alternative solvents in the development of more sustainable downstream processes for algae- and marine bacteria-based biorefineries</i> |
| 15:00 | Ana Rotter (National Institute of Biology) | <i>Launch of new biorefineries using marine biomass</i> |
| 15:30 | Annamaria Vujanović (Faculty of Chemistry and Chemical Engineering, University of Maribor, | <i>LCA as a tool in designing zero-waste biorefinery</i> |

Slovenia)

16:00 **Coffee break**

16:25 **Matej Žula (NIC)** *Understanding hydrodeoxygenation catalysts through kinetic analysis - preparation of renewable fuels*

16:50 **Claudio Santi (CS-OrGChem - Catalysis Synthesis and Organic Green Chemistry, University of Perugia)** *Selenium based catalysts for new eco-friendly oxidation and the treatment of biomasses*

17:15 **Closing session**