



Eesti Maaülikool
Estonian University of Life Sciences



Valortech ERA Chair



International Symposium on *'Sustainable Solutions for Food Wastes and By-Products Valorisation - The Way Ahead!'*

Organized by the ERA-Chair in VALORTECH, Estonian University of Life Sciences, Estonia

Date: December 13, 2023

Time: 08:30 am to 14:45 pm

Venue: Kreutzwaldi 56, Tartu

Module: On-site/Hybrid mode

Participants: Open for Masters, Doctoral students, public and other professionals

Admission: Free of charge

Sustainable management and upcycling of food industrial waste and by-products have considerably attracted the interest of present-day society. In this interactive symposium, internationally renowned subject experts will share 'state-of-the-art' scientific knowledge on various aspects related to the sustainable conversion of agri-food industrial wastes and byproducts into valuable products via various means. This symposium will be an interactive one aimed at familiarising the general public and scientific community with the positive aspects of valorization towards the environment, industry, and consumers. The symposium will cover topics such as innovative methods for upcycling agri-food biomass, a greener eco-friendly approach of valorization technologies, sustainable food production, smart technologies, and life cycle assessment, all within the scope of the circular economy. Through informative lectures and creative discussions, the participants will gain a deep understanding of the sustainable technologies behind converting biomass into value-added products. With a wide range of topics being covered, this symposium will provide a strong foundation and an exceptional opportunity for participants to exchange information with fellow researchers, the farming community, industry personnel, and policy-makers.

Key themes of the symposium: Circular economy, Valorisation technologies, Green technologies, Sustainability goals, Consumers

Symposium speakers & time Schedule:



Prof. Rajeev Bhat:

ERA-Chair in VALORTECH, Estonian University of Life Sciences, Estonia



Prof. Ioannis Mourtzinis:

Department of Food Science and Technology, Aristotle University of Thessaloniki, Greece



Prof. José de Sousa Câmara:

CQM –Centro de Química da Madeira, Universidade da Madeira, Portugal



Prof. Wee Sim Choo

School of Science, Monash University Malaysia, Selangor, Malaysia



Prof. Timo Kikas: Chair of Biosystems Engineering, Institute of Forestry and Engineering, Estonian University of Life Sciences, Estonia



Prof. Alireza Fazeli:

COMBIVET ERA-CHAIR, Estonian University of Life Sciences, Estonia

Program Schedule:

Date: 13.12.2023	Time: 08:30 to 14:45
8:30 - 9:00	Registration of participants
9:00 - 9:05 Welcome note	Toomas Tiirats , Director Institute of Veterinary Medicine and Animal Sciences Estonian University of Life Sciences, Estonia
9:05 - 09:30 Speaker 1	Rajeev Bhat: Path towards a successful regional circular economy via valorization of agri-food wastes and by-products: Contributions of the ERA-Chair in VALORTECH
09:30 - 10:20 Speaker 2:	Ioannis Mourtzinis: Innovative techniques for extracting and exploiting bioactive ingredients from by-products of the agro-industrial sector

Tea /Coffee break	
Speaker 3: 10:20 -11:10	José de Sousa Câmara: Agrifood by-products as a plethora of impactful bioactive compounds with potential applications - Challenges and pitfalls
Speaker 4: 11:10 - 12:00	Wee Sim Choo: Pectin extraction from food industry by-products
Lunch break	
Speaker 5: 13:00 - 13:50	Timo Kikas: Lignin - The true value of biomass
Speaker 6: 13:50 -14:40	Alireza Fazeli: Extracellular vesicles: A newcomer in the industrial food waste valorization
14:40- 14:45	Vote of thanks and wrapping up

Registration: Once registration for the symposium is completed, an email confirmation and information on the Venue (for in-person attendees) and options to join online will be sent to all the participants.

Deadlines: Interested participants are requested to enroll before December 7, 2023, 23:59 (UTC+3)

Registration link: <https://forms.gle/6XvzT1tc33uHvq9v5>

Moderator: Prof. Rajeev Bhat

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For further information about ERA-Chair in Valortech, please visit the website:

<https://www.valortecherachair.com/>



This event is organized as part of a project that has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement no 810630.