

**RESEARCH INFRASTRUCTURE ON FOOD BIOPROCESSING DEVELOPMENT &
INNOVATION EXPLOITATION – Food Innovation RI**

Online Workshop

***“Sustainable Production of Biobased Products in the
Bioeconomy Era”***

10 November 2021

Agricultural University of Athens



Online Workshop

“Sustainable Production of Biobased Products in the Bioeconomy Era”

Topics

Circular bio-economy principles
Biorefinery development
Green chemistry
Waste valorization
Bio-based products
Industrial applications

Scope

Biorefinery development to produce bio-based products
Development of bio-economy business models
Sustainable industrial applications

Where: Online, <https://diavlos.grnet.gr/epresence-conference-9954>

When: 10 November 2021, 10:00-16:00 CET

To register, please visit:

<https://forms.office.com/Pages/ResponsePage.aspx?id=DQSIkWdsW0yxEjajBLZtrQAAAAAAAAAAAAAAAAAcsfU0VURE9JUTdQSkk2NFo0M0wxSzZFVkVBVUdYMS4u>

Organizer

Department of Food Science and Nutrition, Agricultural University of Athens, Greece

Dr Erminta Tsouko (eri.tsouko@gmail.com) & Dr Sofia Maina (mainasofia@gmail.com)



Online Workshop

“Sustainable Production of Biobased Products in the Bioeconomy Era”

Invited Speakers

Dr Stella Bezergianni, Centre for Research & Technology - Hellas.

Mrs. Rosa González Leyba, AIMPLAS – Technological Institute of Plastics, Spain.

Dr Joachim Venus, Leibniz Institute for Agricultural Engineering and Bioeconomy, Germany.

Dr Mikhail Iakovlev, American Process, US.

Mr. Pavlos Voulgaris, Symbeeosis, Greece.

Prof. Athanasios Koutinas, University of Patras, Greece.

Prof. Konstantinos S. Triantafyllidis, Aristotle University of Thessaloniki, Greece.

Prof. Eulogio Castro, University of Jaen, Spain.

Prof. Piergiuseppe Morone, University of Rome - Unitelma Sapienza, Italy.

Dr James Winterburn, University of Manchester, UK.

Dr Paraskevi Paximada, University of Leeds, UK.

Dr Aristeidis Papagiannopoulos, National Hellenic Research Foundation, Greece.

Dr Dimitris Ladakis, Agricultural University of Athens, Greece



Agenda of Online Workshop

10:00 - 10:10

Welcome Speech

Dr Erminta Tsouko, Department of Food Science and Human Nutrition, Agricultural University of Athens, Greece.

Novel Biobased Products their Properties and Applications

10:10 – 10:30	<p>“Research Infrastructure on Food Bioprocessing Development and Innovation Exploitation – Food Innovation RI”</p> <p>Prof. Athanasios Koutinas, University of Patras, Greece</p>
10:30 – 10:50	<p>“Effect of rheological and structural properties of bacterial cellulose fibrils and whey protein on electro sprayed food-grade particles”</p> <p>Dr Evi Paximada, School of Food Science and Nutrition, University of Leeds, UK.</p>
10:50 – 11:10	<p>“Protein and polysaccharide co-assemblies for applications in food and biomedical sciences”</p> <p>Dr Aristeidis Papagiannopoulos, Theoretical and Physical Chemistry Institute, National Hellenic Research Foundation, Greece.</p>
11:10 – 11:30	<p>“Advanced biofuels towards a carbon neutral economy”</p> <p>Dr Stella Bezergianni, Laboratory Of Environmental Fuels & Hydrocarbons, Centre for Research & Technology – Hellas.</p>
11:30 – 11:50	<p>“Upcycling of by-products from the agri-food industry into sustainable packaging applications”</p> <p>Mrs. Rosa González Leyba, Extrusion Department, AIMPLAS – Technological Institute of Plastics, Spain.</p>

Agenda of Online Workshop

11:50 – 12:30

Break

Sustainable Development of Biorefineries

12:30 -12:50

“Biorefining and the production of biobased chemicals from renewable feedstocks.”

Dr James Winterburn, Department of Chemical Engineering and Analytical Science, The University of Manchester, UK.

12:50 -13:10

“Integrated biorefinery for waste lignocellulosic biomass valorization to fuels, chemicals and polymers”

Prof. Konstantinos S. Triantafyllidis, Department of Chemistry, Aristotle University of Thessaloniki, Greece.

13:10 -13:30

“Pretreatment of biomass as a key step for bioproducts development”

Prof. Eulogio Castro, Department of Chemical, Environmental and Materials Engineering, University of Jaen, Spain.

13:30 – 13:50

“Lignocellulosic Biomass and Residues as Potential Substrates for Industrial Biotechnology”

Dr Joachim Venus, Department of Bioengineering, Leibniz Institute for Agricultural Engineering and Bioeconomy, Potsdam, Germany.

13:50 – 14:15

“Life cycle analysis and life cycle costing for poly(butylene succinate) and poly(lactic acid) production using various renewable resources”

Dr Dimitris Ladakis, Department of Food Science and Human Nutrition, Agricultural University of Athens, Greece.

Agenda of Online Workshop

14:15 – 14:30

Break

Circular Bio-economy and Aspect of The Industrial Sector

14:30 – 14:50

“Regenerative Economics as part of an Ethic and Sustainable Food Production Business”

Mr. Pavlos Voulgaris, SYMBEOSIS Eu Zην SA, Greece.

14:50 -15:15

“Policy strategies, green finance and the transition to a circular bioeconomy”

Prof. Piergiuseppe Morone, Bioeconomy in Transition Research Group BiT-RG, Unitelma Sapienza, University of Rome, Italy.

15:15 – 15:40

“Pretreatments - the holy grail of biorefineries”

Dr Mikhail Iakovlev, American Process International, US.

15:40 – 16:00

Closing section

Dr Apostolis Koutinas, Agricultural University of Athens, Greece



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2014-2020
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- ❑ support **research, education and innovation**
- ❑ implement breakthrough **research delivering knowledge, new products and technologies**
- ❑ deliver open access services to researchers and professionals



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