

## AGENDA

### DAY 1

Thursday, April 27th	8:30-9:00	Check in – Coffee
	9:00-9:15	Welcome
	9:15-13:05	Presentations (WG1: Developing FDCA synthetic routes & WG2: Developing new FDCA-based polycondensates and related properties knowledge) Session Chair: Prof. D. Bikiaris
	9:15-9:45	<b>Invited:</b> Emerging catalytic technologies for the conversion of biomass to specialty chemicals Dr Francois Jérôme, CNRS research director
	9:45-10:15	<b>Invited:</b> Ten years of poly(alkylene furanoates) Assoc. Prof. George Z. Papageorgiou, University of Ioannina
	10:15-10:45	<b>Invited:</b> Accelerating business opportunities in the field of Biobased materials, funding tools, development and upscaling Dr Ioanna Deligkiozi, CEO AXIA Innovation (online)
	10:45-11:05	BDMF: a New Bio-sourced Furanic Platform Molecule for the Green Production of Biodegradable Surfactants and Industrial Chemicals- online presentation Prof. Thierry Benvegnu, ENSCR University of Rennes (online)
	11:05-11:30	Coffee Break
	11:30-13:05	Presentations (WG1 & WG2: continued) Session Chair: Dr. Andreia Sousa
	11:30-11:50	Building a library of furanics in gram scale Asoc. Prof. Fabio Arico, Ca' Foscari University of Venice
	11:50-12:10	Production of FDCA methyl esters from pectin-based aldaric acids: From lab to bench scale Dr Sari Rautiainen, VTT Technical Research Centre of Finland
	12:10-12:30	Development of biobased and sustainable-by-design polymers Prof. Dimitrios Bikiaris, Aristotle University of Thessaloniki
	12:30-12:50	Sustainable and functional furanic monomers cross-linked by UV for the preparation of coatings and 3D objects Dr Nathanel Guigo, Université Côte d'Azur
	12:50-13:05	Catalytic hydrogenation /hydrogenolysis of glucose towards sorbitol and smaller diols/glycols Kyriazis Rekos, Aristotle University of Thessaloniki

13:05-14:00	Lunch break
14:00-15:50	<b>Presentations (WG2: Developing new FDCA-based polycondensates and related properties knowledge) Session chair: Dr. Zoi Terzopoulou</b>
14:00-14:20	Novel biobased copolyesters from 2,4-furandicarboxylic acid, succinic acid and trimethylene glycol with exceptional gas barrier and mechanical properties for sustainable food packaging applications Prof. Nadia Lotti, DICAM-University of Bologna
14:20-14:40	FDCA-based poly(ester amide)s for sustainable food packaging: a comprehensive study Senior assist. Prof. Michelina Soccio, University of Bologna
14:40-15:00	Microstructural development of PEF under uniaxial and biaxial stretching for food packaging Dr Emilie Forestier, Istituto Italiano Di Tecnologia
15:00-15:15	Poly(alkylene vanillates): A novel series of biobased polyesters Eleftheria Xanthopoulou, University of Ioannina
15:15-15:30	Poly(furfuyl alcohol) and furan ring opening: a case where side reactions matter Pierre Dellière, Université Côte D'azur
15:20-15:35	Functional (macro)molecules from renewable monomers Dr Jaroslav Mosnáček, Polymer Institute of the Slovak Academy of Sciences
15:35-15:50	Photocatalytic selective oxidation of 5-hydroxymethylfurfural (HMF): Novel composites of titanate nanotubes with S and N doped reduced graphite Dr Dimitrios Giannakoudakis, Aristotle University of Thessaloniki
15:50-16:00	Coffee Break
16:00-18:00	Management Committee meeting (members only)/ Poster session

### Dinner (optional)

27/04, 7:00 pm, [Thermaikos Garden](#). 18 min walk from meeting location.  
Costs will **not** be covered by AUTH.

**DAY 2**

<b>Friday, April 28th</b>	9:00-10:00	<b>Core Group meeting (members only)</b>
	9:30-10:00	<b>Check in – Coffee</b>
	10:00-11:40	<b>Presentations (WG2: Developing new FDCA-based polycondensates and related properties knowledge) Session chair: Prof. K. Triantafyllidis</b>
	10:00-10:30	Synthesis, characterisation and recycling of furan-based polymers Dr Andreia F. Sousa CICECO and Chemistry Department, University of Aveiro
	10:30-10:50	Vegetable oil based resins for functional applications Prof. Sergejs Gaidukovs, Riga Technical University
	10:50-11:10	Shape memory behaviour and other functional properties of renewable poly(trimethylene furanoate) copolymers modified with aliphatic acids Prof. Anna Szymczyk, West Pomeranian University of Technology
	11:10-11:30	<b>Coffee Break</b>
	11:30-12:55	<b>Presentations (WG2: continued &amp; WG3: Fostering ways to the introduction of newly developed FDCA products in the market) Session chair: Dr. Alexandra Zamboulis</b>
	11:30-11:45	Thermal Analysis of Poly(ethylene 2,5-furandicarboxylate) Reinforced with Various Carbon Nanofiller Dr Dimitra Kourtidou, Aristotle University of Thessaloniki
	11:45-12:00	Introducing 2,5 FDCA in polymers beyond poly(ethylene furanoate): Challenges and benefits Lazaros Papadopoulos, Aristotle University of Thessaloniki
	12:00-12:15	Xylose dehydration to furfural over homogeneous and heterogeneous catalysts in aqueous/biphasic systems Sultana Ioannidou, Aristotle University of Thessaloniki
	12:15-12:35	Techno-economic learning in biorefinery research – a meta-level perspective on three exemplary cases Paul Krassnitzer, Graz University
	12:35-12:55	Assessing the properties of furan-based biopolymers for substituting petrochemical polymers in food packaging applications: An importance performance analysis Moritz Sebastian Primus, Graz University
	12:55-14:00	<b>Lunch break</b>

<b>14:00-15:00</b>	<b>Presentations (WG3: continued)</b> <b>Session chair: Dr Claudia Mair-Bauernfeind</b>
14:00-14:20	Factors influencing market diffusion of FDCA polymer products: A Scenario Analysis Keerthana Thyagaraj, Graz University
14:20-14:40	FDCA in resins for coil coatings Dr Martin Ocepek, Helios TBLUS d.o.o.
14:40-15:00	Hatzopoulos Sustainability Roadmap. The X-Cycle approach Dr Lefteris Tourasanidis, Hatzopoulos S.A.
<b>15:00-15:20</b>	<b>Coffee Break</b>
<b>15:20-16:20</b>	<b>Presentations (WG3: continued)</b> <b>Session chair: Dr Claudia Mair-Bauernfeind</b>
15:20-15:40	Biochemicals and Biopolymers in wood-based products Dr Electra Papadopoulou, Chimar
15:40-16:00	Synthomer- Binding the world together Dr Jorge Moniz, Synthomer
16:00-16:20	Biobased raw materials for coating resins Toine Biemans, Worlée Chemie
<b>16:20-17:00</b>	<b>Closing of the meeting</b>

### In person location

Aristotle University Research Dissemination Center ([KEDEA](#)), Amphitheater 1  
 Tritis Septemvriou Str., Aristotle University's campus

### Internet access

Eduroam: for members of institutes that belong to the eduroam network  
 Auth open: Use guest pass from your tag

### Online participation

Zoom link: <https://authgr.zoom.us/j/97597582455>

### Poster dimensions

A1 portrait (59.4 cm width x 84.1 cm height)