

Session Program

13-17 Sept 2021

**EUROPEAN CONGRESS AND EXHIBITION ON
ADVANCED MATERIALS AND PROCESSES -
EUROMAT 2021**

***H1_Bio-based and Polymeric materials in the
circular economy***

Virtual

Monday 13 September

11:00

H1_Bio-based and Polymeric materials in the circular economy: H1_1_Natural based materials

Session | Location: Room 16

11:00–11:20

Chitin-Glucan Nanopaper Networks from Fungi and Mycelium

Speaker

Dr Andreas Mautner

11:20–11:40

Improved impact properties of transparent composites through bacterial cellulose nanopaper reinforcement

Speaker

Ms Daniela Wloch

11:40–12:00

Functional polymers for water-based modification of cotton fabrics and their effective dyeing under eco-friendly conditions

Speaker

Prof. Georgios Bokias

12:00–12:20

Development of antimicrobial polymeric coatings through water-based processing

Speaker

Ms Denisa Druvari

12:20

14:00

H1_Bio-based and Polymeric materials in the circular economy: H1_2_Applications of eco materials

Session | Location: Room 16

14:00–14:20

Wool aerogels from wool waste for oil absorption and thermal insulation (Keynote)

Speaker

Hai Duong

14:20–14:40

Poop and prejudice: upcycling of animal waste into value added products

Speaker

Dr Andreas Mautner

14:40–15:00

From bio-based cryopreservation strategies to structural modelling: the case study of FucoPol and its scalability to greater structure-function understanding

Speaker

Mr Bruno M. Guerreiro

15:00–15:20

Research on mechanical recycling of bioplastics

Speaker

Mrs Priyanka Main

15:20–15:40

Mineral waste derived geopolymer mixtures for construction**Speaker**

Dr David Hughes

15:40

16:00

**H1_Bio-based and Polymeric materials in the circular economy:
H1_3_Recycling of plastic waste****Session** | **Location:** Room 16

16:00–16:20

Tex2Mat: Recycling of textile waste**Speaker**

Ms Uta Jenull-Halver

16:20–16:40

Biorecycling of Plastics and Textiles**Speaker**

Prof. Georg Guebitz

16:40–17:00

Solvent-based recycling of polypropylene from carpets: Development of functional fibres and coatings from recycled PP**Speaker**

Dr Peter Neugebauer

17:00–17:20

Revaluating mixed plastic wastes by short carbon fibres reinforcement and its life cycle assessment**Speaker**

Kanjanaadee Singkronart

17:20–17:40

Plastic waste recycling in cement-based materials**Speaker**

Matteo Pavese

17:40