

PROGRAMME OVERVIEW

MONDAY, MAY 16

TUESDAY, MAY 17

09h00 – 09h30	Welcome and opening session	
09h30 – 10h30	SESSION 1	SESSION 4
10h30 – 11h00		
11h00 – 11h30	Coffee break	Coffee break
11h30 – 12h00	SESSION 2	SESSION 5
12h00 - 12h30		
12h30 – 13h00	Lunch	Round Table discussion & Closing session
13h00 – 14h00		
14h00 - 14h30	SESSION 3	Lunch
14h30 – 15h30		
15h30 – 17h00	Coffee break & Poster session	Research, Innovation and Exchange Committee meeting
19h30	Gala dinner	



SCIENTIFIC COMMITTEE

Massimiliano Errico – University of Southern Denmark
 José Coelho - Instituto Superior de Engenharia de Lisboa, IPL
 Henrique Matos – Instituto Superior Técnico, UL
 Mariano Martín – Universidad de Salamanca

ORGANIZING COMMITTEE

José Coelho
 Henrique Matos
 Rui Filipe
 Paula Robalo
 Catarina Braz
 Ruben Caramona



IProPBio Workshop Series

Valuable products from residual biomasses towards a greener society (ProGreS)

PROGRAMME

ProGreS 2nd WORKSHOP

From biomass characterization to process synthesis

May 16-17, 2022, Lisbon, Portugal



PROGRAMME ORAL PRESENTATIONS

MONDAY, May 16

09h00 – 09h15 Welcome
09h15 – 09h30 Opening session

SESSION 1 CHAIRPERSON: Henrique Matos

09h30 – 10h30 Keynote
Sustainable process synthesis, design, and analysis: Challenges and opportunities
Rafiqul Gani

10h30 – 11h00
Integrated design of biorefineries based on spent coffee grounds
M. Taifouris, M. Corazza, M. Martín

11h00 – 11h30 Coffee break & poster session

SESSION 2 CHAIRPERSON: José Coelho

11h30 – 12h00
Some thoughts on the various P's of biomass valorization: *Arctium lappa* as a generic example
S.M. Stefanov, D.E.L. Fetzer, A.R.C. de Souza, M.L. Corazza, F. Hamerski, D.S. Yankov, R.P. Stateva

12h00 – 12h30
Functionalization of agro-industrial wastes with lanthanum at room temperature for the removal of arsenic
E.E. Merodio-Morales, D.I. Mendoza-Castillo, H.E. Reynel-Ávila

12h30 – 14h00 Lunch

SESSION 3 CHAIRPERSON: Massimiliano Errico

14h00 – 14h30
Circular bioeconomy principles applied to an industrial biomass liquefaction plant
M. Mateus, T. Moreira, D. Cecílio, L.C. Duarte, M.J.N. Correia

14h30 – 15h00
A propylene glycol-organosolv process for efficient lignin and hemicellulose removal and recovery
B. Sampaio, F. Pinto, F. Carvalheira, L.C. Duarte

15h00 – 15h30
A novel and efficient method for the synthesis of methyl (R)-10-hydroxystereate and FAMES from sewage scum
L. di Bitonto, V. D'Ambrosio, C. Pastore

15h30 – 17h00 Coffee break & poster session

19h30 Gala dinner

TUESDAY, May 17

SESSION 4 CHAIRPERSON: Rui Filipe

09h30 – 10h00
ANTIVIRAL MEDICINALS: Process flowsheet and mass and energy balances
M. Papadaki, E. Giannakopoulos, G. Mihalakakou, G. Santzouk, S. Santzouk

10h00 – 10h30

Design of experiments as a tool to optimize microwave assisted extraction of phenolic bioactives from spent coffee grounds
J.A.P. Coelho, M.P. Robalo, S. Boyadzhieva, R.P. Stateva

10h30 – 11h00

Lipids extraction from sewage sludge using ethyl butyrate for a sustainable production of biodiesel
V. D'Ambrosio, L. di Bitonto, A. Angelini, A. Gallipoli, C.M. Braguglia, C. Pastore

11h00 – 11h30 Coffee break & poster session

SESSION 5 CHAIRPERSON: Paula Robalo

11h30 – 12h00

Modelling and simulation of supercritical CO₂ extraction of oil from grape seeds and spent coffee grounds
R.M. Filipe, J.A.P. Coelho, G.St. Cholakov, R.P. Stateva

12h00 – 12h30

Integrated renewable production of sorbitol and xylitol from switchgrass
G. Galán, M. Martín, I.E. Grossmann

12h30 – 13h00 Round table discussion & Closing session

13h00 – 14h30 Lunch

CHAIRPERSON: Massimiliano Errico

14h30 – 17h00 Research, Innovation and Exchange Committee meeting