

WORKSHOP

TOWARDS BIO-BUTANOL AS FUEL: BIOREFINERY, PROCESSES AND TECHNOLOGIES



WASTE2FUELS



GRANT AGREEMENT
no.: 654623

NAPOLI
July 9 - 10
2018

Università degli Studi di Napoli Federico II
Scuola Politecnica e delle Scienze di Base
Library "F. Gasparini" - Historical section
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The aim of the workshop is to offer a discussion table to researchers involved in bio-butanol production and utilization. Several key issues of the route for the successful industrial production of bio-butanol will be on the table: feedstock selection, pretreatment and hydrolysis processes, fermentation technologies, catalytic ethanol-to-butanol conversion, solvent recovery technologies and the use as fuels.

Although the bio-butanol production is on the verge of the demonstration stage, several of the cited issues are still bottlenecks for the commercialisation route. Current solutions and challenging solutions will be presented and discussed.

Stimulations for further developments and international cooperation on the cited issues are also among the aim of the workshop.

WORKSHOP TOPICS

Upstream

- ▶ Feedstock selection strategies
- ▶ Biomass pretreatment processes
- ▶ Hydrolysis processes
- ▶ Strain improvement/engineering

Downstream

- ▶ Membrane processes
- ▶ Adsorption processes
- ▶ By-product exploitation

Conversions to Butanol

- ▶ Fermentation process and technology
- ▶ Ethanol to butanol catalytic route

Commercialization

- ▶ Butanol use in commercial units
- ▶ Process fingerprints
- ▶ Socio-economic impact

SCIENTIFIC COMMITTEE

M. U. Alzueta (*Universidad de Zaragoza, E*)
E. Bayer (*Weizmann Institute, IL*)
R. Chirone (*CNR-Istituto di Ricerche sulla Combustione, I*)
R. Diez Antolinez (*ITACyL, E*)
A. Fatjó Bruguera (*IRIS, E*)
A. Friedl (*Technische Universität Wien, A*)
P. Lettieri (*University College London, UK*)

P. Götz (*Beuth Hochschule für Technik Berlin, D*)
M. V. Landau (*Ben-Gurion University of the Negev, IL*)
J.M. Lopez Martinez (*Universidad de Madrid, S*)
A. Marzocchella (*Università di Napoli Federico II, I*)
I. Meynial Salles (*National Institute of Applied Science, F*)
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ORGANIZING COMMITTEE

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A. Piscitelli (*BIOPOX - Università di Napoli Federico II, I*)
A. Procentese (*CNR-Istituto di Ricerche sulla Combustione, I*)

Full registrants: Early (Before June 17, 2018) € 130,00
Reduced registrants: (for PhD students) € 80,00

Late € 170,00
Late € 100,00

Registration for delegates and students includes: attendance to the technical sessions, coffee breaks, lunch, copy of the abstract of the contributions and social dinner (only full registration).

Deadlines: abstract submission, June 3, 2018
abstract acceptance, June 10, 2018

Abstract template is available at the website www.waste2fuels.eu

THE WORKSHOP IS ORGANIZED WITHIN
THE WASTE2FUELS PROJECT AND WITH
THE SPONSORSHIP OF:

