



## WCCE11 - 11th WORLD CONGRESS OF CHEMICAL ENGINEERING

IACCHE - XXX Inter-American Congress of Chemical Engineering  
CAIQ2023 - XI Argentinian Congress of Chemical Engineering  
CIBIQ2023 - II Ibero-American Congress of Chemical Engineering  
Buenos Aires - Argentina - June 4-8, 2023

*"The global chemical engineering working for a better future world"*

### GS02-Global Symposium on Bioenergy and Biorefineries: Paving the way for bioenergy and renewable chemicals from residues (JE-II CIBIQ) – A WCCE11 Joint Event

These value-added biobased products can displace their fossil-based counterparts, thus contributing to the transition towards a circular and climate-neutral economy while creating new business opportunities for regional growth. In these challenging times in terms of energy and raw materials supply and environmental concerns, biorefineries are expected to play a crucial role contributing firmly to the transition towards a circular bioeconomy development model.

This Symposium will bring together the latest development for biorefineries industrial deployment with special focus in these areas:

- Lab-scale developments: Biomass resources and characterization
- Biochemical, chemical, thermochemical, and chemo mechanical platforms: biomass upgrading processes
- Techno-economic and environmental assessment of biorefineries
- Innovative fractionation and conversion processes
- New chemicals and materials



### Coordinators

**Carlos Cardona**, *Department of Chemical Engineering, National University of Colombia in Manizales, Colombia, (CO)*

**Eulogio Castro**, *Department of Chemical, Environmental and Materials Engineering, University of Jaén, Spain (ES)*

**Pedram Fatehi**, *Chemical Engineering Department, Lakehead University, Canada (CA)*

**Jalel Labidi**, *Department of Chemical and Environmental Engineering University of the Basque Country, Spain (ES)*

**Apostolis Koutinas**, *Agricultural University of Athens, Greece (GR)*

**Armando Silvestre**, *CICECO, Aveiro Institute of Materials and Department of Chemistry, University of Aveiro, Portugal (PT)*

**Meisam Tabatabaei**, *Environmental Biotechnology Universiti Malaysia Terengganu, Malaysia (MY)*



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## Scientific Committee

Filomena Barreiro, *Polytechnic Institute of Bragança, (PT)*  
Florbela Carvalho, *LNEG-National Laboratory of Energy and Geology Lisbon (PT)*  
María del Mar Contreras, *University of Jaén (ES)*  
Maria Elsbet Fuentes, *University San Luis Gonzaga de Ica (PE)*  
Ángel Galán, *University of Jaén (ES)*  
Concepción Herrera, *University of Malaga (ES)*  
Laureano Jiménez, *University Rovira i Virgili (ES)*  
Keikhosro Karimi, *Vrije Universiteit Brussel (BEL)*

Alfredo Martínez, *Universidad Nacional Autónoma (MX)*  
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Ulrika Rova, *Luleå University of Technology (SE)*  
Arantzasu Santamaria-Echart, *Instituto Politécnico de Bragança, (PT)*  
Joachim Venus, *Leibniz Institute for Agricultural Engineering and Bioeconomy, (D)*  
Fernando Vidal, *University of Sevilla, (ES)*

## Topics

- Biomass characterization and fractionation
- Innovative fractionation processes
- Renewable chemicals and material and biofuels from biomass
- Advances in nano and micro-biomaterials
- Smart sustainable materials including gels, composites, films, sensors
- Process intensification applied to biorefineries
- Techno-economic evaluation and up-scaling
- Life cycle assessment

## Abstract Submission

Abstracts should be submitted using the "Online Submission" section of the **WCCE11 website** from **5 September 2022** onwards.

### VERY IMPORTANT:

During submission select **CIBIQ2023-GS02 Global Symposium on Bioenergy and Biorefineries**  
<https://www.wcce11.org>

The type of preferred presentation should be included in "comments to editor" (Just write Poster or Oral)

## Important dates

### ABSTRACT SUBMISSION

- Deadline for abstract submission: **30<sup>th</sup> October, 2022**
- Author notification (abstract acceptance): **16<sup>th</sup> December, 2022**
- Registration opens February 2023 (each registered author can submit a maximum of 2 abstracts)

### VENUE

The symposium will take place at **UCA Convention Center** located in the Puerto Madero district.

## Contacts

<https://www.wcce11.org>

ABSTRACT SUBMISSION

Online abstract submission  
opens 5 September 2022

Organized by:



ASOCIACIÓN ARGENTINA  
DE INGENIEROS QUÍMICOS  
Centro para la Seguridad  
de los Procesos Químicos

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