



## 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"*

### GS05-Global Symposium on Challenges and Opportunities in Rheology and Product Development (JE-II CIBIQ) – A WCCE11 Joint Event

The rheological characterization of materials is essential in many processes, in order to guarantee adequate performance and optimization. In the same way, the optimization of rheological behaviour is also fundamental in product formulation and development, considering the final application envisaged. This is true for a wide range of industrial sectors, including applications in health, environment, food and cosmetics, among others. In line with this demand, rheological characterization and equipment have been evolving, the most recent developments involving the use of hybrid equipment, combining the possibility of evaluating simultaneously different materials/product properties, along with rheological ones, to assess more easily the influence of properties such as chemical composition or particle size in the product rheological behaviour. The main objective of this symposium is to favour the interaction of scientists, engineers, and industrial professionals towards the discussion of the latest developments in the field of rheology concerning product development. Oral presentations and posters are expected to focus on recent scientific and technological progresses in rheology, especially when applied to product or processes development. Researchers from scientific institutions and industries, including equipment producers, are invited to send their contributions. The symposium is expected to lead to the opportunity of strengthening the cooperation not only between different scientific areas but also at the intersectoral level.



### Coordinators

**Maria Graça Rasteiro**, *Chemical Engineering Department, University of Coimbra, Portugal (PT)*

**Maria Teresa Cidade**, *Nova School of Sciences and Technology, New University of Lisbon, Portugal (PT)*

**Antonio Guerrero**, *Chemical Engineering Department, University of Seville, Spain (ES)*



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## Scientific Committee

Luís Alves, *University of Coimbra, (PT)*  
Nicole R. Demarquette, *Université du Québec, (CA)*  
Diana Estenoz, *Universidad Nacional del Litoral, (AR)*  
Veruscha Fester, *Cape Peninsula University of  
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ETH Zurich, (CH)*  
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Sheyun Shin, *Korea University, (KR)*  
Juan de Vicente, *University of Granada, (ES)*  
Manfred Wilhelm, *Karlsruhe Institute of Technology, (D)*

### Topics

- Gels and self-assembling structures
- Rheology of suspensions and fibres
- Rheology of emulsions and foams
- Solids, Glasses and Composites
- Rheology of polymer solutions and melts
- Food rheology
- Bio-rheology
- Microrheology and interfacial rheology
- Extensional rheology
- Computational rheology
- In-line/on-line rheological monitoring
- Rheology in product formulation
- Multi-analysis equipment in rheology
- Industrial rheology and processing

### 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-GS05 Global Symposium on Challenges and Opportunities in Rheology and Product Development**

<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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