



## 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"*

### GS06-Global Symposium on Emerging Contaminants: Recent Advances on Removal Treatments of Emerging Contaminants from Water and Wastewater (JE-II CIBIQ) – A WCCE11 Joint Event

The persistent manifestation and toxicological influence of **Emerging Contaminants** pose adverse effects on several both environmental matrices and humans, directly via bioaccumulation or indirectly through the food chain. The main scope of this Symposium is to promote the discussion among researchers, professors, and industrial professionals on the latest trends about the efficient removal technologies of emerging contaminants from different aqueous environments. Thus, Abstracts (on oral presentations and posters format) focused on **detection/analysis** of emerging contaminants as well as removal technologies based on **adsorption** (onto carbon materials, and other solids, such as zeolites, clays, MOFs, etc.), **biological treatments**, **coagulation-flocculation** processes, **membrane** treatments (UF, NF, RO, etc.), and **coupling** of **physical/chemical technologies**, are welcomed. This Symposium aims to promote Research and Development (R&D) on emerging contaminants as well as the scale-up of the most used removal techniques up to a real wastewater treatment plants scenario. So, researchers from universities, public institutes and industries are invited to submit their scientific contributions. So, the Symposium will be an opportunity to strength the cooperation as well as generation of new business possibilities for manufacturers, suppliers, as well as analytical companies/laboratories in the field of emerging contaminants detection.



### Coordinators

**Silvia Álvarez-Torrellas**, *Department of Chemical Engineering & Materials  
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**Ana Lea Cukierman**, *ITAPROQ – CONICET, Universidad de Buenos Aires, Argentina, (AR)*

**Helder T. Gomez**, *Centro de Investigación de Montaña (CIMO), Instituto Politécnico de  
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University of Porto, Portugal, (PT)*



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### GS06-Global Symposium on Emerging Contaminants:

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### Scientific Committee

Ioannis Anastopoulos, *University of Ioannina (GR)*

Conchi O. Ania, *CEMHTI-CNRS (FR)*

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Shahid ul Islam, *University of California (Davis) (USA)*

Jorge Rodríguez-Chueca, *Polytechnic University of Madrid (ES)*

Juana Maria Rosas Martinez, *University of Malaga (ES)*

### Topics

- Detection/analysis of emerging contaminants
- Adsorption of emerging contaminants:
  - Adsorption onto carbon materials.
  - Adsorption onto other adsorbents (clays, zeolites, MOFs, composites, nanomaterials, hydrogels, etc.)
- Aerobic and anaerobic biological treatments.
- Coagulation/flocculation processes
- Membrane treatments (ultrafiltration, nanofiltration, reverse osmosis, etc.)
- Coupling of physical/chemical technologies.

### 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-GS06 Global Symposium on Emerging Contaminants**

<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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