



WCCE11 - 11th WORLD CONGRESS OF CHEMICAL ENGINEERING

IACCHE - XXX Inter-American Congress of Chemical Engineering

CAIQ2023 - XI Argentinian Congress of Chemical Engineering

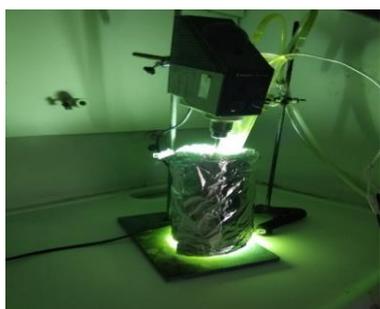
CIBIQ2023 - II Ibero-American Congress of Chemical Engineering

Buenos Aires - Argentina - June 4-8, 2023

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

GS09-Global Symposium in Advanced Oxidation Processes: from radicals to clean water (JE-II CIBIQ) – A WCCE11 Joint Event

Advanced Oxidation Processes have gained an increasing interest in the water treatment industry due to their wide versatility. This includes the treatment of complex industrial wastewaters, the elimination of contaminants of emerging concern in wastewater treatment plants or even water conditioning towards human consumption. Over the past decades, research on AOPs has evolved employing a wider range of oxidants (such as H_2O_2 , ozone, persulfate, percarbonate or peracetic acid, amongst others) but also due to the apparition of intensification strategies that include the application of different radiation sources (UV-vis, ultrasounds, microwave), high temperature processes and electro-oxidation technologies. This symposium will contribute to bring closer these technologies to the main industrial areas that require specialized advanced water treatments. In this sense, the symposium serves as meeting point for research centres, public institutions and industry to tackle current and future challenges in a cooperative way.



Coordinators

Jose A. Casas de Pedro, *Department of Chemical Engineering, Universidad Autónoma de Madrid, Spain (ES)*

Daphne Hermosilla, *Departamento de Ingeniería y Gestión Forestal y Ambiental, Universidad Politécnica de Madrid, Spain (ES)*

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Scientific Committee

Orlando Mario Alfano, *Inst de Desarrollo Tecnológico para la Ind Quí (INTEC), UNL-CONICET (AR)*

David Contreras, *Analytical and Inorganic Chemistry Department, University of Concepcion (CL)*

Jose Colina, *Department of Chemical Engineering, University of Cartagena (CO)*

Marcia Dezotti, *Instituto Alberto Luiz Coimbra de Pós-Graduação e Pesquisa de Engenharia (COPPE), Federal University of Rio de Janeiro (BR)*

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Despo Fatta-Kassinis, *Department of Civil and Environmental Engineering, Univ of Cyprus (CY)*

Reyna Natividad, *Centro Conjunto de Investigación en Química Sustentable UAEM-UNAM, (MX)*

Madjid Mohseni, *Chemical and Biological Engineering Department, University of British Columbia, (CA)*

Marta Litter, *Consejo Nacional de Investigaciones Científicas y Técnicas, (AR)*

Luigi Rizzo, *Civil Engineering Department, University degli Studi di Salerno (IT)*

Adrian Silva, *Department of Chemical Engineering, University of Porto (FEUP) (PT)*

Topics

- Industrial wastewater treatment
- New catalysts for AOP
- AOPs' intensification
- Photo-assisted processes
- Hybrid water treatment processes
- Emerging contaminants' depletion and disinfection 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-GS09 Global Symposium in Advanced Oxidation Processes**
<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: **30th October, 2022**
- Author notification (abstract acceptance): **16th 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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WCEC

World Chemical Engineering Council