



INTERNATIONAL CONFERENCE

Ozone and Advanced Oxidation
Science, technologies and applications for a better world

27 - 29 November 2024
Porto, Portugal

EA3G2024 renews with a long series of successful conferences which were organised to provide an international forum for all concerned including fundamental, engineering and applied aspects of oxidation techniques involving ozone and advanced oxidation systems.

The conference will be co-organised with the the Faculty of Engineering of the University of Porto and the University of Coimbra. Interestingly, EA3G2024 will take place after the Winter School on Contaminants of Emerging Concern (CECs) and Disinfection By-Products (DBPs): Occurrence, Impact and Eliminations to be held from 25 - 26 November 2024 at the same venue.

SCOPE AND OBJECTIVES

Population growth associated with increases in urbanization, in consumption, in industrialization, in pollution emissions already lead to shortages of water, food, raw materials and globally to excess resource use and climate change. However, climate and earth-resilient development is still possible by devoting greater efforts to certain key sectors: reduction of emissions to air, better resources management and preservation of the natural ecosystems. This involves particularly the implementation of advanced technologies.

EA3G2024 event thus aims to present an overview of the current state of knowledge and latest advances regarding the use of Ozone and Advanced Oxidation to provide solutions face to these challenges.

Topics of interest relevant to the Conference theme include but are not limited to the combinations of:

- > Reaction mechanisms, kinetics, by-products
- > Ozonation
- > Advanced oxidation
- > Disinfection
- > Ozonolysis
- > Hydraulics, hydrodynamics, mass transfer, contactors
- > Modelling, validation, system design
- > Analytical methods
- > Agri-Food production, safety and quality
- > Waste, Air and Soil treatment
- > Wash water, process water
- > Wastewater treatment, recycling and reuse
- > Ecosystem preservation
- > Industrial applications
- > In-field full scale applications
- > Product / Process R&D
- > Hybrid ozone processes
- > Innovative applications
- > Regulations

PROGRAMME

- > Scientific and technical sessions with oral and poster presentations, discussions
- > Networking opportunities and Exhibition of ozone related products and services
- > Technical visit of ozone plant(s)
- > Conference dinner for delegates and their guests

CALL FOR PAPERS - PUBLICATIONS

Researchers, scientists, practitioners are invited to propose oral or poster presentations related to the theme topics.

Authors should submit an extended abstract in English of two pages (with tables and figures) by 30 May 2024 preferably online at www.ioa-ea3g.org/ea3g2024/

The Programme Committee will notify authors about the acceptance of their papers for oral or poster presentation before 15 July 2024.

During the conference, the Programme Committee will select and award a prize to the best paper presented by a PhD student. All accepted papers will be printed in the conference proceedings handed out to participants at registration. After the conference, the editors of the IOA journal "Ozone: Science & Engineering" will make a final selection for a potential publication as peer-reviewed article.

ASK EXHIBITION AND SPONSORING OPTIONS

The exclusiveness of the conference theme allows exhibitors and sponsors an ideal opportunity to meet a unique and targeted audience. For detailed information on sponsoring options, please contact the IOA-EA3G secretariat to make the most of this event.

REGISTRATION

Registration will be available mid-June 2024. The registration fee will cover scientific and technical sessions, book of abstracts, electronic proceedings, lunches, coffee breaks, exhibition and technical tour.

LANGUAGE AND CONFERENCE VENUE

The official language will be English. The Conference venue will be World of Wine in Porto, Portugal.

CONTACT AND UPDATES

For any request: IOA-EA3G Secretariat

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For updates: Website: www.ioa-ea3g.org/

