

Global Symposium on Emerging Contaminants: Recent Advances on Removal Treatments of Emerging Contaminants from Wastewater
<https://wcce11.org>

Main organisers:

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Program:

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.

Contributions focused on these areas are welcomed:

- 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.

SCIENTIFIC COMMITTEE MEMBERS:

Co-organizer. Emerging contaminants treatment

Ana Rita Lado Ribeiro

LSRE-LCM - Laboratory of Separation and Reaction Engineering – Laboratory of Catalysis and Materials

Chemical Engineering Department, Faculty of Engineering – University of Porto
Porto, Portugal

TOPICS:

1. Emerging contaminants detection/analysis:

Damiá Barceló

Catalan Institute of Water Research (ICRA-CERCA),
Parc Científic i Tecnològic de la Universitat de Girona,
Girona, Spain

Lee Blaney

Vice Chancellor for Environmental Sustainability
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Freiberg, Germany

Triantafyllos Kaloudis

Research Associate in National Center for Scientific Research –NCSR Demokritos
EYDAP, S.A., Water Quality Control
Athens, Greece

2. Adsorption of emerging contaminants, onto several materials:

Ana Lea Cukierman
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Beograd, Serbia

Ioannis Pashalidis
Professor,
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Nicosia, Cyprus

3. Other treatments (biological processes, membranes, coagulation/flocculation, coupling of treatments, etc.)

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