



UNDER THE AUSPICES OF H.E. THE
PRESIDENT OF THE HELLENIC REPUBLIC
MR. PROKOPIOS PAVLOPOULOS
**17TH INTERNATIONAL
CONFERENCE ON CHEMISTRY AND THE
ENVIRONMENT**
16-20 June, 2019, Thessaloniki, Greece

ICCE 2019 SESSION

Oxidation and Advanced Oxidation processes in water and wastewater treatment

Conveners

Urs von Gunten and Jannis Wenk

Keynote Speakers

Peter Tentscher, *Department of Chemistry and Bioscience Aalborg University, Denmark*

Dionysios Dionysiou, *University of Cincinnati, USA*

This symposium will cover all relevant topics related to oxidative processes in natural and technical aquatic systems. The following topics are covered:

1. New mechanistic insights for the characterization of (photo)oxidation and advanced oxidation processes.
2. Micropollutant (photo)oxidation and assessment of transformation products (mechanisms, toxicology)
3. Formation and fate of disinfection/oxidation by-products.
4. Kinetic and mechanistic investigations on inactivation of microorganisms and antibiotic resistance genes or other bioactive components.
5. Principles of novel oxidation and advanced oxidation processes and their applications.

These topics are currently highly relevant in the context of provision of safe drinking, water reuse, enhanced wastewater treatment and photochemical processes in natural aquatic systems.