



ICCE 2019 Session
Symposium on “Oxidation and advanced oxidation in natural and technical aquatic systems”

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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.

