



## ICCE 2019 Session Micropollutants in the aquatic environment

Session Chair: Dimitra Voutsas

Chemicals from urban, industrial and agricultural activities end up through various routes to aquatic environment. Partitioning and transformation processes affect their fate and possible impacts to natural functions and water use. Even at low concentrations these pollutants may pose a significant threat to ecosystems and human health.

Studies on micropollutants in the aquatic environment represent a wide field of environmental research. This session aims to present current scientific knowledge regarding the presence, fate and impact of various classes of priority and emerging micropollutants (such as pesticides, old and new persistent pollutants, pharmaceutical compounds, personal care products, flame retardants, surfactants, engineered metal nanoparticles and microplastics) in surface and ground waters, coastal and marine environment. Studies that deal with active and passive sampling tools, new analytical trends and bioanalytical approaches to assess the occurrence of micropollutants in water, sediments and biota, the processes that govern their fate and, possible risk at different endpoints are welcomed.

