

Special Issue

Emerging Micropollutants: Challenges and Solutions in Detection and Treatment

Message from the Guest Editors

Micropollutants, which are mainly organic chemicals, have been regarded as significant challenges in water treatment due to their low concentrations, exceptional chemical stability, and profound toxicity. Since emerging micropollutants are now widely present in the natural environment, there is an urgent need to understand their nature and characteristics, as well as their transport and transformation patterns in the aquatic environment. The subtopics of a submitted manuscript may include, but are not limited to, the following:

- Establishing fingerprints of micropollutant distribution;
- Determining the toxicity of micropollutants;
- Rapid detection of micropollutants;
- Treatment of micropollutants;
- Treatment of micropollutants in industrial discharges;
- Treatment of micropollutants in domestic emissions;
- Treatment of micropollutants from agricultural emissions;
- Treatment of micropollutants produced by microorganisms;
- Adsorption of micropollutants;
- Membrane separation of micropollutants;
- Chemical oxidation of micropollutants;
- Electrochemical oxidation of micropollutants;
- Photocatalytic oxidation of micropollutants.

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In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST

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