

Special Issue

Emerging Pollutants in Aquatic Environments: Detection, Risks, and Management

Message from the Guest Editors

This Special Issue focuses on the entire life cycle of contaminants, including their emergence, identification, release and leaching, transport and transformation, effects on human health and ecosystems, and methods of mitigation, removal, and risk management. The growing diversity of materials placed on the market makes the aquatic environment a recipient of increasingly complex mixtures of substances whose impacts are difficult to predict. Secondary emissions from technical infrastructure and urbanized environments are also gaining importance, creating additional challenges for monitoring and regulatory frameworks. An important research aspect includes the identification of micro-streams of pollutants arising from the use of everyday products, including “eco” and biodegradable materials. An integrated approach—combining material, hydrological, and ecotoxicological perspectives—is essential for understanding the full scale of potential threats and designing effective preventive actions. **Keywords:** emerging pollutants; water quality; wastewater treatment; aquatic contaminants; environmental monitoring; circular economy

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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.

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