

Special Issue

Emerging Contaminants in Estuarine and Coastal Environments: Dynamics and Impacts

Message from the Guest Editors

Estuarine and coastal ecosystems, subjected to intense anthropogenic pressures, are critical sinks for a diverse array of emerging contaminants (ECs). A comprehensive understanding of the environmental dynamics and ecological impacts of these pollutants is urgently needed. This Special Issue will address key knowledge gaps regarding the fate, transport, and biological effects of ECs, such as persistent organic pollutants (POPs), microplastics, and antibiotics, in these transitional environments. We invite contributions that elucidate the interactions between ECs and aquatic biota at multiple levels of biological organization. Topics of interest include, but are not limited to, the following:

- Dynamics of ECs and their ecological impacts in estuarine and coastal environments;
- Biological effects and toxicological mechanisms of ECs across aquatic organisms;
- The role of environmental mediators (e.g., dissolved organic matter) in modulating the bioavailability and ecological risks of ECs;
- Innovative monitoring and analytical techniques of ECs under realistic environmental scenarios.

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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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