

Special Issue

Eutrophication Management in Coastal Zones for Better Water Quality

Message from the Guest Editors

Estuaries and coastal waters in the Anthropocene have experienced eutrophication, which has deteriorated estuarine and coastal ecosystems across the globe through a series of consequential events such as algal blooms, hypoxia, mortality of aquatic organisms, etc. In the meantime, water quality improvement in some coastal regions has been accelerated by reducing contamination from river discharge and developing sewage treatment techniques. A majority of coastal organisms are required to adapt to either worsened, recovered, or improved environments, or migrate to locales where they can thrive. It is critically important to understand how aquatic organisms in different trophic levels respond to water quality changes and how ecosystem functional traits shift with these changes. This Special Issue includes the topics:

- The ecological and physical dynamics of aquatic organisms in response to water quality changes;
- Consequential biogeochemical cycles;
- Impacts on aquatic food webs;
- Spatial/temporal shifts of distribution;
- Shifts in ecosystem functions;
- Biogeochemical and hydrodynamic models;
- Aquatic food web models;
- Ecological network analysis.

Guest Editors

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Message from the Editor-in-Chief

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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