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Assessing Water Quality Status of Rivers, Estuaries and Coastal Waters

Guest Editor:

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Message from the Guest Editor

Rivers, estuaries and marine environment are experiencing increased preassure from anthropogenic acitivities and rising human population, resulting in deteriorating water quality of rivers, estuaries and coastal waters. A decline in the microbiological water quality of highly productive marine environement can have significant social and economic consequences. Besides microbiological water quality decline, nutrient enrichment on inland and coastal waters also presents a major threat to marine ecosystem by increasing the productivity of primary producers such as phytoplankton, microphytobentos, seagrass, and algae. Remote sensing technologies can provide useful tools for the characterization of the marine ecosystem via enhanced spatial and temporal resolutions from a variety of remote sensors. This Special Issue will focus on all of the above-mentioned aspects affecting rivers, estuaries, and coastal waters from land-based anthropogenic activities with the intention to provide a conceptual background and documented experiences that may be useful to those involved in scientific, management, or political issues related to the utilization and protection of coastal ecosystems.

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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.

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