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Advances in Coastal Oceanography of Freshwater Influenced Regions

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Message from the Guest Editor

Coastal regions, where rivers debouch into estuaries and continental shelves, configure complex and highly dynamic ecosystems that are characterized by extensive interactions between physical, chemical, and biological processes associated with their terrestrial, freshwater, oceanic, and benthic components. Due to their inherent complexity, new research efforts aimed to improve our knowledge of the processes currently impacting coastal regions' ecosystems and to diagnose their effects in preparation for future climate scenarios are clearly demanded. In some coastal regions, the biogeochemical composition of their waters is expected to change as a consequence of changes in rainfall, sea level rise, temperature, particulate matter deposition rates, wind regimes, and related socio-economics factors. This encourages scientists to integrate the input from watershed models into the study of coastal hydrodynamics to determine flux and how flux will change with modifications in land use, industrial inputs, or climate. In accordance with these ideas, this Special Issue aims to present new research to advance our knowledge on all the aspects related to the proposed subject.



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Special Issue



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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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