Special Issue

Dynamics and Biogeochemical Flows in Estuarine and Nearshore Systems

Message from the Guest Editors

There is an urgent need of knowledge to understand the response of estuaries and nearshore systems to current and near-future challenges, such as natural and man-induced global changes. Sea level rise, increase in the probability of the occurrence of extreme events, increase in water temperature, reduction of run-off, and increase in human pressure on the ecosystems are just some examples of the changes that these coastal systems are facing. The sustainable management of estuaries and nearshore systems is therefore one of the greatest scientific and technical challenges of today. To tackle this challenge, it is required to have a precise knowledge of the dynamics and biogeochemical processes, and their interactions and modeling. This Special Issue will contribute to obtain further insight into the hydrodynamic, sedimentary, and ecological processes in bays, marshes, estuaries, deltas, and different types of beaches. Manuscripts focusing on the (complex and idealized) modeling of hydrodynamics and biogeochemical flows and their interactions are welcome. Additionally, reviews identifying research priorities and showing recent advances in this field are invited.

Guest Editors

Prof. Miguel Ortega-Sánchez
Prof. Manuel Díez-Minguito
Prof. Alejandro López-Ruiz

Deadline for manuscript submissions

closed (31 December 2020)

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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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