Special Issue

Estuarine and Coastal Hydrodynamics

Message from the Guest Editor

Estuarine and coastal zones play an active role in the interaction between continents and oceans. In these zones, several hydrodynamic processes exist and interfere with each other: the penetration of fresh water into salt water and vice versa, engendering density-induced currents; tidal propagation; wind-driven waves that generate longshore and offshore currents; sediment transport; coastal erosion; and accretion. The interaction between these processes is extremely complex, and climate change has heightened it in recent years. Besides obeying general physical laws, the above processes also depend on indigenous conditions, including the geometric shape of the studied zone, its topography, and its relation to the surrounding environment. Social–economic developments in the estuarine and coastal zones require thorough hydrodynamics research for different natural and indigenous conditions, targeting integrated management in these zones. The aim of this Special Issue is to collect and share innovative ideas and the most recent findings of hydrodynamic research in estuarine and coastal zones.....

Guest Editor

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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

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