

## Special Issue

# Application of Numerical Modeling in Estuarine and Coastal Dynamics

### Message from the Guest Editors

Recent advancements in numerical modeling techniques have significantly enhanced our understanding of estuarine and coastal dynamics, providing deeper insights into processes such as tidal currents, sediment transport, shoreline evolution, and ecological interactions. This progress has facilitated the effective addressing of real-world challenges in coastal management, engineering projects, and environmental conservation efforts. To further explore these advancements, this Special Issue will focus on both the application of existing models and the development of new implementations in the realm of Estuarine and Coastal Dynamics. We welcome papers examining theoretical or observational applications, including in situ or remote sensing monitoring and satellite observations, as well as modeling studies utilizing variant numerical methods, machine learning, artificial intelligence, data assimilation, and remote sensing techniques.

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### Guest Editors

Dr. Hongyi Zhao

Prof. Dr. Xiaoli Liu

Prof. Dr. Jianfeng Zhu

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### Deadline for manuscript submissions

20 November 2025



## Water

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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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### Editor-in-Chief

Dr. Jean-Luc PROBST

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