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## Application of Numerical Modeling in Estuarine and Coastal Dynamics

Guest Editors:

**Dr. Hongyi Zhao**

College of Harbor, Coastal and Offshore Engineering, Hohai University, Nanjing 210098, China

**Dr. Xiaoli Liu**

College of Environmental Science and Engineering, Ocean University of China, Qingdao 266100, China

**Prof. Dr. Jianfeng Zhu**

School of Civil Engineering and Architecture, ZheJiang University of Science and Technology, Hangzhou 310023, China

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### 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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# Special Issue



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Laboratory of Functional Ecology and Environment, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, France

## Message from the Editor-in-Chief

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Water Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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