



Hydrodynamics and Water Quality in Coastal Systems: Numerical Modelling and Observations

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Message from the Guest Editors

Dear Colleagues,

Coastal systems are important transition zones connecting ocean and land, from where they make contact with a large number of particulate and dissolved materials (e.g., sediments, nutrients, and organic matter). These systems support productive ecosystems and high biological diversity, providing valuable ecosystem services, including salinity intrusion, nutrient recycling, natural conditions for aquaculture, nursery, and the removal of pollutants. However, coastal systems are among the areas most threatened by anthropogenic pressures, since they host large and growing populations, and also suffer from the substantial deterioration of marine water quality. Thus, an understanding of hydrodynamic behaviors, varied water properties, and water quality is necessary to develop suitable management practices.

This Special Issue seeks to collate a set of publications that enable an advanced understanding of hydrodynamics and water quality in coastal systems, taking advantage of numerical modeling and observations. We thus invite researchers to submit research articles, reviews, and case studies.

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Guest Editors





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Message from the Editor-in-Chief

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