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Wave and Tide Modelling in Coastal and Ocean Hydrodynamics

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Message from the Guest Editor

The rise and fall of sea levels and the motion of ocean water play an important role in the way coastal ecosystems function are important to coastal and ocean engineering, such as coastline protection, ocean energy, and ship navigation safety. Owing to the advanced theory analysis and development of computer hardware and software, numerical modelling has become a powerful and practical tool to study and understand coastal and ocean hydrodynamics.

The aim and scope of the Special Issue is to invite paper contributions of the recent development and application of tide and wave modeling in coastal and ocean hydrodynamics. Research articles covering the area of Boussinesq equations, free-surface flows, internal waves, island wakes, Princeton Ocean Model (POM), shallow-water equations, solitary waves, and storm surges are welcomed for possible inclusion in this Special Issue of *Water*.



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Special Issue



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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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