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Application of High-Resolution Geophysical Methods in Studying the Coastal Environment (Land and Sea)

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Message from the Guest Editor

This Special Issue of *Water* will focus on the application of high-resolution geophysical methods in coastal areas. The broader goal is to examine how geophysical methods can be used to study the shallow subsurface to detect, analyze, and interpret Holocene-to-recent processes of tectonics and geology and their effect on human populations. These processes can include (but are not limited to) gas release from the seafloor and its contribution to global warming, tsunamis, neotectonics, and sea level rise. It is well known that the coast has been a focal point of human settlements for thousands of years. On the other hand, these areas are highly sensitive to natural processes that often cause conflict with those living nearby. Examining the ever-shifting interface between land and sea is of particular interest, as is the question of how ancient settlers shaped their natural environment and, in doing so, changed geological processes. Papers examining new scientific approaches as well as the development of unique and innovative methods or tools are also welcome.



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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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