Special Issue

Understanding of Oceanic Hydrodynamics and Coastal Hazards for Sustainable Engineering and Energy Solutions

Message from the Guest Editor

This Special Issue seeks to promote knowledge on oceanic hydrodynamics (wind, wave, tide, current, etc.) and coastal hazards (tropical cyclones, storm surge, high waves, tsunamis, sea level rise, etc.) in response to natural coastal landscapes, coastal navigation, defense structures, and energy-harvesting sites and facilities. The Special Issue also aims to disseminate insights on the comprehensive assessment of specific renewable ocean energy (wind power, wave power, tidal power, etc.) from the analysis of long-term hydrodynamic data and an impact evaluation of power acquisition platforms from extreme hazardous events. Disciplinary-specific, multidisciplinary, and transdisciplinary research works conducted theoretically, experimentally, or numerically are all welcome to address the issues surrounding both security and energy within the scope of oceanic hydrodynamics and coastal hazards, providing constructive solutions with strong application perspectives for building a sustainable and resilient coast.

Guest Editor

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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