

Special Issue

Coastal Environments Under Climate Change: Dynamics, Monitoring, and Adaptation

Message from the Guest Editor

Marine ecosystems worldwide are undergoing rapid structural and functional changes as a result of accelerated climate change. Rising ocean temperatures, acidification, altered circulation patterns, and extreme climatic events are reshaping species interactions, modifying community structure, and reducing ecosystem resilience. Understanding these dynamics is essential not only for advancing ecological knowledge but also for developing applied tools, predictive frameworks, and management strategies that support the sustainable use of coastal and marine environments. This Special Issue welcomes contributions that integrate ecological understanding with applied approaches, including innovative monitoring methodologies, modeling tools, technological solutions, and management interventions. We particularly encourage submissions that provide actionable insights for policy, conservation planning, fisheries management, coastal protection, or the implementation of nature-based and climate-adaptive solutions.

Guest Editor

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Deadline for manuscript submissions

30 December 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 6.1



mdpi.com/si/261863

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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