# Special Issue

# Adaptation and Protection Mechanisms in Marine Ecosystem Under Climate Change

## Message from the Guest Editors

Global climate change has emerged as one of humanity's most significant challenges. Understanding how marine organisms adapt to these environmental shifts is critical for predicting the future trajectory of marine ecosystems. Exploring the mechanisms that enable organisms to cope with or adapt to changing conditions can provide valuable insights into the resilience of marine communities. Furthermore, examining the relationship between environmental changes and community succession will clarify how ecosystem dynamics evolve under stress. This Special Issue will address these pressing concerns by focusing on the adaptive responses of marine organisms to environmental changes, interconnections between community succession and ecological variation, and projections for the future development of marine ecosystems. Researchers are invited to submit studies and findings that contribute to these topics, fostering a deeper understanding of the impacts of climate change on the marine environment and potential pathways for mitigating its effects.

## Guest Editors

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## Deadline for manuscript submissions

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