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Management Challenges of Fishery and Biodiversity in a Rapidly Changing Ocean

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Message from the Guest Editors

Marine ecosystems represent some of the most heavily exploited ecosystems and offer a vast array of services to society. However, increasing human activities pose an unprecedented threat to both natural assets and the ecosystem functioning of the marine environment, increasing the need for environmental preservation. In the face of the climate crisis and other mounting human pressures, many species collapse or shift their distribution, coastal ecosystems are lost, oceans are polluted, fish stocks deteriorate, and species are threatened for extinction. On the other hand, alien species invade new territories with human aid and can change the functioning of local ecosystems as well as fisheries. In this arena, the impacts of conservation interventions are often challenged by the complex social–ecological system dynamics. This Special Issue invites original, high-quality and impactful articles that discuss the challenges and improve the knowledge on alternative approaches for dealing with the biodiversity and fishery crisis in an increasingly multi-stressor ocean, driven by human activities, to inform marine policy and conservation.



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