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Blue Economy and Conservation of Aquatic Ecosystems

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Overview of Special Edition

The Aquatic ecosystems, which include marine, coastal, estuarine, freshwater, wetlands, mangroves, and peatlands, are essential for biodiversity conservation, food security, climate regulation, and sustainable economic development. However, they face increasing pressures from climate change, pollution, habitat degradation, overexploitation of natural resources, and inadequate governance.

The Blue Economy has emerged as a strategic framework for promoting sustainable development while conserving aquatic ecosystems. Meanwhile, advances in artificial intelligence (AI), remote sensing, Geographic Information Systems (GIS), environmental DNA (eDNA), passive acoustic monitoring, ecological modelling, drones, autonomous vehicles, Internet of Things (IoT) sensors, and citizen science are revolutionizing biodiversity monitoring, habitat mapping, ecosystem assessment, and evidence-based management.

This Special Edition invites high-quality interdisciplinary contributions on Blue Economy and Aquatic Ecosystem Conservation, including aquatic biodiversity, fisheries, aquaculture, mangroves, peatlands, coral reefs, ecosystem services, blue carbon, environmental governance, spatial planning, nature-based solutions, and innovative methodological and technological approaches. Original research, review papers, comparative studies, methodological developments, technological innovations, and evidence-based case studies are particularly welcome.

Papers in the following academic disciplines are welcome:

Climate change and Ecosystem Resilience / Economic and social dimension valuation of coastal ecosystem services / Livelihoods and diversification / Communities under Blue Economy Initiatives / Conservation and restoration of marine waters and freshwater/ Conservation and recovery strategies of species and ecosystems / Environmental DNA (eDNA) in aquatic biodiversity conservation

Submissions:
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Types of Manuscripts Accepted for Review:
Original Research / Review Articles / Methodological Papers / Case Studies / Policy and Governance Analyses