Mangrove Forest Ecosystems: Present Status, Challenges, and Future Directions

Guest Editor:

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Deadline for manuscript submissions:
31 May 2025

Message from the Guest Editor

Mangroves are a significant forest ecosystem between land and sea, with problems and advantages being inherent to terrestrial and marine ecosystems. They are heavily used for ecosystem goods and services, remain heavily deforested, utilized for charcoal, food, and medicine, offer coastal protection, and provide cultural values to indigenous populations. Mangroves are negatively affected by climate change, rising sea levels, and extreme weather events. Recently their role has been considered in climate change mitigation and adaptation as they are the most carbon-rich ecosystems on Earth.

We look for papers dealing with present and future issues on mangrove forest science, conservation, and management. Topics include the current state of vital mangrove areas, means of deforestation and degradation, blue carbon science, future projections, including modeling forecasts of mangrove forest area, new frontiers of science and management, such as advances in genomics and molecular biology, and conservation measures. We encourage studies from all fields, including experimental, theoretical, and numerical models; field and experimental studies; real case studies; and decision-making rules.

Special Issue

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