

## Special Issue

# Marine Ecology and Biodiversity by Remote Sensing Technology

### Message from the Guest Editors

Coastal and Marine ecosystems are remarkable regions with high biodiversity that provide a broad range of services and functions, such as provisioning (fisheries), regulation and maintenance (blue carbon, erosion prevention, storm protection, life cycle maintenance of nurseries and refuge areas of commercial and endemic species), support (nutrients provision and primary production), and also cultural services (tourism, recreation). However, the increasing impact of human activities on coastal and marine areas makes the development of monitoring and management strategies crucial to safeguarding marine biodiversity and its ecosystem services. Mapping based on Remote Sensing (RS) technology and Distribution Modelling (DM) has emerged as a powerful tool in these tasks, offering a comprehensive and non-intrusive means of studying vast and often inaccessible marine environments. This Special Issue specifically aims to address the successful application of these technologies, on a local to regional scale in coastal and marine environments, in relation to ecosystem productivity and biodiversity.

### Guest Editors

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### Deadline for manuscript submissions

15 September 2025



## Remote Sensing

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Impact Factor 4.1  
CiteScore 8.6



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### Message from the Editor-in-Chief

*Remote Sensing* is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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### Editor-in-Chief

Dr. Prasad S. Thenkabail

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