

Special Issue

Advanced Remote Sensing for Coastal System Monitoring and Management

Message from the Guest Editors

This Special Issue invites contributions that explore the latest advances in satellite/UAV remote sensing and deep learning technologies for the monitoring and management of coastal systems. Papers may focus on a wide range of topics including, but not limited to, the application of optical satellite imagery, UAVs, LiDAR, radar systems, and other remote sensing tools for mapping, analysis, and management of coastal zones such as offshore/onshore aquaculture, intertidal salt marshes, mangrove forests, tidal flats, seagrass beds, shorelines, and coastal reclamation. We are particularly interested in studies that demonstrate the integration of remote sensing and deep learning for coastal ecosystem monitoring, habitat mapping, driver tracking, and coastal resource management. Papers should highlight novel techniques, methodologies, and case studies that use remote sensing data for coastal zone management. In addition, priority will be given to research that demonstrates how these tools can be used to inform sustainable management practices, support decision making, and contribute to global conservation efforts.

Guest Editors

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Deadline for manuscript submissions

closed (20 December 2025)



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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST

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