

Special Issue

Advances in Ocean Mapping and Hydrospatial Applications

Message from the Guest Editors

The field of ocean mapping and hydrospatial applications has seen rapid advancements driven by cutting-edge technologies, the adoption of the IHO S-100 framework, and the growing need for comprehensive marine management. As human activities expand in coastal and deep-sea regions, accurate and comprehensive ocean mapping has become essential across diverse applications, including environmental protection, resource management, infrastructure development, and scientific exploration. These advancements are vital to sustainable ocean management, where data accuracy and accessibility are paramount.

This Special Issue aims to capture these innovations and provide a platform for sharing the latest research, tools, and applications driving the future of ocean mapping.

Guest Editors

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Deadline for manuscript submissions

closed (15 December 2025)



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Message from the Editor-in-Chief

Geomatics is the modern adaptation of traditional surveying, mapping, and their related skills. In geomatics, Information and Communication Technology (ICT) and digitization play a focal role. Geomatics is the discipline that integrates the tasks of gathering, storing, processing, modeling, analyzing, and delivering georeferenced information. Geomatics produces, validates, and represents georeferenced data that helps to provide services that meet the needs of society.

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