Special Issue

Marine Geophysics and Marine Seismology Research

Message from the Guest Editor

Marine geophysics utilizes a range of techniques, including gravity, magnetic, electrical, and artificial seismic methods, in order to study the various physical properties of the ocean floor, such as its composition, temperature, and magnetism. This research is crucial to the study of the geological evolution of the ocean floor and to exploring the natural resources beneath the seafloor. Surveying the structural composition of the subsea medium is a challenging and strongly nonlinear inverse problem, regardless of the method used. Realizing the global optimal solution requires efficient and high-quality data acquisition technology, a high-fidelity data processing method, a robust inverse problem optimization algorithm and an efficient computer implementation algorithm. This Special Issue is dedicated to solving the problems related to the accurate inversion of geophysical parameter models of sub-seabed media using marine geophysical data. [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/VR95M5T30X

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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

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