



Frontiers in Deep Sea Mining: Current Status and Future Prospects

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Message from the Guest Editors

There are abundant mineral resources at the bottom of the ocean at a depth of several thousand meters, which vary in type and have large reserves and high grades. In the current situation of resource shortage, deep-sea mining has great potential for development, which is of enormous significance to mankind in its search for alternatives to onshore mineral resources.

However, there are still many gaps in related research that need to be filled. The purpose of this Special Issue is to gain a more in-depth understanding of the development of existing deep-sea mining technologies, analyze key issues that need to be solved urgently, and point out the direction for subsequent research on deep-sea-mining-related technologies. This Special Issue will summarize the development history of deep-sea mining technology research, focus on analyzing and classifying feasible deep sea mining systems and the progress of sea trials and laboratory research that have been carried out around the world, and look ahead to the future development prospects of deep-sea mining under the requirements of commercial exploitation.





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