



Big Data in Marine Science

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Message from the Guest Editors

Dear Colleagues,

With the development of data acquisition techniques, observation sensors, and social networks, a large volume of marine-related data has been rapidly generated, which has opened a new door for studying the intricate dynamics of the huge ocean ecosystem and better understanding of how our oceans influence our planet. However, it is still challenging to uncover the hidden knowledge under these big data due to the complexity involved in the big data management technologies and analytics methodologies. Potential topics include (but are not limited to) the following:

- Computing infrastructures for big marine data acquisition, query, management, and sharing.
- Advanced data cleaning, fusion, validation, and mining approaches for big marine data from difference sources.
- New data structures, algorithms, and frameworks for distributed processing and analytics of big marine data.
- New methodologies and systems for big marine data visualization and mapping.
- Applications of using big marine data to support scientific studies and decision making.



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Message from the Editor-in-Chief

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