



## Remote Sensing and Numerical Simulation for Tidal Dynamics

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Deadline for manuscript  
submissions:

**closed (25 March 2024)**

### Message from the Guest Editors

Tides are basic and important movements in the ocean. The non-negligible influences of tides and tidal mixing on ocean circulation and marine ecosystems have been indicated by numerical models, in situ observations, and remote sensing data. Now, more than ever, remote sensing data play a vital role in tidal research, more high-frequency and accurate observation data of sea levels, sea surface temperature, and chlorophyll-a concentrations in the global ocean, especially coastal areas, are available. Multisource satellite altimeter data such as TOPEX/Poseidon and Jason have been assimilated into tidal models and have greatly improved the accuracy of numerical simulations of barotropic tides and internal tides.

Therefore, this Special Issue of Remote Sensing endeavors to assemble novel research that utilizes multisource remote sensing data and numerical models to study the spatial-temporal variations of barotropic tides and internal tides, as well as tidal influences on ocean circulation and marine ecosystems. We welcome you to submit one or more research and review articles to the Special Issue on “Remote Sensing and Numerical Simulation for Tidal Dynamics”.





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## Message from the Editor-in-Chief

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