

Special Issue

Recent Progress in Ocean Fronts

Message from the Guest Editors

Ocean fronts, together with other dynamic processes such as circulations, eddies, and internal waves, exert significant effects on ocean dynamics, ecology, and biogeochemical processes. This Special Issue aims to develop an understanding of the forming mechanisms, structures, functions, and dynamics of ocean fronts, including hydrodynamics, air-sea interactions, energy and material transports, the biogeochemical cycle, and biological processes. Detailed studies provide a foundation for describing how ocean fronts and other processes interact, and for understanding the variations in the characteristics and effects of ocean fronts on event-level, seasonal, and interannual time scales.

Manuscripts focusing on ocean fronts, including structures, dynamics, interactions, and processes, are welcome. Furthermore, all approaches to studying ocean fronts (e.g., in situ observations, satellite remote sensing, numerical modelling, and artificial intelligence) are relevant. [...]

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/oceans/special_issues/LLO351HQ8K

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Editor-in-Chief

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