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Surface Drift in the Ocean with Application to Floating Material, Pollutants and Biota

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Deadline for manuscript submissions:
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Message from the Guest Editors

Oceanic currents are a fundamental component of the Earth system through their ability to redistribute heat from the Equator to the poles, and more generally, to transport physical, chemical, biological, and anthropogenic matter and properties across the World Ocean. The strongest currents, which are usually found near the ocean surface.

Floating material of various origins including pollutants and biota (e.g., plastic debris, harmful algal blooms, Sargassum algae and other rafts, oil spills) are directly carried by surface ocean currents, sometimes over large distances and long periods, but also through the direct action of wind stress. Understanding how such material is carried and dispersed by currents, winds, and other geophysical phenomena is paramount for a broad range of applications including, but not limited to search and rescue operations, operational monitoring and forecasting of floating material drift. We invite contributions from research community working on topics related to surface ocean drift to submit original research papers, as well as review articles and short communications. We welcome numerical and observational approaches, both *in situ* and remote sensing.

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Message from the Editor-in-Chief

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