



Submesoscale Processes in the Ocean

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Message from the Guest Editors

Dear Colleagues,

Submesoscale currents occur on lateral scales of 100 m–10 km in the ocean and are found worldwide, in the upper ocean as well as in the abyssal ocean. A broad range of observational, theoretical, and numerical studies are needed to achieve further understanding of their generation mechanisms, 3D dynamics, variability, impact on energy dissipation, mixing and transport of tracers, and interactions with biogeochemical variables, as well as to quantify and parameterize the upscale effects of submesoscale processes on large-scale circulation and global biogeochemical budgets.

In this Special Issue of *Fluids*, “Submesoscale Processes in the Ocean”, we welcome all new research contributions to the field.

Prof. Jonathan Gula
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Guest Editors





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