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Instabilities and Nonlinear Dynamics in Oceanic Flows

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Deadline for manuscript submissions:
closed (15 January 2023)

Message from the Guest Editors

Dear Colleagues,

This Special Issue will concentrate on nonlinear ocean dynamics (in particular at mesoscale and sub-mesoscale) and on the mechanisms inherent to these nonlinearities, in particular, flow instabilities and interactions of coherent structures.

Theoretical contributions and process studies lie at the core of this topic. Studies based on observations or on more general numerical modeling are welcome, provided they concentrate on the mechanisms of nonlinear ocean dynamics. Purely descriptive regional studies should be avoided. Mechanisms involving coupled atmospheric and oceanic flows will be considered.

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Message from the Editor-in-Chief

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