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Lagrangian Transport in Geophysical Fluid Flows

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submissions:

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Message from the Guest Editors

Dear Colleagues,

Many questions in oceanography, meteorology, and related disciplines involve, in an unavoidable way, transport—transport of mass, properties, biogeochemical tracers, pollutants, or biological organisms. A Lagrangian perspective, where one tracks individual parcels, presents a natural framework for characterizing transport pathways, barriers, and associated exchanges. The aim of this Special Issue is to assemble a variety of articles to develop a deeper understanding of the Lagrangian transport and exchange processes in geophysical fluid flows. We welcome all contributions, ranging from theoretical advancements to numerical modeling and analysis of observational datasets; from idealized problems to realistic flows; and from submeso-scales to global scales.

Dr. Irina Rypina

Dr. Michael Allshouse

Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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