



Investigating the Air-Sea Interaction Processes

Guest Editors:

Dr. Meer Mohammed Ali

Center for Ocean-Atmospheric
Prediction Studies, Florida State
University, Tallahassee, FL 32306,
USA

Dr. Iovino Dorotea

Euro-Mediterranean Center on
Climate Change, Viale Berti
Pichat 6/2, 40127 Bologna, Italy

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Message from the Guest Editors

Dear Colleagues,

The air–sea interface plays a crucial role in shaping the Earth's climate system. The exchange of heat, momentum, gases, and moisture between the atmosphere and the ocean, including the sub-surface layer, drives significant weather phenomena. In addition, the ocean heat content plays a crucial role in major atmospheric processes, such as cyclones and monsoons. This Special Issue seeks to advance our understanding of the physical, thermodynamic, chemical, and biological processes that govern air–sea interactions. Topics of interest include but are not limited to, the following subjects:

- Dynamics of air-sea interactions;
- Ocean–atmosphere coupling;
- Remote sensing of air-sea interactions;
- Modeling and simulations;
- Impacts of air-sea interactions on marine ecosystems;
- Ocean heat content.





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Editor-in-Chief

Prof. Dr. Tony Clare

School of Natural and
Environmental Sciences,
Newcastle University, Newcastle
upon Tyne NE1 7RU, UK

Message from the Editor-in-Chief

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*Journal of Marine Science and
Engineering* Editorial Office
MDPI, St. Alban-Anlage 66
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