

## Special Issue

# Understanding and Simulating Air–Sea Interactions under Extreme Weather and Climate Conditions

### Message from the Guest Editor

Air–sea interactions involve the complicated cross-medium flux exchanges at the interface between the ocean and atmosphere, and they are of key importance to our Earth system.

This Special Issue provides a venue for publishing the latest observational analyses and model evaluations (including model development) of the physical processes related to air–sea interaction, on timescales from hourly to climate. The main focus is on extreme weather and climate events, which include but are not limited to synoptic phenomena such as cyclones, intraseasonal phenomena such as the Madden–Julian Oscillation (MJO), seasonal phenomena such as monsoons, and climate phenomena such as the El Niño–Southern Oscillation (ENSO). Research articles on the effects of these extreme events on the oceans, such as sea surface temperature, storm surge, and ocean waves, including oceanic feedbacks to the atmosphere, are also welcome.

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### Guest Editor

Dr. Xiangbo Feng

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### Deadline for manuscript submissions

closed (1 July 2022)



## Atmosphere

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## About the Journal

### Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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### Editor-in-Chief

Dr. Daniele Contini

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