



## Air–Sea Interactions: Recent Trends, Current Progress and Future Directions

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submissions:

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### Message from the Guest Editor

Dear Colleagues,

Air–sea interactions refer to the complex and dynamic interplay between the Earth's atmosphere and its oceans. These interactions are fundamental to understand and predict weather, climate, and various environmental processes. They play a crucial role in shaping global and regional climate patterns, ocean currents, weather systems, and extreme events. This Special Issue focuses on better understanding how the fluctuations in air–sea interactions in recent decades have induced modifications in global and regional precipitation, evaporation, oceanic surface processes such as upwelling and downwelling, cyclones frequency, and climate teleconnections. It is particularly important to investigate the impact of inter-annual changes in air–sea interactions on crop productivity due to modifications in water balance and heat stress. Finally, it is encouraged to submit studies on marine ecosystems and biodiversity, heat waves, ENSO, sea-level rise, and coastal and human impact.

Prof. Dr. Flávio Justino

*Guest Editor*





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## 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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