Special Issue

Climate Change on Ocean Dynamics (2nd Edition)

Message from the Guest Editors

This Special Issue is the second edition in a series of publications dedicated to “Climate Change on Ocean Dynamics” (https://www.mdpi.com/journal/atmosphere/special_issues/climate_change_ocean_dynamics). The ocean plays a critically important role in climate change. The severe impact of climate change on ocean dynamics has broad implications for our society and must be taken seriously, both for adaptation efforts and urgent mitigation strategies. This Special Issue aims to promote studies that analyze the connection between climate change and ocean dynamics. Potential submission topics include, but are not limited to, the following:

- Changes to the ocean’s mixed layer and stratification and implications for extreme climate variability;
- The impact of large-scale ocean dynamics on future climate change and low-frequency variability in Earth system models;
- The impact of river flows, flooding, and variable land-based precipitation on ocean salinity and circulation;
- The impact of atmospheric changes and shifts in wind patterns on the frequency and intensity of coastal storm systems and upwelling;
- Drivers of drastic changes in polar areas.

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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!

Editor-in-Chief

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