Special Issue

Tropical Cyclones in the Indian Ocean

Message from the Guest Editor

Tropical storms and cyclones are associated with heavy rains and particularly extreme winds that regularly cause widespread devastation in tropical areas.The Indian Ocean is, in particular, one of the world's most vulnerable regions to TC hazards due to its high population density along the coasts and low economic development.
In this regard, this special issue aims to advance the understanding and prediction of the life cycle of tropical cyclones in the relatively understudied areas of the South-West and North Indian Ocean basins.
Authors are invited to submit original studies and review articles focusing on TC climatology, impact of climate change on TC activity, and physical processes governing TC intensification (e.g. atmospheric and ocean dynamics, air-sea and scale interactions, internal processes), both from modelling and observational perspectives.

Guest Editor

Prof. Dr. Olivier Bousquet
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Deadline for manuscript submissions

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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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