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Storms, Jets and Other Meteorological Phenomena in Coastal Seas

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Deadline for manuscript submissions:
closed (15 June 2018)

Message from the Guest Editors

Coastal regions are featured by high population densities and high levels of development, especially in the 21st century. However, properties, life and environment in coastal regions are greatly threatened by coastal hazards, which is, in most cases, caused by coastal meteorological events. This Special Issue aims to collect current state-of-the-art studies on the statistics and the changes of hazardous regional meteorological events in coastal regions, in particular meso-scale and synoptic scale storms (polar lows, Mediterranean cyclones including medicanes, Australian east coast lows, tropical and midlattude baroclinic storms) and coastal low-level jets.

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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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