Special Issue

Climate and Weather Extremes in the Mediterranean

Message from the Guest Editors

The Mediterranean region is susceptible to a range of climate and weather extremes, including heatwaves, droughts, tropical-like cyclones (known informally as medicanes), tornadoes and waterspouts, and flash floods, among others. These extremes have severe impacts on ecosystems and society, and also exert negative effects on the resilience of cities and infrastructure in our current climate. These pose an increasing threat as our climate changes, increasing in their frequency and intensity. Scientific research in this area is essential for understanding the underlying processes, assessing their impacts, and developing strategies to mitigate and adapt to these extremes within the framework of building communities with greater resilience against climate change. To this end, this Special Issue aims to compile state-of-the-art research focusing on the study of climate and weather extremes and climatological applications in the region.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2024)

Atmosphere

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Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/194072

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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!

Editor-in-Chief

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