

## Special Issue

# Impact of Climate Change on Vegetation and Water Scarcity using Remote Sensing

### Message from the Guest Editors

Extreme climatic events are predicted to increase both in the frequency and magnitude due to global warming, but their ecological effects are poorly understood particularly in forest ecosystems. Remote sensing data's accessibility, diversity, quality, and computing capacity provide new opportunities to understand the impact of extreme climatic and disturbance events on vegetation. In the last several decades, long-term and synchronous remote sensing observations have allowed an improved understanding of ecosystems dynamics affected by extreme climatic and disturbance events globally. This will provide a better understanding of vegetation's role in the Earth system and its resilience to environmental threats. In this Special Issue, we are looking for original scientific contributions on assessment of water scarcity, identification of water stressed hotspots, decrease in vegetation cover, crop water stress, impact of agriculture drought, control of climate change impacts, remote sensing of climate extremes, statistical indices addressing drought recovery, and its spatiotemporal patterns using different Remote Sensing datasets, are highly encouraged.

### Guest Editors

Prof. Dr. Xieyao Ma

Prof. Dr. Xiefei Zhi

Prof. Dr. Kamran Azam

Dr. Irfan Ullah

### Deadline for manuscript submissions

closed (19 July 2022)



## Atmosphere

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*Atmosphere*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[atmosphere@mdpi.com](mailto:atmosphere@mdpi.com)

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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!

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### Editor-in-Chief

Dr. Daniele Contini

Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Str. Prv. Lecce-Monteroni km 1.2, 73100 Lecce, Italy

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