

## Special Issue

# Climate Change Dynamics: Impact of Droughts and Heatwaves on Terrestrial Ecosystems

### Message from the Guest Editors

Climate change is causing unprecedented droughts and heatwaves at a global scale with significant effects on agricultural and forest ecosystems, which is affecting food security and the carbon sequestration potential of terrestrial ecosystems. Accordingly, various research activities are being conducted with the aim of improving the contribution of soils to important societal challenges, such as mitigating and adapting to the effects of droughts and heatwaves resulting from climate change dynamics. This includes the sustainability of agricultural and forest systems in providing ecosystem services, the prevention of land and soil degradation, and the restoration of non-responsive soils in a holistic manner through the establishment of best-bet management practices that are adapted to climate change, and in the best-case scenario, contribute to curbing climate change. This Special issue is intended to fill this knowledge void by bringing together different views and successes so as to better inform policy decisions in this area of global uncertainty.

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### Guest Editors

Prof. Dr. Christopher Ngosong  
Dr. Katarzyna Szyga-Pluta  
Prof. Dr. Ognjen Bonacci

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### Deadline for manuscript submissions

closed (29 February 2024)



## Atmosphere

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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

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