



## Impact of Land-Use and Climate Change on Vegetation

Guest Editors:

**Dr. Shuyao Wu**

Center for Yellow River  
Ecosystem Products, Shandong  
University, Qingdao 266237,  
China

**Dr. Wentao Zhang**

Center for Yellow River  
Ecosystem Products, Shandong  
University, Qingdao 266237,  
China

Deadline for manuscript  
submissions:

**closed (10 May 2023)**

### Message from the Guest Editors

To advance our understanding of how climate and land-use changes affect vegetation, and how vegetation responds to these changes, this Special Issue aims to publish recent progress in these research topics. With this knowledge, we will be able to not only further understand the complex relationships and effects of climate and land-use changes on vegetation, but also create better adaptative management plans and policies to promote positive effects while minimizing negative ones.

All types of research methods, such as field observations, experimental studies, and remote sensing technologies, are welcomed. The proposed studies could cover, but are not limited to, change impacts on vegetation states at various spatial scales, interaction effects on impact intensity, ecosystem resilience and resistance under different change impacts, biotic and abiotic mechanisms in vegetation–climate interaction, cascading effects of climate and land-use changes toward human society through vegetation, key indicators or decision-support criteria for better vegetation impact assessment, as well as sustainable management to promote the capability of vegetation to adapt to changes.





an Open Access Journal by MDPI

## 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

## 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!

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases.

**Journal Rank:** CiteScore - Q2 (Environmental Science (miscellaneous))

## Contact Us

---

Atmosphere Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/atmosphere](http://mdpi.com/journal/atmosphere)  
[atmosphere@mdpi.com](mailto:atmosphere@mdpi.com)  
[X@Atmosphere\\_MDPI](https://twitter.com/Atmosphere_MDPI)