



Climatic Messages from Tree Rings

Guest Editors:

Prof. Dr. Jeong-Wook Seo

Tree-Ring Research Center,
Chungbuk National University,
Chungdae-ro 1, Seowon-gu,
Cheongju-si 28644,
Chungcheongbuk-do, Korea

Prof. Dr. Masaki Sano

Faculty of Human Sciences,
Waseda University, 2-579-15
Mikajima, Tokorozawa 359-1192,
Japan

Deadline for manuscript
submissions:

closed (31 May 2021)

Message from the Guest Editors

Tree rings are attractive means to monitor the continuous variations in climate in terms of annual changes. This is because the quantitative variations in the ring widths can be correlated with various events related to the climate. Based on these relationships, tree-ring traits, which can be transferred to quantitative data, have been used to understand climate conditions both of the present and the past, and even the near future.

Tree-ring width is a key parameter for climatic studies. Additionally, the development of modern equipment and techniques, along with advanced knowledge on wood biology, tree-ring densities, carbon and/or oxygen isotopes, and wood anatomical traits have allowed us to evaluate the climatic changes accurately.

This Special Issue invites studies on paleoclimate as well as on ecology and physiology related to climate changes based on tree-ring parameters, such as ring widths, density, isotopes, and wood traits.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Ilias Kavouras

Environmental, Occupational,
and Geospatial Health Sciences,
CUNY School of Public Health,
New York, NY 10027, USA

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, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/atmosphere
atmosphere@mdpi.com
[X@Atmosphere_MDPI](https://twitter.com/Atmosphere_MDPI)