

Special Issue

Climatic Messages from Tree Rings

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.

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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!

Editor-in-Chief

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