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Past Climate Reconstructed from Tree Rings

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Deadline for manuscript submissions:
closed (15 December 2020)

Message from the Guest Editors

Dear Colleagues,

Dendroclimatology has been developing rapidly, and a number of works have become the basis for the most accurate and reliable climate reconstruction for the last few thousand years and for forecasting climate change in the future. However, our new dendrochronological research in the high mountains in Central Asia and in the Arctic allow us to conclude that there much to discover in dendroclimatology, and new doors are constantly being opened.

The main goal for this Topical Collection is to present dendrochronological research in the context of climate reconstruction from different parts of the world and from different climate zones, across the entire hierarchy from regional to global. Multidisciplinary works and collaborations are especially invited. Original results, review papers, and model expositions focused not only on reconstructions of climate variables, but also on reconstructions of land–water transformations (geomorphological, hydrological, ecological, etc.) caused by climate change are all welcome contributions.

Sincerely

Prof. Piotr Owczarek
Dr. Magdalena Opala-Owczarek
Prof. Feng Chen
Guest Editors

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Special Issue

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Editor-in-Chief

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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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