

Special Issue

Holocene Climate and Environmental Change in Arid Central Asia

Message from the Guest Editors

This Special Issue focuses on advancing quantitative reconstructions and process-based understanding of climate and environmental change in ACA across multiple timescales. We welcome studies that employ multi-proxy sedimentary archives, instrumental and historical climate data, remote-sensing observations, and numerical climate modeling to investigate past and present hydroclimate variability, vegetation and fire dynamics, dust-storm regimes, and lake or river system evolution. Submissions may include original research articles and comprehensive reviews addressing the following:

- Hydroclimate variability from the Holocene to the modern era;
- Westerlies–monsoon interactions and regional atmospheric circulation;
- Quantitative reconstructions of temperature, precipitation, or effective moisture;
- Vegetation, fire, and dust-storm responses to climatic variability;
- Lake-level, river-system, and hydrological evolution;
- Climate-model simulations and data–model comparisons.
- We look forward to receiving your contributions.

Guest Editors

Dr. Guoqiang Ding

Dr. Yu Hu

Dr. Wensheng Zhang

Dr. Shuai Ma

Deadline for manuscript submissions

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Atmosphere
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
atmosphere@mdpi.com

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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

Dr. Daniele Contini

Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Str. Prv. Lecce-Monteroni km 1.2, 73100 Lecce, Italy

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