Special Issue

Lightning, Wildfire and Remote Sensing Research

Message from the Guest Editor

It is nearly impossible to study either lightning or wildfires on a large scale without remote sensing, and new advances in the use of remote sensing for the detection and monitoring of lightning-induced wildfires are eagerly sought after for this Special Issue. We also plan a sample of studies that survey all techniques currently in use in the field. While it is desirable for the papers submitted to this Special Issue to include all three topics, it is not necessary as long as the work represents an advance that would be of use to the study of the missing topic. For example, a remote sensing study that improves the localization of fire ignition points would be useful in relating large fires to the lightning flashes that started them, and we would ask the authors to make such connections apparent if submitting to this Special Issue. We are looking for initial submission dates by September, and would appreciate advance notice of possible submissions to guide our outreach efforts.

Guest Editor

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Deadline for manuscript submissions

15 September 2025

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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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