

Special Issue

Wildfires Modeling: Recent Trends, Current Progress and Future Directions

Message from the Guest Editors

This Special Issue offers an opportunity for those involved in wildfire modeling to present their work in a dedicated volume. We therefore invite you to contribute articles to this Special Issue that highlight advances, new concepts, technical issues, and innovative research directions associated with wildfire modelling frameworks. Recently, using data assimilation and deep learning techniques to better predict wildfire behavior has aroused considerable interest. These emerging approaches coupled to standard models seem very promising. Contributions based on these different approaches and their coupling are highly appreciated. Any work on wildfire modeling that can provide new insights is welcome. It is our hope that this Special Issue, dedicated to the latest developments in wildfire modelling, will help to promote discussion of numerous modeling issues and highlight synergies and connections across the various modeling platforms.

Guest Editors

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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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