Special Issue

Fire and the Atmosphere

Message from the Guest Editor

Fire is an integral component of many ecosystems. However, fire also poses a growing threat to human lives and property. The role of fire management is to maintain the ecological benefits of fire while minimizing the adverse impacts of fire on society. The atmosphere plays a critical role in fire management as it is a key driver of fire acting through an array of coupled processes spanning a wide range of space and time scales. The focus of this Special Issue is to explore the atmosphere's role in a range of fire related topics including fire spread, fuels, climate change, fire behavior, smoke, fire weather and fire climate. Manuscripts based on field studies and/or modeling from around the world are welcome. The goal for the issue is to extend fire and forest meteorology science, as well as offer applied concepts for fire management practitioners.

Guest Editor

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Deadline for manuscript submissions

closed (15 April 2018)

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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!

Editor-in-Chief

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