Special Issue

Advances in Fire-Atmosphere Interaction

Message from the Guest Editors

The role that atmosphere plays in fire behavior is globally accepted as being of paramount relevance. However, the understanding of the fire–atmosphere interaction has several gaps and it is such a complex phenomenon that it is far from being completely understood. In this Special Issue, we welcome publications on several topics that combine fire and atmosphere, such as studies on fire behavior, fire weather, fire climate, smoke dispersion, and climate change, among others. Thus, this Special Issue is intended to organize the most recent and relevant scientific developments in these areas, contributing decisively to the integrated understanding of various aspects relating fire and atmosphere.

Guest Editors

Dr. Miguel Almeida

Dr. Diogo Lopes

Dr. Carlos Viegas

Dr. Tiago Rodrigues

Deadline for manuscript submissions

closed (10 May 2022)

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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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