Special Issue

Biomass Burning and Their Impacts

Message from the Guest Editor

Biomass Burning (BB) is a global phenomenon and the contribution of BB aerosols in the atmosphere is the highest in the tropics. It is well known that BB aerosols contribute to climate forcing, but much is still unknown about the extent of this forcing, owing to the high level of uncertainty regarding BB aerosol optical properties. The impact of biomass smoke on health is significant and it is a global health disparity issue. Biomass burning generates hundreds of incomplete combustion products in the form of gases and aerosols. Epidemiological studies associate household air pollution with lung diseases, including chronic obstructive pulmonary disease, lung cancer, and respiratory infections. The focus of this Special Issue is to explore the various impacts of biomass burning including severe weather, climate, air quality and health. Manuscripts focused on laboratory studies, modeling and field studies to understand and quantify BB impacts in all regions and especially in developing countries are welcome.

Guest Editor

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Deadline for manuscript submissions

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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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