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Aerosol Pollution from Biomass Burning

Guest Editor:

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submissions:

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Message from the Guest Editor

Biomass burning is the dominant source of carbonaceous aerosol, affecting regional air quality and global climate, and thus directly and indirectly impacting human health. Large amounts of aerosol particles and gaseous pollutants are emitted into the atmosphere, which can be transported thousands of kilometers away from the source areas, while undergoing chemical and physical transformations. Consequently, physico-chemical and toxicological characteristics of biomass burning aerosols are complex and highly variable.

This Special Issue, therefore, aims to disseminate the latest research findings from either field or modeling studies, investigating the inherent properties of smoke emissions from different types of biomasses burning. Authors are invited to submit manuscripts reporting results from ambient air measurements, controlled combustion experiments, as well as targeted health effects studies. Ultimately, we hope to convey with this Special Issue a better understanding of the chemical, physical and toxicological properties of aerosol emissions from biomass burning processes to scientists across various disciplines.



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Special Issue



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Message from the Editor-in-Chief

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