Special Issue

Impacts of Biomass Burning Smoke on Air Quality and Radiative Forcing and Climate

Message from the Guest Editor

We invite researchers to contribute original research articles and review articles dealing with all aspects of the impact of biomass-burning smoke on air quality and radiative forcing and climate. We are interested in recent laboratory, field, remote sensing, and modeling work to understand and quantify the impacts of biomass-burning on local and global air quality and radiative forcing and climate. We are also interested in reviews that identify possible future lines of investigations. Topics of interest include, but are not limited to:

- Speciated smoke emissions and chemistry (e.g., O3 and secondary organic aerosol formation) from recent laboratory and field campaigns;
- Addressing the differences in smoke aging and SOA formation seen in laboratory (e.g., smog chamber or oxidation flow reactor) and field studies;
- Atmospheric chemistry and air quality in urban areas when biomass-burning smoke mixes with anthropogenic emissions;
- Impact of biomass-burning smoke on indoor air quality;

Guest Editor

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Deadline for manuscript submissions

closed (5 August 2020)

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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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