



Biomass Burning Emissions Modeling and Simulation: In Partnership with the Third International Smoke Symposium

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 June 2020)

Message from the Guest Editor

Dear Colleagues,

Globally, biomass fires are a major source of gases and aerosols, and the production, dispersion, and transformation of biomass fire emissions has significant air quality and climate impacts.

The open-access journal Atmosphere in partnership with the Third International Smoke Symposium (<https://www.iawfonline.org/event/3rd-international-smoke-symposium/>) is hosting a Special Issue featuring models of biomass burning emissions, smoke transport and transformation, and associated air quality impacts. Original research covering all aspects of retrospective and operational emission inventories, plume rise, smoke dispersion, and smoke chemistry is solicited. This Special Issue also seeks modeling and observational studies of smoke impacts on air quality and atmospheric composition. Studies across all scales, from individual prescribed fires to global emissions inventories, are welcome. Works on the development of models and methods for forecasting the emissions and associated air quality impacts of wildfire smoke are especially encouraged.

Dr. Shawn P. Urbanski

Guest Editor





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Editor-in-Chief

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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!

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