



Secondary Organic Aerosols from Biomass Burning and Anthropogenic Precursors

Guest Editor:

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Deadline for manuscript
submissions:

closed (28 April 2022)

Message from the Guest Editor

Secondary organic aerosol (SOA) accounts for a significant fraction of ambient organic aerosol. While biogenic SOA is extensively studied in the past, little is known about SOA originating from biomass burning and anthropogenic precursors (BSOA and ASOA). Authors are invited to submit manuscripts that report the topics of field and laboratory characterization of biomass burning and anthropogenic SOA that include, but not limited to:

- the determination of precursor compounds from field and laboratory experiments
- the formation mechanisms of biomass burning and anthropogenic SOA
- the transformation and aging of biomass burning and anthropogenic aerosol in the atmosphere
- the chemical composition of biomass burning and anthropogenic SOA
- impact of biomass burning and anthropogenic SOA on environment and human health
- newly developed analytical methods for biomass burning and anthropogenic SOA characterization
- laboratory inter-comparison of biomass burning and anthropogenic SOA marker compounds.





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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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