



Emissions, Control, and Utilization Technology of Particulate Matters

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Message from the Guest Editors

This Special Issue is an appropriate venue for papers in the field of emissions, control, and utilization technology of particulate matters to promote theory and technology related to aerosol science. Original results from field and controlled experimental investigations, subjective surveys, models, and review papers related to formation, emissions, control, and utilization of particulate matters in various combustion and energy conversion processes such as power stations, industrial furnaces, engines, and turbines are all welcome contributions.

Topics of interest for this Special Issue include but are not limited to:

- Formation mechanisms during solid fuel combustion or engines;
- Field research on solid fuel combustion;
- New methods of particle emission reduction;
- Fine ash utilization technologies;
- Heavy metal hazard in particles;
- Particle flow simulation;
- Formation and growth of soot;
- Oxidation and destruction of carbonaceous particles and/or soot;
- Emerging fine particulate matter issues, such as condensable particulate matter;
- Diagnostic techniques and sensors for fine particles.



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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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