



Emissions, Control, and Utilization Technology of Particulate Matters

Guest Editors:

Dr. Chang Wen

Department of New Energy Science and Engineering, School of Energy and Power Engineering, Huazhong University of Science and Technology, Wuhan 430074, China

Dr. Youjian Zhu

School of Energy and Power Engineering, Zhengzhou University of Light Industry, Zhengzhou, Henan 450002, China

Dr. Yishu Xu

School of Energy and Power Engineering, Huazhong University of Science and Technology, 430074 Wuhan, China

Deadline for manuscript submissions:
closed (30 October 2022)



mdpi.com/si/97160

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.



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Daniele Contini

Institute of Atmospheric Sciences
and Climate (ISAC), National
Research Council (CNR), Str. Prv.
Lecce-Monteroni km 1.2, 73100
Lecce, Italy

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!

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases.

Journal Rank: CiteScore - Q2 (*Environmental Science (miscellaneous)*)

Contact Us

Atmosphere Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/atmosphere
atmosphere@mdpi.com
[X@Atmosphere_MDPI](https://twitter.com/Atmosphere_MDPI)