



Industrial Combustion Emissions

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Message from the Guest Editors

Dear Colleagues,

The topics of interest for this Special Issue include, but are not limited to the following:

1. Emissions from the combustion of solid gaseous and liquid fuels of different origin.
2. Pollution related to the combustion of alternative fuels (ammonia, hydrogen, syngas).
3. High-precision emission inventory and loss assessment from typical industries, including coal-fired power generation, waste incineration, the petrochemical industry, the coking industry, metal smelting, etc.
4. The impact of air pollutants on the environment—mainly the condition of the atmosphere.
5. Novel technologies for air pollution control in industry.
6. Economic analysis, application prospects and potential risks of novel energy technologies and modern installations.
7. Management of energy systems at the level of energy carriers consumption and atmosphere pollutant emissions under the conditions of a zero-emission regime.
8. Computational investigations on emissions in combustion, including computational fluid dynamics, chemical kinetics, thermodynamic equilibrium, etc.

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Special Issue



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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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