



Atmospheric Pollution Caused by Solid Fuels Combustion

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Message from the Guest Editors

Combustion of fossil fuels continues to be the primary means of obtaining energy in the world. This Special Issue will be devoted to, inter alia, solid fuel combustion in Poland and its impact on air quality. Compared to the rest of the world, Poland is particularly unfavorable, where the share of fossil fuels in primary energy carriers reaches 90%, and electricity production is based 70% on coal (3rd place in the world). This results in excessive air pollution in Polish cities and affects the health and life expectancy of residents. This Special Issue covers the following topics:

- Low-emission industrial and energy technologies using solid fuels;
- Low-emission techniques for burning solid fuels;
- Innovative methods of flue gas cleaning;
- Other prospective methods of reducing emissions from individual heating systems powered by solid fuels;
- Air pollution changes resulting from the reduction of emissions from solid fueled heat and power systems;
- New trends in air quality management in cities, legal and economic aspects.

The topics mentioned are only examples. Other topics in this field—in the form of original research or review papers—will also be welcomed.





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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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