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Greener Energy, Air Quality, and Carbon Neutrality

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Message from the Guest Editors

More and more studies support that air pollution and climate change result from the overuse of fossil energy and ineffective control strategy. This Special Issue focuses on the new and greener energy (technologies) that transform energy more efficiently with low emissions. The mission of this Issue is to investigate the correlations between alternative fuels/energies/control systems and air pollutant/greenhouse gas emissions. Fundamental studies, model simulations, emission control technologies, and environmental monitoring are welcomed in the current Issue. Nevertheless, we are also interested in the potential emissions that should be but are still not considered in the use of "greener energy". It is believed that not only advantages but potential disadvantages in air quality and carbon neutrality will be comprehensively discussed in this 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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