



Recycling and Air Pollution

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Message from the Guest Editors

Controlling energy resource consumption and air pollutant emissions is necessary for environmental improvement and is essential for the sustainability of economic development and industrial transformation. Recycling is the process of collecting and processing materials that would otherwise be thrown away as waste and turning them into new products. Recycling used materials, equipment, and production facilities limits mineral and raw material shortage and reduces air pollution. However, any hazardous substances contained within may also be released into the air during these processes. Therefore, identifying the relationship between recycling and air pollution is a key issue for efficient recycling in terms of environmental benefits.

We invite authors to submit original and review articles that describe field, experimental, and modelling studies linked to the relationship between recycling rates and air pollution and the assessing the co-benefits of improved energy efficiency, resource conservation, and air pollution reduction. The topic is also related to detailed analyses of recycling processes as a major source of air pollution.





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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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