Special Issue

Atmospheric Mercury Capture and Multi-Pollutant Synergistic Mitigation

Message from the Guest Editors

This Special Issue centers on atmospheric mercury capture and simultaneous multi-pollutant control, and seeks high-quality original research articles and comprehensive review papers in this domain. Its scope covers multiple key dimensions: the development of novel remediation materials, elucidation of pollutant migration and transformation mechanisms, process system optimization, and engineering application demonstrations. Innovative works exploring material structure–performance relationships, synergistic removal mechanisms, and scalable industrial implementation pathways are particularly welcomed. We look forward to your valuable contributions to advancing the technological progress and industrial deployment of air pollution prevention and control solutions.

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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!

Editor-in-Chief

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