



Atmospheric Mercury Monitoring, Analysis, and Chemistry: New Insights and Progress toward Minamata Convention Goals

Guest Editor:

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Message from the Guest Editor

This Special Issue on “Atmospheric Mercury Monitoring and Analysis” of the journal *Atmosphere* is devoted to all aspects of atmospheric mercury, including instrumental advances; air–surface fluxes; airborne mercury contamination from artisanal gold mining; indoor and outdoor air monitoring; mercury passive air samplers; and atmospheric mercury chemistry, isotopic composition, and modeling.

Mercury is a persistent and toxic heavy metal that concentrates up the aquatic food chain, reaching levels that can harm both humans and wildlife. Recognizing this global problem, over 100 nations from around the world have signed the Minamata Convention on Mercury, a treaty focused on reducing mercury pollution. Accurately measuring atmospheric mercury is critical to understanding its sources, cycling, distribution, and temporal trends and, thus, is key to evaluating the effectiveness of the Minamata Treaty. Thus, I encourage everyone, especially the younger scientists, to submit your work to this Special Issue. Manuscripts on all aspects of atmospheric mercury, including short reviews, are welcome.





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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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