Special Issue

Sources, Spatiotemporal Variation and Potential Health Risk of Hazardous Air Pollutants

Message from the Guest Editor

Dear colleagues, Exposure to hazardous air pollutants (HAPs), commonly known as toxic air pollutants or air toxics, is of growing concern both nationally and internationally because of the potential to cause cancer and other adverse health effects in humans. The amendment to the United States 1990 Clean Air Act identified 187 air toxics that warranted specific attention and long-term monitoring, and defined 30 HAPs as those posing the greatest potential threat to public health in urban areas. The current state of knowledge regarding the levels of air toxics worldwide is limited and there is a gap in the understanding of HAP sources, spatiotemporal variation and potential source-specific risks to public health. The purpose of this Special Issue is to present the current state of knowledge of air toxics levels, sources, temporal and spatial variation, and potential health risks from inhalation exposure in both ambient and indoor environments.

Guest Editor

Dr. Md. Aynul Bari
Department of Environmental and Sustainable Engineering, University at Albany, State University of New York (SUNY), Albany, NY 12222, USA

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Atmosphere
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
atmosphere@mdpi.com

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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

Dr. Daniele Contini
Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Str. Prv. Lecce-Monteroni km 1.2, 73100 Lecce, Italy

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