Special Issue

Anthropogenic and Natural Air pollution Emissions Exposures on Lifelong Health

Message from the Guest Editors

The sources of air pollution included both anthropogenic and natural emissions and differed among geographical regions. First, environmental exposures in early childhood and through adolescent development set trajectories risks of disease and illness in adulthood. Second, the underlying processes by which air pollution affects health are driven by a broad range of environmental, social and behavioral factors (the exposome) that modify existing biopsychosocial pathways. Third, novel measures and technologies, such as machine learning, big data, and exposome, are relatively less used in studies concenrning air pollution and health. This Special Issue is open to submissions that study how air pollution affects health from conception through childhood and young adulthood into adulthoood. Especially welcome are studies of the exposome – the combined effects of at least two exposures – and life-course epidemiology frameworks, in addition to commentaries and review articles/meta-analyses. Also, we welcome submissions that focus on advanced and sophisticated approaches to understand myriad environmental exposures and underlying mechanisms.

Guest Editors

Dr. Boyi Yang
Prof. Dr. Guanghui Dong
Dr. Matthew Browning

Deadline for manuscript submissions

closed (30 June 2023)

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About the Journal

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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