



Environmental Health Studies with Remote Sensing Technologies: Exposure Assessment and Health Outcomes

Guest Editors:

Dr. Sungroul Kim

Department of Environmental
Health Science, Soonchunhyang
University, Asan, South Korea

Dr. Judy S. LaKind

1. LaKind Associates, LLC.,
Baltimore, MD, USA
2. Department of Epidemiology
and Public Health, University of
Maryland School of Medicine,
Catonsville, MD 21228, USA

Dr. Ana Rule

Department of Environmental
Health and Engineering, Johns
Hopkins Bloomberg School of
Public Health, Baltimore, MD,
USA

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Message from the Guest Editors

With consideration of a person's activity patterns, exposure assessment is crucial for the accurate estimation of the effects of exposure to air pollutants on human health. Although there has been much attention directed toward the health impacts of exposures to air pollutants, there are unfortunately many difficulties associated with collecting high-resolution air pollution data as well as large population-based environmental epidemiological data.

Inexpensive sensors installed in real-time remote sensing monitors for many air pollutants have been introduced for use in outdoor as well as indoor environments. Such devices can provide pollutant distribution patterns at high temporal and spatial resolution, which is a substantial improvement in establishing a pollution monitoring platform as well as conducting environmental epidemiological studies, as compared to traditional approaches comprising a relatively small number of ground-fixed national air monitoring stations or mobile sampling techniques.





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RCMI Center for Urban Health
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Research Center, Morgan State
University, 1700 E. Cold Spring
Lane, Baltimore, MD 21251, USA

Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

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