

# International Journal of *Environmental Research and Public Health*



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# 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

 LaKind Associates, LLC., Baltimore, MD, USA
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

Deadline for manuscript submissions: closed (30 September 2022)

### **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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### Message from the Editor-in-Chief

### Prof. Dr. Paul B. Tchounwou

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