Special Issue

Time-Space Modeling of the Health Effects of Environment

Message from the Guest Editor

Spatiotemporal mismatch in the resolution/scale and misalignment of environment and health data sets has been a major challenge for conducting epidemiological analyses of the health effects of environment. Because resolving spatiotemporal misalignment and resolution of these data sets often result in "exposure uncertainty" and/or "exposure misclassification", failing to account for such exposure uncertainty and misclassification can result in biased (health) risk estimates. Therefore, addressing environmental exposure uncertainty and misclassification to quantify environmental disease burden is critically important for guiding policies to protect public health from environmental insults. This Special Issue invites scholarly work to address methodological, as well as application areas of spatiotemporal modeling of the health effects of environmental exposure or novel approaches for capturing and quantifying precise exposure.

Guest Editor

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed 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 journal.

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