

Special Issue

Methodologies and Applications of Geographic Information Science and Spatial Statistical Analysis in Public Health

Message from the Guest Editors

The use of Geographic Information Sciences (GIScience) and spatial statistical analysis has emerged as an innovative component in the field of Public Health. Great attention has been paid to analyzing spatial and spatiotemporal data; locations; and spatial interaction in understanding public health issues. Applying GIScience or/and spatial statistics, spatial epidemiologists, health geographers, biostatisticians and public health professionals have made significant contributions in understanding problems such as disease clusters and environmental risk factors, and targeting interventions to improve public health. This Special Issue seeks papers that demonstrate original research with innovative methodologies and applications of GIScience and spatial statistical analysis in the field of public health. The aim of this call is to provide a strong overview of the GIScience and technological advances of spatial methodology in public health, invoke new ways of thinking about how public health programs can be better accomplished, and stimulate new ideas to use GIScience and spatial statistics in public health.

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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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