

Special Issue

Spatial Dimensions of Public Health: Identifying and Monitoring Vector-Borne Diseases and Their Geographic Diffusion

Message from the Guest Editors

This Special Issue welcomes studies and reviews about:

- Utilizing geospatial information science, including geographic information systems (GISs), global position systems (GPSs), geocoded data, satellite imagery, spatial statistics and econometrics, and GIScience concepts, with the goal of identifying vector-borne disease habitats.
- The integration of georeferenced data with spatial diffusion models, the fusion of satellite and other aerially captured data (e.g., by drones), and the synergistic spatial and aspatial conceptualizations that address the identification of vector-borne infectious disease habitats.
- Practical case studies about the use of geospatial information science for the prevention, protection, intervention, and control of the spread of vector-borne diseases are relevant to the issue's goal.
- Using GIScience to forecast vector-borne disease diffusion and formulate public health policies pertaining to vector-borne diseases.
- Investigate the use of geospatial information science concepts and techniques to devise intervention strategies to control pests whose diffusion processes resemble those of vector-borne diseases.

Guest Editors

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Dr. Benjamin G. Jacob

Prof. Dr. Robert J. Novak

Deadline for manuscript submissions

closed (1 December 2019)



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About the Journal

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.

Editor-in-Chief

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