



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

Guest Editors:

Prof. Dr. Daniel A. Griffith

School of Economic, Political and Policy Sciences, The University of Texas at Dallas, Richardson, TX 75080, USA

Dr. Benjamin G. Jacob

Department of Global Health, College of Public Health, University of South Florida, Tampa, FL, USA

Prof. Dr. Robert J. Novak

Department of Global Health, College of Public Health, University of South Florida, Tampa, FL, USA

Deadline for manuscript submissions:

closed (1 December 2019)

Message from the Guest Editors

This Special Issue welcomes studies and reviews about:

1. 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.
2. 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.
3. 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.
4. Using GIScience to forecast vector-borne disease diffusion and formulate public health policies pertaining to vector-borne diseases.
5. 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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Paul B. Tchounwou
RCMI Center for Urban Health
Disparities Research and
Innovation, Richard N. Dixon
Research Center, Morgan State
University, 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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, PubMed, MEDLINE, PMC, Embase, GEOBASE, CAPus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Public Health, Environmental and Occupational Health)

Contact Us

*International Journal of
Environmental Research and Public
Health* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijerph
ijerph@mdpi.com
X@IJERPH_MDPI