



The Socio-Environmental Determinants Underlying the Spatial: Epidemiology of Dengue

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Deadline for manuscript
submissions:

closed (30 June 2021)

Message from the Guest Editor

Dengue is a rapidly emerging mosquito-borne infection, caused by any one of four viral serotypes (denoted DENV-1, 2, 3, and 4), with an increase in incidence of thirty-fold over the last 50 years.

Dengue risk is associated with climatic factors, urbanization and a wide range of socioeconomic factors. However, these associated risk factors are not systematic, vary extensively in definition, and may often not be generally applicable. Moreover, the city-wide and even region-wide impact they have is influenced by the role of human mobility, ferrying the virus from places of high environmental risk elsewhere. The identification of the source of infection and the subsequent socio-spatial structure of the intra-urban and inter-urban spread of DENV would clearly aid the local public health services to better allocate resources.

This Special Issue aims to bring together articles that place socio-economic risk factors within specific defined urban contexts, articulated with human mobility networks at local and regional scales, all with a view of developing intervention and control strategies.





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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. 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.

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