



Second Edition: Advanced Spatial–Temporal Statistics and Applications for Disease Mapping, Spatial Dependence, and Capacity Building in Biostatistics

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Message from the Guest Editors

Dear Colleagues,

A second edition of the Special Issue on “Advanced Spatial–Temporal Statistics and Applications for Disease Mapping, Spatial Dependence and Capacity Building in Biostatistics in Sub-Saharan Africa Countries” is being organized.

The region, like most low-income and middle-income regions across the globe, is undergoing epidemiological and demographic transitions leading to the increasing prevalence of non-communicable diseases (NCDs). Data-driven evidence that contributes to the understanding of the geographical and temporal variations of disease burden of NCDs in sub-Saharan Africa would be beneficial in resource allocation and planning to address the colliding burden of disease, including maternal and child health; HIV/AIDS and tuberculosis (TB); and non-communicable diseases.

In this issue, we present work resulting in our effort to build capacity in recent developments in disease mapping (both Bayesian and frequentist approaches) to characterize the patterns of communicable and non-communicable disease burdens in the region to inform global public health policies.





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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.

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