

Special Issue

Application of GIS and Spatial Data Analytics in Studies of COVID-19

Message from the Guest Editors

This Special Issue aims to capture emerging applications of GIS and spatial data analysis for multidisciplinary COVID-19 studies. The applications should demonstrate how recent advances in geospatial big data and spatial analysis provide new perspectives and methods towards understanding the impacts of COVID-19. We invite contributions that leverage data sources with a spatial dimension (public health records, socio-economic statistics, surveys, mobile phones, social media, transportation, remote sensing, etc.) and applied GIS and spatial analysis methods, including geovisual analytics, spatial statistics, GeoAI, space-time simulation, big data analysis, and spatial optimization. We also welcome studies that create new computational methods and tools in GIScience that further advance its applications in multidisciplinary pandemic research.

Guest Editors

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Deadline for manuscript submissions

closed (15 November 2023)



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Editor-in-Chief

Prof. Dr. Steve W. Lyon

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