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Applications of Geographic Information System and 3D City Modelling for Sustainable Urban Planning

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Deadline for manuscript submissions:
closed (20 April 2023)

Message from the Guest Editors

Rapid urban development has resulted in environmental problems linked to unsustainable transport, housing, waste, energy, and land use management and draws attention to the development of strategies and solutions that ensure self-sustaining and healthier communities with a longer life expectancy. They may include, amongst others, green buildings and housing, walkability, greenways and open spaces, alternative energy sources such as solar and wind and good sustainable land use and transportation options.

By processing two-dimensional and three-dimensional geospatial data from satellite imaging, aerial photography, and remote sensors together with environmental and socioeconomic variables, GIS technology offers the means to input, manage, and synthesize information rapidly. It also provides a detailed perspective on land and infrastructure, thereby improving the base of decision-making for practitioners and other participants in the processes of urban planning.

We encourage you to submit original research papers and technical or review articles to this Special Issue, with emphasis on the applications of GIS and 3D city models in urban development strategies towards sustainability.

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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