



Advances in Application of Geographic Information Science for SDG 11 "Sustainable Cities and Communities"

Guest Editor:

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Message from the Guest Editor

The purpose of this Special Issue is to discuss the theories and advanced methods of GIS in supporting the development of sustainable cities and to explore novel applications and possibilities of spatio-temporal techniques in sustainable development. The outcome of this Special Issue will be useful to understand and guide sustainable urban development from a new perspective, offer practical solutions to environmental and social issues, and promote the achievement of SDG 11.

We look forward to receiving your well-prepared research. Potential topics include, but are not limited to:

- Land-use change and its environmental consequences;
- Artificial intelligence in sustainable urban planning;
- Spatial optimization for urban land management;
- Implications of land use/cover changes on the environment;
- Sustainable planning for urban and rural integration;
- Smart growth of land use and ecological conservation;
- Sustainable urban form for climate change adaptation;
- Urban hazard susceptibility analysis and assessment;
- Urban resilience and vulnerability against COVID-19.





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Message from the Editor-in-Chief

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