



RS and GIS for Monitoring and Enhancing the Resilience of Urban Environments

Guest Editors:

Dr. Antonio Costanzo

Dr. Sonia Giovinazzi

Dr. Maurizio Pollino

Dr. Deodato Tapete

Dr. Antonio Montuori

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Message from the Guest Editors

The shift from rural to urban living and the growth in the world's population are rapidly increasing population density in cities. In the coming years, among other factors, these phenomena will translate into growing pressures with repercussions on urban assets and on the people themselves.

This Special Issue aims to collect articles with case studies and methodological studies to cover the different fields in which GIS analysis, remote sensing techniques, and spatial decision support systems can find application in the urban environment. Topics may include the monitoring of urban heritage subject to natural hazards and threats related to climate change, as well as those induced by human activities. The following is a list of more potential topics:

- The effects of air pollution on people and building materials
- The effects of urban heat islands on people
- Protection of the built environment against seismic risk
- The monitoring of cultural assets subjected to anthropic activities
- GIS approaches and platforms for monitoring critical infrastructure/assets in urban areas
- Remote sensing applications in urban environments
- Damage assessment and loss estimation





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Editor-in-Chief

Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S.
Geological Survey (USGS), USGS
Western Geographic Science
Center (WGSC), 2255, N. Gemini
Dr., Flagstaff, AZ 86001, USA

Message from the Editor-in-Chief

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Contact Us

Remote Sensing Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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