

Special Issue

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

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

Guest Editors

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Deadline for manuscript submissions

closed (28 February 2025)



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About the Journal

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.

Editor-in-Chief

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