



Advanced Application of Geoinformatics and Artificial Intelligence on Disaster Risk Management

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Message from the Guest Editors

Dear Colleagues,

In recent years, environmental changes and rapid economic growth have increased the frequency and intensity of disasters, such as COVID-19, floods, earthquakes, hurricanes, etc. Effective disaster risk management contributes to sustainable development.

This special issue aims to challenge how to comprehensively utilize geoinformatics, remote sensing, spatial statistics, and geospatial artificial intelligence (GeoAI) to improve disaster risk management and environmental sustainability, multidisciplinary and interdisciplinary approaches are encouraged. Research areas may include (but are not limited to) the following:

- (1) GeoAI in disaster risk identification and assessment
- (2) Intelligent networking and social media in disasters
- (3) Statistical analysis and risk mapping
- (4) New applications of extended reality (XR) in disasters
- (5) Virtual Geographic Environments (VGEs)
- (6) Disaster intelligent prediction and scenario simulation

We look forward to receiving your contributions.

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Guest Editors





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