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# Advanced Artificial Intelligence and Remote Sensing Techniques in Modeling and Monitoring of Natural Disasters

Guest Editors:

**Dr. Ratiranjan Jena**
GIS & Remote Sensing Center, Research Institute of Sciences and Engineering, University of Sharjah, Sharjah 27272, United Arab Emirates

**Prof. Dr. Rami Issa Al-Ruzouq**
Department of Civil and Environmental Engineering, University of Sharjah, Sharjah 27272, United Arab Emirates

**Dr. Abolfazl Abdollahi**
Postdoctoral Research Fellow in Remote Sensing and Environment, ANU College of Science, Canberra, ACT 2601, Australia

Deadline for manuscript submissions:
**closed (31 January 2024)**

## Message from the Guest Editors

Dear Colleagues,

This Special Issue focuses on the development of novel approaches and innovations, with AI serving as the backbone in conjunction with remote sensing (RS) technologies. We encourage contributions focusing on developing AI algorithms, exploring novel approaches, and integrating trending AI with geospatial techniques. This Special Issue may cover, but is not limited to, the following areas:

- AI-based image processing;
- GeoAI on classification and prediction;
- AI in earthquake hazard mapping and early warning;
- AI-aided spatial data and model integration;
- Novel AI algorithm development;
- Integrating AI in various applications of Google Earth Engine;
- Vulnerability and risk prediction using AI algorithms;
- ML-based damage detection;
- Spatial modeling in landslide and flood detection;
- Coastline hazard prediction using AI;
- AI-based bushfire monitoring and mapping;
- Cyclone monitoring using AI technologies.

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

Tel: +41 61 683 77 34
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remotesensing@mdpi.com
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