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Applications of Remote Sensing for Natural Hazard and Environment Monitoring

Guest Editors:

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Deadline for manuscript submissions:
closed (30 January 2026)

Message from the Guest Editors

Dear Colleagues,
Natural hazards can lead to severe damage to the environment and to society. The integration of Earth observation-based methodologies into data collected from multiple sensors combines the advantages of these data sources and systematically provides critical, reliable, and up-to-date information, covering a wide range of multidisciplinary scientific topics related to natural hazards and environmental monitoring applications.

This Special Issue aims to collect high-quality contributions to the advancement of satellite remote-sensing technologies/solutions for environmental monitoring and natural hazard detection, monitoring and modelling, risk and impact assessments, disaster management, early warning systems, and decision support systems for the following:

- Geohazards: earthquakes, landslides, soil erosion, land degradation/desertification, etc.
- Forest fires: burnt-area mapping, fire monitoring and spread, etc.
- Hydrometeorological hazards: floods, extreme weather events, etc.
- Epidemics/health.
- Multi-hazards: the combination of two or more of the hazards mentioned above.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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