

## Special Issue

# Innovations in Forest Fire Detection and Monitoring: Integrating GISs, Remote Sensing, and AI

### Message from the Guest Editors

This Special Issue seeks to consolidate recent advances, methodologies, and innovative applications at the nexus of GISs, remote sensing, AI, and forest fire management. I invite researchers, practitioners, and experts to contribute their insights, findings, and strategic visions to foster an interdisciplinary dialogue. Topics of interest include, but are not limited to, the following:

- Advanced GIS applications in forest fire detection and mitigation;
- State-of-the-art remote sensing technologies in fire management;
- Leveraging big data analytics in predicting wildfire patterns;
- AI and machine/deep learning models for real-time fire monitoring;
- Integration of disparate data sources for enhanced forest fire response;
- Challenges and solutions in data fusion analysis for fire detection;
- Proactive forest fire management strategies using AI;
- Predictive analysis of forest fire susceptibility and risk;
- Novel forest fire surveying methods harnessing GISs and remote sensing;
- The role of advanced tech in post-fire recovery and landscape restoration.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 June 2024)



## Forests

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### Message from the Editor-in-Chief

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### Editor-in-Chief

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