Special Issue

Advances in SAR Remote Sensing for Landslide Monitoring and Hazard Assessment

Message from the Guest Editors

Landslides are widely distributed across the globe and pose serious threats to infrastructure and human safety, especially under the increasing influence of extreme climate events. In recent years, Synthetic Aperture Radar (SAR) remote sensing has shown remarkable progress in landslide identification, long-term deformation monitoring, and hazard risk assessment, thanks to its all-weather, day-and-night, high-precision, and wide-area observation capabilities, along with the growing availability of SAR data. SAR has become an indispensable tool in landslide early warning, risk analysis, and the study of dynamic slope processes. This Special Issue aims to bring together cutting-edge research and innovative applications of SAR technologies in landslide monitoring and hazard assessment. We welcome original research articles focusing on novel algorithms, modeling approaches, multi-sensor data fusion, and representative case studies. Contributions addressing artificial intelligence-assisted analysis, regional to global-scale monitoring, and near-real-time applications are especially encouraged.

Guest Editors

Dr. Wanji Zheng

Prof. Dr. Jun Hu

Prof. Dr. Zhong Lu

Dr. Jiehua Cai

Deadline for manuscript submissions

28 November 2025

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.

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