# Special Issue

# Remote Sensing for Rock Slope and Rockfall Analysis

## Message from the Guest Editors

Rock slope instability is a major and widespread phenomenon that can represent significant hazards—especially in areas characterized by high and steep natural or engineered slopes. As a consequence, depending on magnitude, size and velocity, slope failure and rockfall events can cause severe damage, injuries, and casualties. As such, effective mitigation measures are essential to control their effect. Over the last two decades, the approach to rock slope investigation has changed substantially. The application of remote sensing techniques such as LiDAR, radar, and photogrammetry to rock slope analysis have allowed for the rapid and safe acquisition of a huge amount of high-quality information. Such techniques represent valuable tools in rock mechanics, but their use and the management of the generated data is often complex in several contexts. This Special Issue will present novel contributions including original research, case studies, and new approaches in rock slope and rockfall analysis that take advantage of remote sensing techniques.

## Guest Editors


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## Deadline for manuscript submissions

closed (30 June 2023)


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### 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.

### Editor-in-Chief

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