Special Issue

Enhancing Geological Remote Sensing with Cutting-Edge Sensor Technologies

Message from the Guest Editors

Dear Colleagues The synthesis of geological sciences and RS not only advances our fundamental understanding of the Earth's geological processes, but also has practical implications for resource exploration, environmental monitoring, and disaster risk reduction and mitigation strategies. Recent advancements in sensor technology have enabled data to be captured in the form of images with a higher spatial and spectral resolution. Hyperspectral imaging has rapidly developed over the past decade, and modern sensor technologies can cover large areas with exceptional spatial, spectral, and temporal resolutions. Nowadays, hyperspectral sensors placed on various platforms capture a wide range of detailed spectral information, enabling the precise identification and analysis of geological features. Similarly, technologies based on the use of synthetic aperture radar images improved significantly in the last decade due to the growing availability of vast amounts of data collected by multiple-satellite sensors operating at different frequency bands, with complementary viewing angles and polarization and acquisition modes.

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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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