Special Issue

Innovations in Remote Sensing Image Analysis

Message from the Guest Editors

In recent decades, remote sensing image analysis has undergone significant theoretical advancements, supported by the rapid integration of cutting-edge computer science methodologies such as artificial intelligence, machine learning, and computer vision. Innovative methods have emerged across a wide range of spatial, spectral, and temporal scales, resulting in the improved interpretation of Earth observation data and its integration into various scientific and practical applications. This Special Issue welcomes original contributions—particularly from early-career researchers—that introduce novel theories, methodologies, and applications in remote sensing image analysis. We are especially interested in works that explore new paradigms in multi-source data fusion, intelligent feature extraction, object-based analysis, deep learning models, and time-series interpretation. The research submitted may span local to global scales and include developments in sensor technologies, data pre-processing, classification, segmentation, change detection, and multidisciplinary integration. Ultimately, the aim is to push the boundaries of what is possible in Earth observation science.

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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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