

Special Issue

Geophysical Data Processing in Remote Sensing Imagery

Message from the Guest Editors

Exploration geophysics has played an important role in the past several decades for understanding subsurface properties and prospecting underground resources.

Many practical and useful techniques and methods for geophysical data processing have been developed. The first part of this Special Issue will review the progress in recent decades in several geophysical data processing techniques and the related theoretical developments, including seismic data modeling, seismic imaging, full waveform inversion, envelop inversion, seismic data denoising, seismic data regularization, etc. The second part includes contributing papers on new techniques and methods, such as applications of deep learning in exploration geophysics, wave field simulation, inversion and imaging, multi-component seismic data processing (separation, inversion and imaging), advanced seismic data processing (denoising, interpolation, etc.), geomagnetism and electromagnetism, waves in anisotropic media, etc. Papers that are interdisciplinary in nature, such as the application of surface exploration methods to airborne or satellite remote-sensing data, are especially welcome.

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2022)



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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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