PRISMA Hyperspectral Remote Sensing Data for Geological Mapping and Environmental Monitoring: Applications, Challenges, Advanced Image Processing and Machine Learning Techniques

Guest Editors:

Dr. Amin Beiranvand Pour

Prof. Dr. Hojjatollah Ranjbar

Prof. Dr. Mazlan Hashim

Prof. Dr. Basem Zoheir

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Message from the Guest Editors

PRISMA hyperspectral imagery has great potential to be utilized within a variety of applications for addressing geology and environmental issues. Despite the fact that PRISMA hyperspectral imagery has gained the scientific interest of the remote sensing communities due to geological mapping and environmental issues, it is still in the initial stages. Several advanced image processing algorithms can be implemented to extract spectral and spatial information from the PRISMA hyperspectral datasets. Nowadays, the fusion of extracted information using machine learning techniques is evolving gradually and is fundamental for unraveling numerous image processing challenges for geological and environmental mapping.

This Special Issue is focused on the recent developments in the applications of PRISMA hyperspectral imagery within geological applications and environmental monitoring. We are interested in applications, innovative solutions to challenges in image processing, the execution of advanced image processing algorithms, and machine learning for data fusion. Manuscript submissions are encouraged that focus on a broad range of related geological and environmental themes.

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Special Issue

Editor-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

Message from the Editor-in-Chief

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