



## Multispectral Remote Sensing Satellite Data for Mineral and Hydrocarbon Exploration: Big Data Processing and Deep Fusion Learning Techniques

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Deadline for manuscript  
submissions:

**closed (16 December 2022)**

### Message from the Guest Editors

Multispectral remote sensing data afford synoptic view of immense metallogenic provinces such Archaean granite-greenstone terranes for mineral exploration and ore-related lithological mapping, macroseepage and microseepage associated with hydrocarbon reservoirs and CO<sub>2</sub> sequestration in Ophiolite complexes.

This special issue is focused on the recent developments of the applications of multispectral remote sensing satellite data for mineral exploration in metallogenic provinces and onshore oil slick detection to offshore oil spill monitoring and hydrocarbon exploration, which may include, but are not limited to, the following topics:

- Innovative methods to fuse multispectral remote sensing satellite data for prospectivity mapping in vast metallogenic provinces
- Multispectral remote sensing satellite data for both macroseepage direct detection and microseepage indirect detection
- Mapping Ophiolite complexes to understand mineral carbonation and CO<sub>2</sub> sequestration using novel remote sensing approaches and modeling
- Geographic Information System (GIS) modeling for integrating different remote sensing datasets and geophysical and geochemical techniques for mineral exploration





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## Message from the Editor-in-Chief

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