

Joint Special Issue

Planetary Remote Sensing: Chang'E-4/5 and Mars Applications

Message from the Guest Editors

This Special Issue invites manuscripts resulting from processing remote sensing datasets acquired by the latest mission to the Moon and Mars as well as from analyzing lab spectral data. Manuscripts are expected to highlight the importance of lab spectroscopic and imaging remote sensing for investigation of the Moon, Mars, and related planetary bodies. The topics will include but are not limited to the following:

- Chang'E-4/5 for mapping of surface regolith, mineralogy, and lithology;
- Scientific investigations from recent Mars missions on rocky classification, structure identification, and volcanism;
- Optical remote sensing and data analysis;
- Thermal remote sensing of physical and compositional properties;
- Microwave remote sensing of surface and subsurface properties;
- Radiative transfer models for planetary remote sensing;
- Integration of remote sensing data with lab measured spectra and sample compositions;
- Photogeological analysis of rocky units and geological structures of different planets;
- Spectroscopic analysis of molecular water (H₂O) or other hydroxyl (OH) compounds;
- Space weathering.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2022)

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Remote Sensing

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