



Advances in Remote Sensing of Mars: Geomorphological Research and Environmental Assessment

Guest Editor:

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Deadline for manuscript
submissions:

closed (31 May 2024)

Message from the Guest Editor

This Special Issue aims to address the use of new satellite sensors and rover platforms in order to interpret and reinterpret Martian geomorphology. The scope of the submitted articles includes, but is not limited, to the following topics:

1. Satellite and rover remote sensing of the Martian surface:

- satellite/rover RS sensor systems (current and future planned)
- terrain analysis techniques as applied to mars
- change detection/current geomorphic activity

2. Analysis of Martian geomorphic forms, processes and rates, including, but not limited to, the following:

- glacial: cirques, eskers, moraines, lineated valley fill
- periglacial: frost polygons, araneiforms
- hillslope: slope streaks, recurring slope lineae, landslides, chaos terrain
- aeolian: TARs, barchans, ventifacts, yardangs, dust deposition
- fluvial: river channels, deltas, alluvial fans
- rates of erosion and deposition: cratering impacts, physical and chemical processes

3. Terrestrial analogs for Martian landforms





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Message from the Editor-in-Chief

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