

## Martian Meteorites and Mars Exploration

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Deadline for manuscript submissions:

**31 May 2019**

### **Message from the Guest Editors**

Dear Researchers,

The planet Mars is a vital focus of planetary exploration. Latest discoveries by the *Curiosity* rover strongly suggest higher concentrations of organics deeper in the subsurface of the red planet. Explanations for increases in localised methane abundances also remain elusive. On Earth, martian meteorites are the only source of subsurface samples that may shed light on these recent discoveries, whether abiotic and geochemical or perhaps even biological.

In this issue, we would like to expand on not only these findings but also the current state of knowledge on the petrology, geology, geochemistry, chronology and climatology of Mars. We invite the submission of review papers on these topics investigating Mars via remote and rover based observations as well as the forensic account of martian meteorites. These should act as roadmaps for future investigations, focusing on yet solved problems and identifying new ones. We would also like to investigate the habitability of Mars historically, presently, microscopically and macroscopically. We intend on making this issue a resource of information and contemplation, supporting a new era of planetary exploration.

