

Special Issue

Martian Meteorites and Mars Exploration

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.

Guest Editors

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Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based political decisions.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Editor-in-Chief

Prof. Dr. John C. Eichelberger

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