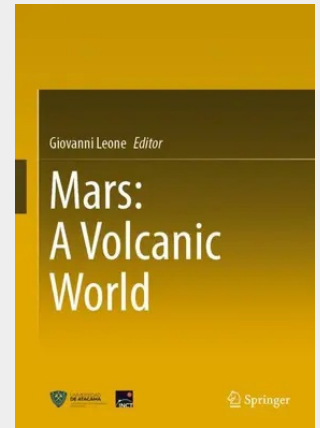


Mars: A Volcanic World

This book is a comprehensive advancement about the understanding of the volcanology of Mars in all its aspects, from its primary formation to its evolution in time, from the smaller structures to the bigger structures. It discusses the implications of volcanism in the general environmental and geological context of Mars. The book is validating the Southern Giant Impact Hypothesis explaining the formation of Mars in an interdisciplinary approach, including mineralogical, geochemical, volcanological as well as geomorphological information. Implications for future explorations in terms of resources are provided. This book serves as a textbook for undergraduate and graduate level to foster new basic research in the field of planetary volcanology and is a new guide for future missions toward a volcanic world, including new detailed information for the general audience who is always keen to know more about the history of Mars and its large volcanoes. The book also presents an updated situation about the water resources of the planet.

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