



Advances in Lunar Exploration

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Message from the Guest Editors

This Special Issue of *Aerospace* delves into recent advancements and investigations concerning the technologies, applications, and services essential for enabling future Moon missions. The focal points will span from the imperative to furnish navigation services for landers and orbiter spacecraft, to the utilization of in situ resources, surface exploration via rovers (which also entails employing artificial intelligence techniques for enhanced autonomy), communication with Earth and other lunar bases, outpost design, encompassing all the associated challenges (such as radiation shielding, impact protection, and power optimization), tailored life support systems addressing the unique challenges of the Moon, and the issues and opportunities surrounding lunar gateways.





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Message from the Editor-in-Chief

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