

Announcement of a Special Issue
Advances in Space Research

Lunar Environment Effects resulting from Human Exploration and Occupation of the Moon

We wish to announce a special issue of *Advances in Space Research* for research concerning the environment of the Moon, specifically how this environment affects and is affected by human exploration and occupation. We encourage research concerning limits to exposure on the lunar surface under different conditions, including radiation, charged dust as it adheres to optical surfaces and sensitive instruments, and efforts to enhance protection to humans on the Moon. We also encourage papers concerning contaminants in the polar ice, both anthropogenic and natural. Papers addressing the scientific value of the Moon and possible efforts to preserve scientifically valuable environments are welcome.

The topics include, but are not limited to the following:

- Predicting the radiation environment
- Topographic shielding of solar energetic particles
- Solar wind interactions
- Distribution of volatiles from lunar landings and exploration
- Contributions to the exosphere from outgassing and venting from human activities
- Prediction of dust tribocharging in plumes and potential dielectric breakdown events
- Simulations of dust during lunar landings
- Dust cleaning technologies
- Laboratory studies of possible effects on the lunar environment
- Plasma and dust studies

We welcome high quality and relevant manuscripts from all scientists involved in this type of lunar research.

Papers must be submitted electronically to <https://www.editorialmanager.com/AISR>. To ensure that all manuscripts are correctly identified for inclusion into the special issue, authors must select “**Special Issue: Lunar Environment Effects**” when they reach the "Article Type" step in the submission process.

The general format for submission of papers can be found on the *ASR* Elsevier web site at <http://www.journals.elsevier.com/advances-in-space-research/>

Submitted papers must be written in English and should include full affiliation postal addresses for all authors. Only full-length papers will be considered for publication, subject to peer review by a minimum of two reviewers. There are no page limits although the length of the paper should be appropriate for the material being presented. While the deadline for submissions is **30 January 2024**, papers will be published electronically as soon as they are accepted. The printed issue will be assembled within a reasonable time with late papers being printed in regular issues of *ASR*. All articles will be typeset at no cost to the author. There is a charge for printing color figures; there is no charge for color figures on the electronic version.

Dr. Rosemary Killen (rosemary.killen@nasa.gov) is the Guest Editor for this special issue. Questions can be directed to Dr. Killen or to the Co-Editor for Special Issues, Dr. Peggy Ann Shea (sssrc@msn.com).