

Special Issue

Next Generation Planetary Mission Concepts, Sampling and Measurement Techniques and Enabling Technologies

Message from the Guest Editor

The planetary science community has been very successful in the last decade, achieving major findings that have significantly advanced the state of planetary science. As we look ahead, new focus areas of high impact have also been inspired. These include habitability, ocean worlds, astrobiology, and the search for life and analogs to help our understanding of exoplanets. Achievement of next generation science breakthroughs will require the development of new technologies for sampling and instruments and spacecraft for remote in situ and subsurface applications. Fortunately, we are in a period of rapid technology advancement and are well positioned to make such advancements come to life for space science. This Special Issue intends to provide insights into a) new science mission concepts, b) emerging sampling and measurement techniques needed to acquire the relevant data, and c) spacecraft technologies that will enable the future vision. The intent of this issue is to look ahead and set the stage for the planetary missions of the next decade.

Guest Editor

Dr. Kim R. Reh

Jet Propulsion Laboratory/Caltech, Solar System Mission Formulation Office, Pasadena, CA, USA

Deadline for manuscript submissions

closed (10 September 2021)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



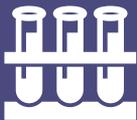
mdpi.com/si/77677

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/

[applsci](https://mdpi.com/journal/applsci)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)