

## Special Issue

# Spectroscopic Sensing for Planetary Exploration and Planetary Defense

### Message from the Guest Editors

Spectroscopy is a widely used technique for studying the chemical and physical properties of the planetary bodies in our Solar System. Over the past decade, the development of innovative cameras and advanced visible and infrared spectrometers has significantly increased. This Special Issue is focused on spectroscopy methods and instruments (i.e., previous and more recent spectrometers and cameras), with particular emphasis given to new challenges in the field of spectroscopic data analysis. Potential topics include, but are not limited to, the following:

- Returned science and lessons learned from spectroscopy analysis and instrumentation.
- New spectroscopy analysis methods.
- Spectroscopy analysis of in-flight data.
- New concepts and innovative spectrometers.
- Micro-spectroscopy analysis of returned samples.
- Spectroscopic measurements in the laboratory with analogous planetary samples.

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### Guest Editors

Dr. Fabrizio Dirri

Dr. Andrea Longobardo

Dr. Marianna Angrisani

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### Deadline for manuscript submissions

30 April 2026



## Sensors

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### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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