PLANETARY AND SPACE SCIENCE

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DESCRIPTION

*Planetary and Space Science* publishes original articles as well as short communications (letters). Ground-based and space-borne *instrumentation* and laboratory simulation of *solar system processes* are included. The following fields of *planetary* and *solar system* research are covered:

- **Celestial mechanics**, including dynamical evolution of the solar system, gravitational captures and resonances, relativistic effects, tracking and dynamics

- **Cosmochemistry** and *origin*, including all aspects of the formation and initial physical and chemical evolution of the solar system

- **Terrestrial planets** and *satellites*, including the physics of the interiors, geology and morphology of the surfaces, tectonics, mineralogy and dating

- **Outer planets** and *satellites*, including formation and evolution, remote sensing at all wavelengths and in situ measurements

- Planetary *atmospheres*, including formation and evolution, circulation and meteorology, boundary layers, remote sensing and laboratory simulation

- Planetary *magnetospheres* and *ionospheres*, including origin of magnetic fields, magnetospheric plasma and radiation belts, and their interaction with the sun, the solar wind and satellites

- **Small bodies**, *dust* and *rings*, including asteroids, comets and zodiacal light and their interaction with the solar radiation and the solar wind

- **Exobiology**, including origin of life, detection of planetary ecosystems and pre-biological phenomena in the solar system and laboratory simulations

- **Extrasolar systems**, including the detection and/or the detectability of exoplanets and planetary systems, their formation and evolution, the physical and chemical properties of the exoplanets

- **History** of planetary and space research
AUDIENCE

Astronomers, Astrophysicists, Atmospheric Physicists, Geophysicists and Planetologists.

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