PLANETARY AND SPACE SCIENCE

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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