



Advances in CubeSat Missions and Applications in Remote Sensing

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Message from the Guest Editors

CubeSats have proved their capabilities for Earth observation and planetary exploration in recent years, providing valuable data that support a wide range of environmental, scientific, and commercial applications. By using advanced sensor technologies and artificial intelligence algorithms, CubeSats may enable the acquisition of high-resolution images and data over extensive areas with a high revisiting frequency.

The use of CubeSats in remote sensing includes a broad range of scientific fields and practical applications on Earth: climate observation, agricultural monitoring, disaster response, urban planning, and many others; they provide a reduced-cost solution to help us understand atmospheric processes, ocean dynamics, and land use changes. Regarding planetary exploration, CubeSats are increasingly used to obtain data from other planets and satellites, complementing other more complex missions.

This Special Issue aims to display the latest applications of CubeSat missions in remote sensing. Included contributions will address a range of topics, covering novel sensor designs, mission planning and execution, data processing techniques, and successful CubeSat mission cases.





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Message from the Editor-in-Chief

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