

## Special Issue

# Satellite Geodesy and Earth System Monitoring

### Message from the Guest Editors

We are excited to announce a Special Issue of Applied Sciences, titled "Satellite Geodesy and Earth System Monitoring". In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the time-dependent applications of satellite geodesy in:

**Meteorology and Atmospheric Modelling:** Monitoring temporal variations in atmospheric phenomena, including ionospheric and tropospheric conditions, and their impacts on weather patterns, climate change, and atmospheric pressure shifts using GNSS and satellite-based systems.

**Hydrology and Temporal Water Cycle Variability:** Tracking changes in groundwater levels, terrestrial water storage, river flow, and hydrological extremes over time using satellite geodesy techniques.

**Oceanography and Cryosphere:** Monitoring temporal changes in sea levels, ocean currents, and dynamic ocean circulation patterns using satellite altimetry and geodetic methods to track both seasonal and long-term oceanic fluctuations.

**Geodynamics:** Monitoring the temporal evolution of Earth's surface deformation.

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### Guest Editors

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### Deadline for manuscript submissions

20 June 2026



## Applied Sciences

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## 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.

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### Editor-in-Chief

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