

Special Issue

Geospatial Data Processing, Mining and Application

Message from the Guest Editors

This Special Issue aims to bring together original research and comprehensive reviews that advance the state-of-the-art in geospatial data processing, mining, and application. We are particularly interested in contributions that propose novel techniques, frameworks, or application-driven solutions to tackle challenges in geospatial data analysis. Potential topics include, but are not limited to, the following:

- Novel methods for geospatial data acquisition, integration, and fusion;
- Advances in spatial statistics and geostatistics;
- Advanced techniques such as machine learning and deep learning for geospatial data mining;
- Visualization techniques for spatial and spatiotemporal data;
- Interdisciplinary applications of geospatial data in urban planning, environmental monitoring, and disaster management+transportation/mobility/human behavior;
- High-performance and cloud computing for large-scale geospatial data processing;
- Open geospatial data and reproducibility in geospatial research.

We welcome submissions from diverse disciplines, including geography, computer science, environmental science, and urban studies, to foster cross-disciplinary collaborations.

Guest Editors

Dr. Xiaokang Fu
Dr. Tao Hu
Dr. Mengling Qiao

Deadline for manuscript submissions

closed (20 September 2025)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 6.1



mdpi.com/si/231707

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 6.1



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (Fluid Flow and Transfer Processes)