

Special Issue

GIS-Based Spatial Analysis for Environmental Applications

Message from the Guest Editors

Geospatial technologies are transforming the analysis and management of environmental challenges and this Special Issue aims to collect innovative research in geomatics that utilizes spatial data integration for environmental applications, with a particular focus on safety and emergency management.

Key objectives of this Special Issue include:

Advancing methodologies for spatial data collection, processing, and integration;

Presenting case studies that demonstrate the practical application of geospatial tools in addressing natural and anthropogenic hazards;

Developing innovative frameworks and solutions for improving disaster risk management and emergency response.

We invite researchers and practitioners in geomatics, remote sensing, UAV research, laser scanning, and related fields to contribute original research papers, theoretical analyses, and practical case studies.

Guest Editors

Dr. Raffaella Brigante

Department of Engineering, University of Perugia, Via Duranti, 93, 06125 Perugia, PG, Italy

Prof. Dr. Valerio Baiocchi

Department of Civil Construction and Environmental Engineering, Sapienza University of Rome, 800184 Rome, Italy

Deadline for manuscript submissions

20 August 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/224400

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

mdpi.com/journal/

applsci





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[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 (General Engineering)