

Special Issue

GIS Open Source Software Applied to Geosciences

Message from the Guest Editors

This Special Issue of *Geomatics* will address the implementation and use of open source GIS applications for geospatial analysis in several areas, such as climate change, environment, biology, health, risk, landscape, and ecology, among others. As well as the development of new web-based GIS solutions, which have led to easier ways to disseminate geospatial information to any user and GIS mobile applications, a powerful technology which improves the quality and speed of data collection simplifying the collaboration between field and office. The scope of this Special Issue includes the following:

- The implementation of new methodologies in GIS open source applications
- The application of GIS open source tools in several areas: environment, health, and climate change, among others
- The implementation of databases such as PostGIS or other in GIS open source applications
- GIS technologies to manipulate big data
- Web-based GIS solutions
- Real-time data collection

Guest Editors

Dr. Ana Cláudia Teodoro

Institute of Earth Sciences, Faculty of Sciences, University of Porto, Rua Campo Alegre s/n, 4169-007 Porto, Portugal

Dr. Lia Bárbara Cunha Barata Duarte

1. Faculty of Sciences, University of Porto, 4169-007 Porto, Portugal
2. Institute of Earth Sciences, University of Porto, 4169-007 Porto, Portugal

Deadline for manuscript submissions

closed (15 August 2023)



Geomatics

an Open Access Journal
by MDPI

Indexed in Scopus
Tracked for Impact Factor



mdpi.com/si/70185

Geomatics
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
geomatics@mdpi.com

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





Geomatics

an Open Access Journal
by MDPI

Indexed in Scopus
Tracked for Impact Factor



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



About the Journal

Message from the Editor-in-Chief

Geomatics is an information technology discipline which integrates the tasks of gathering, storing, processing, modeling, analyzing, and delivering spatially referenced or location information.

Geomatics journal offers a new forum to promote multidisciplinary research over broad ranges geomatics innovative research and applications. Original contributions in the form of research papers, communications, letters, short notes, and reviews on all aspects of *Geomatics* are invited.

Editor-in-Chief

Prof. Dr. Enrico Corrado Borgogno Mondino
Department of Agricultural, Forest and Food Sciences, University of
Turin, L.go Braccini 2, 10095 Grugliasco, Italy

Author Benefits

Open Access:

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

High Visibility:

indexed within ESCI (Web of Science), Scopus, EBSCO, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 22.1 days after submission; acceptance to publication is undertaken in 3.3 days (median values for papers published in this journal in the second half of 2024).