Special Issue

Integration of New Disruptive Technologies into Digital Geological Mapping

Message from the Guest Editor

With the advancement of disruptive technologies and digital geological mapping, various approaches for large-volume data collection for geohazard monitoring systems through the integration or fusion of Earth observation and geophysical methods have been proposed. In this way, operations with the aim of creating databases on geohazard events, such as flooding, landslides, erosion, and drought, using time-lapse electrical resistivity tomography (ERT) monitoring systems and Earth Observation imageries can be proposed. These technologies have brought about huge changes in the way people behave and interact with the environment. However, it would be interesting to evaluate how different approaches could help or facilitate scientists and researchers with their field data collection activities. In this Special Issue, we intend to collect and promote noteworthy research contributions that advance our knowledge of remote sensing disciplines and geologic studies. This Special Issue will focus on the latest new disruptive technologies and their applications in geology disciplines in relation to mapping and surveying data collection activities.

Guest Editor

Dr. Anselme Muzirafuti

Department of Mathematics, Computer Sciences, Physics and Earth Sciences, University of Messina, Via F. Stagno d'Alcontres, 31–98166 Messina, Italy

Deadline for manuscript submissions

25 July 2026

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/209607

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

mdpi.com/journal/sensors

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/journal/sensors

About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, 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), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)