

Special Issue

SAR Applications in Engineering Geology and Structural Engineering

Message from the Guest Editors

Dear colleagues, The scientific community can take advantage in terms of knowledge from InSAR and DInSAR products, thanks to the increasing availability of satellite SAR data. Moreover, the progressive potential of these kinds of sensors in terms of spatial resolution make the available products more accurate and suitable for using in a broad spectrum of Engineering Geology and Structural Engineering. Furthermore, the possibility to integrate the classic interpretation techniques make possible the growing of new strategic worldwide research fields. Overall, the availability of new constellations of synthetic aperture radar (SAR) sensors is leading to important advances Engineering Geology and Structural Engineering. These constellations offer the advantage of reduced revisit times, providing low-latency data that enable analysis that can identify structural instability and dynamic deformation processes. This Special Issue focuses on new applications jointly exploiting differential techniques, bridging the gaps between remote-sensing space-borne observations in engineering geology and structural engineering.

Guest Editors

Dr. Pietro Milillo

Prof. Dr. Michele Saroli

Dr. Alessandro Ferretti

Dr. Cathleen Jones

Prof. Dr. Domenico Calcaterra

Dr. Salvatore Stramondo

Deadline for manuscript submissions

closed (31 December 2019)



Geosciences

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 5.1



mdpi.com/si/22231

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

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





Geosciences

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 5.1



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



About the Journal

Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based political decisions.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Editor-in-Chief

Prof. Dr. John C. Eichelberger

Alaska Center for Energy and Power, University of Alaska Fairbanks,
Fairbanks, AK, USA

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, ESCI (Web of Science), GeoRef, Astrophysics Data System, and other databases.

Journal Rank:

CiteScore - Q1 (General Earth and Planetary Sciences)