



Protection and Conservation of Cultural Heritage: A Role for Remote Sensing

Guest Editor:

Dr. Giuseppe Casula

National Institute of Geophysics
and Volcanology Unit of Bologna,
I-40128 Bologna, Italy

Deadline for manuscript
submissions:

closed (31 October 2021)

Message from the Guest Editor

Dear Colleagues,

Nowadays, remote sensing and proximal sensing contactless non-destructive techniques (NDT) are becoming more and more important for the characterization and monitoring of the state of conservation in the protection of monuments, ancient buildings and cultural heritages. For this purpose, the synergistic application of remote and proximal sensing methods is of paramount importance. Terrestrial laser scanner (TLS), structure from motion (SfM), space and terrestrial synthetic aperture radar (SAR), SAR tomography, X-ray tomography, scanning electron microscopy (SEM), optical microscopy (OM), petrography, high frequency ultrasound tomography, ground penetrating radar (GPR), global navigation satellite system (GNSS) and unmanned aerial system (UAS) are examples of methods to 3D model, diagnose and monitor the conservation state of monuments and ancient artifacts using, as far as possible, non-invasive approaches. This Special Issue is dedicated to all experts of remote and proximal sensing non-destructive techniques that can be applied to the preservation and restoration of cultural heritage throughout the world.

Dr. Giuseppe Casula

Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S.
Geological Survey (USGS), USGS
Western Geographic Science
Center (WGSC), 2255, N. Gemini
Dr., Flagstaff, AZ 86001, USA

Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank: JCR - Q1 (*Geosciences, Multidisciplinary*) / CiteScore - Q1 (*General Earth and Planetary Sciences*)

Contact Us

Remote Sensing Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)