



Applying Remote Sensing for Sustainable Land Use Changes

Guest Editor:

Prof. Dr. Szilárd Szabó

Department of Physical
Geography and Geoinformatics,
University of Debrecen, Debrecen
4023, Hungary

szabo.szilard@
science.unideb.hu

Deadline for manuscript
submissions:

31 January 2022

Message from the Guest Editor

Landscape change can be natural and can be relevant, even drastic (due to wildfires, volcano eruptions, etc.), but usually, changes have anthropogenic driving forces. Land-use change is one of the most crucial points in human-induced detrimental processes. Large natural or semi-natural areas had been transformed into urban areas and ploughlands, decreasing the biodiversity and conditions of runoff, erosion, etc. Remote sensing is an efficient method in monitoring fast with a favorable cost–benefit ratio. Satellites and aerial surveys including aircraft and unmanned aerial systems (UASs) provide a diverse source of remotely sensed data for evaluation. The processing environment is also an important part of the evaluation, and new algorithms, higher calculation capacity, and shorter processing time ensure new possibilities in scientific research, too. Both cases can result in an unfavored state, which should be identified and managed. This Special Issue aims to help decision-makers with relevant topics on each level (local, regional and global), which point to slower or faster, smaller or larger land-use changes, meaning the risk for sustainability in the short or long run.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer-reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Author Benefits

Open Access:— free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High visibility: indexed within [Scopus](#), [SCIE](#) and [SSCI \(Web of Science\)](#), [GEOBASE](#), [Inspec](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and many [other databases](#).

Journal Rank: [JCR](#) - Q2 (*Environmental Sciences*) / [CiteScore](#) - Q1 (*Geography, Planning and Development*)

Contact Us

Sustainability
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[@Sus_MDPI](https://twitter.com/Sus_MDPI)