

Special Issue

Applying Remote Sensing for Sustainable Land Use Changes

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.

Guest Editor

Prof. Dr. Szilárd Szabó

Department of Physical Geography, Faculty of Science and Technology,
University of Debrecen, 4032 Debrecen, Hungary

Deadline for manuscript submissions

closed (31 January 2022)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/68741

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

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





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



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



About the Journal

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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)