

Earth Observation Data in Sustainable Urban Science Research

Guest Editors:

Dr. Tilottama Ghosh

Earth Observation Group, Payne
Institute for Public Policy,
Colorado School of Mines,
Golden, CO 80401, USA

Dr. Pranab K. Roy Chowdhury

School of Environment and
Forest Sciences, University of
Washington, Seattle, WA, USA

Deadline for manuscript
submissions:

closed (30 June 2021)

Message from the Guest Editors

Dear Colleagues,

The world is undergoing rapid urbanization, and it is now expected that about 68% of the world population will be living in urban areas by the year 2050. Such rapid growth poses several sustainability challenges related to ensuring environmental sustainability, resource management, and well-being of urban inhabitants. However, efforts to address these issues have been severely thwarted by the lack of usable data at urban scales. Given that most projected urban growth is expected in data-starved regions around the world, alternative data sources and methods are urgently needed for research. Earth observation (EO) geospatial datasets offer a much-needed avenue to explore the aforementioned critical questions, which would also necessitate efficient methods to use such datasets to answer sustainable questions. The erstwhile DMSP-OLS nighttime lights data and newer VIIRS DNB data are prime examples of such applications, especially in studying urban population, economy, carbon emission, etc.



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Wolfgang Kainz

Cartography and Geographic
Information Science, Department
of Geography and Regional
Research, University of Vienna,
Universitätsstr. 7, A-1010 Vienna,
Austria

Message from the Editor-in-Chief

The *ISPRS International Journal of Geo-Information* invites you to submit research articles, reviews, and reports covering topics of the whole domain of geo-information. Although the journal was only founded in 2012, it has already achieved wide recognition in the scientific community. We are proud that since April 2015, our journal is indexed by the SCIE of the Web of Science. As Editor-in-Chief, I encourage you to consider *IJGI* for your scientific papers and would be pleased to welcome you as authors.

Author Benefits

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

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [GeoRef](#), [PubAg](#), [dblp](#), [Astrophysics Data System](#), [Inspec](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Geography, Physical*) / CiteScore - Q1 (*Geography, Planning and Development*)

Contact Us

ISPRS International Journal of Geo-Information Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/ijgi
ijgi@mdpi.com
[X@ISPRS_IJGI](https://twitter.com/ISPRS_IJGI)