



Computational Sustainability: The Role of Earth Observation Science and Machine Learning in Securing a Sustainable Future

Guest Editor:

Dr. Evangelos Roussos

Department of Engineering
Science, University of Oxford,
Oxford, OX1 3PJ, UK.

eroussos@robots.ox.ac.uk

Deadline for manuscript
submissions:

25 March 2022

Message from the Guest Editor

Dear Colleagues,

Data-driven, informed decisions about future actions regarding the environment depend critically on accurate and up-to-date spatial information about geographically-distributed phenomena and patterns. Moreover, uncertainties stemming from natural hazards and risks can potentially have severe environmental, societal, and economic impacts, and should be included in any urban and regional planning or infrastructure engineering design.

Modern earth observation science can provide this information with unprecedented accuracy and precision to earth and environmental sciences and engineering. The purpose of this Special Issue is to investigate the ways the core information technologies of earth observation science on one hand, and machine learning and spatial data science on the other, can provide high quality spatial information and computational models in order to assist sustainability science tackle the complex problems our planet is facing today and secure a sustainable future.

I would like take this opportunity to encourage you to submit articles and scholarly papers on the relevant topics of this Special Issue.

Guest editor:

Dr. Evangelos Roussos





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)