

Special Issue

Modeling and Managing Catastrophic Risks in Heterogeneous Systems

Message from the Guest Editors

The aim of the Special Issue on “Modeling and Managing Catastrophic Risks in Heterogeneous Systems” is to provide researchers from diverse scientific areas with a possibility to discuss various cross-disciplinary problems of effectively and robustly dealing with uncertainties and risks in heterogeneous interacting natural and anthropogenic systems, including food, energy, water, environmental, social security management, economic, engineering, healthcare decision-making in the presence of uncertainty and risks. Contributions to the Special Issue can address, but are not limited to, the following topics: robust policy analysis and decision-making in interdependent food, water, energy, environmental systems under uncertainty and risks; food, energy, water, environmental, social and health security problems; spatio-temporal modeling and management of catastrophic risks; robust estimation, machine learning, and Big Data problems; stochastic dynamic programming; STO with probabilistic chance constraints; approaches to discounting for long-term projects.

Guest Editors

Dr. Tatiana Ermolieva

Dr. Michael Obersteiner

Prof. Dr. Yuri Ermoliev

Deadline for manuscript submissions

closed (15 August 2022)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/70273

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. *Sustainability* publishes original research articles, review 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. Marc A. Rosen

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

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, CAPIus / SciFinder, and other databases.

Journal Rank:

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