

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)



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

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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

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