# Special Issue

# Machine Learning for Sustainable Energy

### Message from the Guest Editors

Energy systems are transforming worldwide to mitigate carbon emissions and global warming. Machine learning, which is an ideal companion to renewable energy, can facilitate the process of energy sector transformation. Because the major sources of renewable energy, wind and solar, are in their very nature, variable, it is a challenging task for a modern society to depend on these sources. We invite all colleagues to submit an original manuscript with novel research results on this general topic, including, but not limited to, applications of machine learning related to energy system analysis; renewable energy and renewable energy systems; the energy transition; weather data modeling; forecasting of relevant quantities, such as generation, demand, or electricity prices; demand-side management; peer-to-peer energy trading; use of big data in energy research; and other issues relevant to sustainable energy.

### Guest Editors


Prof. Dr. Horst Stoecker

Dr. Jakub Jurasz

Dr. Kai Zhou

Dr. Nishtha Srivastava

Dr. Alexander Kies


### Deadline for manuscript submissions

closed (1 January 2021)


**Sustainability**

**an Open Access Journal by MDPI**

**Impact Factor 3.3**
**CiteScore 7.7**

mdpi.com/si/42738

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

mdpi.com/journal/sustainability

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/journal/sustainability

MDPI

# 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, CAPlus / SciFinder, and other databases.

**Journal Rank:**

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