



Applications of Intelligent Techniques in Modeling Clean Energy Technologies

Guest Editors:

Dr. Mohammad Alhuyi Nazari

1. Renewable Energy and
Environmental Engineering Dep.,
University of Tehran, Tehran, Iran
2. MAPNA Group, Tehran
1915843613, Iran

Dr. Arman Haghighi

Department of Mechanical
Engineering, California State
Polytechnic University, Pomona,
CA 91768, USA

Dr. Ali Shahhoseini

Electrical and Biomedical
Engineering Department, Qazvin
Branch, Islamic Azad University,
Qazvin 11, Iran

Deadline for manuscript
submissions:

closed (21 November 2022)

Message from the Guest Editors

Dear Colleagues,

The Significance of clean energy development technologies has increased in recent years due to the emergence of environmental issues related to the utilization of fossil fuels. The present Special Issue aims to gather high quality original and review articles that consider the utilization of intelligent techniques for modeling and predicting the performance of various clean energy technologies and tackling their problems. The main topics of interest for the present issue are as follows:

Renewable energy systems, modeling, and optimization;
Using intelligent techniques to predict weather data that
is relevant to the performance of clean energy systems;

Prediction of the emissions of clean energy technologies
throughout their lifecycle by means of intelligent methods;

Modeling and forecasting the properties of the materials
with the potential to enhance the performance of clean
energy technologies;

Trend prediction of clean energy systems with respect to
their environmental impact, market effects, utilization, etc.

Dr. Mohammad Alhuyi Nazari
Guest Editor





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. *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.

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](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

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

Contact Us

Sustainability Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)