Special Issue

Renewable Generation and Environmental Impact Management: A Review of Current Knowledge and Practices

Message from the Guest Editors

One of the main challenges we are facing today is meeting increased energy demands while reducing greenhouse gas and pollutant emissions. The world energy demand has been predicted to increase by 28% by 2040. Currently, the energy is primarily obtained from fossil fuels, which are the dominant source of greenhouse gas emissions, posing significant threats to the environment through climate change. There is an impetus to produce more sustainable and ecofriendly energy fuels to reduce carbon emissions.

The renewable energy sector is the fastest-growing source of energy. Several types of technologies (thermal, thermochemical, biochemical, and biological) are used to generate different types of renewable energy fuels and sustainable chemicals that can be utilized to produce energy. It is essential to examine the environmental impact and benefits of renewable energy technologies to improve their efficiency and build a sustainable environment. Considering the significance of the topic, our Special Issue aims to cover the most recent progress and the advances in the field of renewable energy and environmental impact management.

Guest Editors

Prof. Dr. Vladimir Strezov

School of Natural Sciences, Macquarie University, Sydney, NSW 2109, Australia

Dr. Ravinder Kumar

Department of Earth and Environmental Sciences, Macquarie University, Macquarie Park, NSW 2109, Australia

Deadline for manuscript submissions

closed (1 October 2021)

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/si/69675

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)