# **Special Issue**

# Renewables Application: Challenges and Perspectives

### Message from the Guest Editors

The last decades have demonstrated that in the sector of energy generation from renewable sources, there has been room for technological improvements in concordance also with the Circular Economy view. The efficiency of biogas generation from food waste has improved significantly in real-scale plants, also thanks to the increased efficiency of modern selective collection strategies that can guarantee an input with few impurities. The biogas sector has also evolved towards enhanced solutions such as the upgrading of biogas to biomethaneand to the refining of the remaining off-gas in order to extract CO2. Another case is the start of a new stage of electrification, which took place during the Industrial Revolution 4.0, which means a massive saturation of various industries with electrical technologies and opens up new opportunities for using renewable energy sources in industry and smart urban infrastructure. Prospects for the use of renewable energy sources (wind, solar energy, geothermal, tidal, ocean thermal, wave energy)... For more information about this SI, please veiw the following link: https://www.mdpi.com/journal/resources/special\_issue s/renewables\_application

### **Guest Editors**

Dr. Elena Cristina Rada

Prof. Dr. Elena Magaril

Dr. Larisa Ivascu

### Deadline for manuscript submissions

closed (31 July 2021)



# Resources

an Open Access Journal by MDPI

Impact Factor 3.2 CiteScore 7.2



mdpi.com/si/39173

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

mdpi.com/journal/resources





# Resources

an Open Access Journal by MDPI

Impact Factor 3.2 CiteScore 7.2



# **About the Journal**

## Message from the Editor-in-Chief

Responsible prosperity is underpinned by sustained access to resources. *Resources*, publishes excellent science and scholarship which transforms understanding, practices and policies for conserving all natural resources–from water, land and air; to plant and animal biodiversity; to minerals and energy and their interconnection across scales. Significantly, we invite high quality submissions from natural and social sciences.

Build impact from your research by submitting to *Resources*, an open-access journal connecting you with data, insights, ideas and evidence needed to shape a better world.

#### Editor-in-Chief

Prof. Dr. Benjamin McLellan

Graduate School of Energy Science, Kyoto University, Yoshida-honmachi, Sakyo-ku, Kyoto 606-8501, Japan

#### **Author Benefits**

## **High Visibility:**

indexed within Scopus, ESCI (Web of Science), GeoRef, PubAg, AGRIS, RePEc, and other databases.

#### **Journal Rank:**

JCR - Q2 (Environmental Sciences) / CiteScore - Q1 (Nature and Landscape Conservation)

### **Rapid Publication:**

manuscripts are peer-reviewed and a first decision is provided to authors approximately 24.6 days after submission; acceptance to publication is undertaken in 4.6 days (median values for papers published in this journal in the first half of 2025).

