

Special Issue

Emerging Technologies for Renewable Energy Utilization to Diversify the Energy Matrix

Message from the Guest Editors

We are excited to announce a Special Issue titled *“Emerging technologies for renewable energy utilization to diversify the energy matrix in developing countries”*. This Special Issue is dedicated to exploring innovative solutions and advancements in renewable energy technologies that can effectively diversify and enhance the energy matrix in developing nations, addressing their unique challenges and opportunities. Developing countries are at the forefront of the global transition towards a sustainable energy future. However, they face significant obstacles in meeting their growing energy demands while striving to reduce carbon emissions and promote sustainable development. The adoption of renewable energy sources presents a promising opportunity to address these challenges by providing clean, reliable, and affordable energy solutions. This Special Issue will showcase research contributions focusing on the development, implementation, and impact assessment of emerging technologies in renewable energy utilization within the context of developing countries.

Guest Editors

Dr. Edwin Lenin Chica Arrieta

Alternative Energy Research Group, Department of Mechanical Engineering, Faculty of Engineering, University of Antioquia, 70th Street No. 52-21, Medellín 050010, Colombia

Dr. Ainhoa Rubio-Clemente

1. Alternative Energy Research Group, Faculty of Engineering, University of Antioquia, 70th Street No. 52-21, Medellín 050010, Colombia
2. Pollution Diagnosis and Control Research Group, Faculty of Engineering, University of Antioquia, 70th Street No. 52-21, Medellín 050010, Colombia
3. Environmental School, Faculty of Engineering, University of Antioquia, 70th Street No. 52-21, Medellín 050010, Colombia

Deadline for manuscript submissions

closed (1 August 2025)



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/207753

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

[mdpi.com/journal/
processes](https://mdpi.com/journal/processes)





Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



[mdpi.com/journal/
processes](https://mdpi.com/journal/processes)



About the Journal

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))