Special Issue

Novel Reactors Design, Characterization and Analysis for Catalytic Processes for Energy Applications

Message from the Guest Editors

Meeting the requirements of growing industrial production and environmental protection currently poses a significant challenge for reactor designers. Catalytic processes are particularly important, as they can be applied to a variety of energy applications, from traditional fossil fuel production to new, sustainable energy technologies such as hydrogen fuel. Catalytic processes play a key role in shaping energy systems, increasing their efficiency, selectivity, and sustainability. We are pleased to invite you to contribute to a Special Issue dedicated to the exploration, development, optimization, and testing of catalytic reactors, including catalysts and supports, with a particular focus on energy applications. We are seeking papers that offer innovative approaches, extensive validation studies, and practical applications, promoting insightful discussion in this field. Broad contributions, including experimental and computational studies, would be valuable subjects of this Special Issue.

Guest Editors

Dr. Anna Gancarczyk

Institute of Chemical Engineering, Polish Academy of Sciences, Bałtycka 5, 44-100 Gliwice, Poland

Dr. Katarzyna Sindera

Institute of Chemical Engineering, Polish Academy of Sciences, Bałtycka 5, 44-100 Gliwice, Poland

Deadline for manuscript submissions

20 February 2026

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/251813

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

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, 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, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)