Special Issue

Catalytic Conversion of Energy Resources into High Value-Added Products

Message from the Guest Editors

We invite authors to submit original communications, articles and reviews on the application of heterogeneous catalysis in the conversion of energy resources. The overriding aim of this Special Issue is to provide a platform for researchers to present their latest progress in the development of cleaner, more efficient processes for the conversion of these feedstocks into valuable fuels, chemicals and energy. These catalytic processes include, but are not limited to, the conversion of natural gas, solid fuels (coal, biomass) and heavy liquids (petroleum vacuum residues, bio-oils). The issue will be focus mainly on the application of conventional catalysts based on zeolites, carbon-based materials and mesoporous metal oxides and relatively less exploited catalysts based on transition metal phosphide, nitrides and carbide, ionic liquids as well as atomically dispersed catalysts, with different reactions such as reforming, hydrogenation, cracking and selective oxidation.

Guest Editors

Dr. José Luis Pinilla

Dr. Isabel Suelves

Dr. Tomás García

Deadline for manuscript submissions

closed (30 June 2020)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/20530

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)