



energies



an Open Access Journal by MDPI

Modern Approaches in the Design of Processes and Equipment in Energy Industry

Guest Editor:

Dr. Zdenek Jegla

Faculty of Mechanical
Engineering, Brno University of
Technology, Technická 2, 616 69
Brno, Czech Republic

Deadline for manuscript
submissions:

closed (30 December 2022)

Message from the Guest Editor

Dear Colleagues,

It is difficult to imagine a modern society without an energy industry. Its constantly expanding role is accompanied by the gradual replacement of traditional approaches to designing processes with modern ones. This applies to all areas of the energy industry, including energy-saving approaches and technologies, the optimal use of renewable energy sources, integration of energy processes, systems and equipment, advanced design of technologies, processes and individual equipment, and their details and materials. Modern energy equipment is characterized by its high compactness, low weight, high performance, and reliability. In addition, contemporary energy processes involve a high level of monitoring, measurement and control of individual systems and equipment, and reliable diagnostic techniques.

This Special Issue aims to present and disseminate the latest advances in the theory, design, modeling, application, control, and condition monitoring of modern processes and equipment in the energy industry.

Prof. Dr. Zdenek Jegla

Guest Editor



mdpi.com/si/119171

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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.

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, CAPus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (*Engineering (miscellaneous)*)

Contact Us

Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://x.com/energies_mdpi)