Special Issue

Modelling of Industrial Processes

Message from the Guest Editors

The modelling of industrial processes has evolved following the understanding of the fundamental science that underlies them and the growth of computational power that allowed the resulting knowledge to be cast into refined design and operation algorithms. Presently, new opportunities and challenges are looming up. The impending industrial revolution, boosted by advances in basic science, such as nanotechnology, biotechnology, artificial intelligence, and big data analysis, will change scale and scope of production. Sustainability will profit from improved process intensification and energy integration. Industrial processes, facing new scenarios, will have to strengthen resiliency and flexibility to withstand sudden supply chains collapses, trade wars, and price oscillations. Industrial revolution, sustainability and management of uncertainty will deeply affect traditional areas, such as process optimization, optimal control, process synthesis, scale-up techniques, and safety analysis.

Guest Editors

Prof. Dr. Vincenzo Dovì
Italian Embassy, Germany Hiroshimastrasse 1-7 10785 Berlin, Germany

Prof. Dr. Valery Pavlovich Meshalkin, Academician of RAS
Mendeleev University of Chemical Technology, Myusskaya Square 9 Moscow, Russia

Deadline for manuscript submissions

closed (31 October 2020)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/31176

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)