Special Issue

New Frontiers in Chemical Looping Technology for Fuel Conversion

Message from the Guest Editor

For this Special Issue of *Energies* (IF: 3.004) entitled "New Frontiers in Chemical Looping Technology for Fuel Conversion", we would like to encourage original contributions regarding the scale-up of chemical looping processes and new applications of chemical looping. Potential topics include, but are not limited to: the development of oxygen carriers; the design and operational experiences of chemical looping reactors and plants; the development of chemical looping processes under pressurized conditions; chemical looping processes for hydrogen and syngas production; the chemical looping conversion of biofuels; chemical looping modelling and process simulation; techno-economic analysis of chemical looping technologies; chemical looping for high-temperature thermochemical energy storage; chemical looping deoxygenation; chemical looping epoxidation; methane-to-methanol via chemical looping; chemical looping partial oxidation; application of chemical looping in mitigating ventilation air methane (VAM) emissions; chemical looping oxidative dehydrogenation; chemical looping for the oxidative coupling of methane; chemical looping selective oxidation; etc.

Guest Editor

Dr. Arturo Cabello

CSIC - Instituto de Carboquimica, Combustion and Gasification Group, C. Miguel Luesma Castán, 4, 50018 Zaragoza, Spain

Deadline for manuscript submissions

closed (24 May 2022)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/100480

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)

MDPI