



energies

an Open Access Journal by MDPI



Advances in Low Carbon Technologies and Transition II

Guest Editors:

Prof. Dr. Shigemi Kagawa

Faculty of Economics, Kyushu
University, Fukuoka, Fukuoka
Prefecture, Japan

Prof. Dr. Hidemichi Fujii

Faculty of Economics, Kyushu
University, Fukuoka, Fukuoka
Prefecture, Japan

Deadline for manuscript
submissions:

closed (10 March 2023)

Message from the Guest Editors

Dear colleagues,

A wide variety of low-carbon technologies and products have already spread in our society. However, policies have not been well implemented to effectively reduce CO₂ emissions by promoting low-carbon technologies and products. Demand-side policies focus on maximizing a reduction in consumption-based CO₂ emissions through replacing older products with higher CO₂ emissions with newer products with lower CO₂ emissions, whereas supply-side policies focus on minimizing production-based CO₂ emissions on a production possibility frontier through achieving technological change and advancement. This Special Issue focuses on studies targeting specific products (e.g., motor vehicle, refrigerator, etc.) and/or specific technologies (e.g., steel-making technology, power generation technology, etc.) and quantifying CO₂ emissions associated with products and technology systems using the reliable inventory database. Thus, this Special Issue welcomes high-quality papers on how policies can contribute to reducing CO₂ emissions from consumption- and production-based perspectives.



mdpi.com/si/70357

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, CAPlus / 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)