Special Issue

Air-Cooled Fuel Cells

Message from the Guest Editors

The purpose of this Special Issue is to highlight the most insightful and influential investigations and theories, those that will form the foundation of the next year's technological challenges in AC-PEFCs. We would like to include articles that show recent developments in the field of design, modeling and validation, Balance of Plant (BoP) proposals, and practical applications of AC-PEFCs. Topics of interest for publication include but are not limited to: -air cooled open-cathode polymer electrolyte fuel cells -BoP configurations -oxidant/cooling subsystem design -thermal management -development of new materials for MEAs, flow channels, electrodes -experimental studies of AC-PEFCs in low, medium, and high power -performance improvement of AC-PEFC -electrochemical impedance spectroscopy -electrothermal performance mapping -comparison between liquid cooled and air cooled PEFCs -AC-PEFCs applications: transport, stationary, and micro-CHP -AC-PEFC market and industry reviews -AC-PEFC challenges in the next years

Guest Editors

Prof. Dr. Francisca Segura

Department of Electronic, Computer Science and Automatic Engineering, University of Huelva, Avenida de las Artes, 21007 Huelva, Spain

Dr. Francisco J. Vivas Fernández

Departamento de Ingeniería Electrónica, Universidad de Huelva, de Sistemas Informáticos y Automática, 21007 Huelva, Spain

Deadline for manuscript submissions

closed (30 November 2021)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/44042

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