



Nanoparticles and Nanofluids for Energy Applications

Guest Editor:

Dr. Helena M. R. Gonçalves

REQUIMTE, Instituto Superior de
Engenharia do Porto, 4200-072
Porto, Portugal

Deadline for manuscript
submissions:

closed (31 August 2021)

Message from the Guest Editor

Energy consumption worldwide is constantly growing, and with it, there is a pressing need to develop new materials that can tackle this demand in a sustainable way. In the building sector, it is of the utmost importance that energy consumption can be counterbalanced with the generation of renewable energy, in situ. We live in a technological world, and in this reality, nanotechnology has a major role. In the energy area, nanoparticles can be found in, e.g., storage units, luminescent solar concentrators, smart windows, and heat transfer mechanisms. All of these can provide high input in society and in the construction of a sustainable energy future. Nanofluids, have a largely superior performance when compared to the currently employed heat transfer liquids. Another interesting application of nanoparticles is in luminescent solar concentrators (LSCs). These devices can potentially transform a building façade into an electricity power generator. As researchers, the possibility of creating a green, sustainable, future for generations to come is in our hands.





energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 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 (Control and Optimization)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

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