Special Issue

Advances in Solar Energy Harvesting and Thermal Storage

Message from the Guest Editors

Solar energy is arguably the most abundant renewable energy source in nature. However, it presents some criticalities that make it difficult to exploit it massively, first of all, the low energy density and the intermittence of its availability. Technological advances tend to address these difficulties by improving solar energy capture efficiencies and storage systems. The capture efficiency is greatly influenced by the temperature of the heat transfer fluid. This particularly high temperature in concentrating systems poses problems both for the fluids to be used and for the storage systems affected by greater heat losses. The Special Issues will deal with the most recent advances in these energy issues and will represent an interesting focus on the optimal use of solar energy. The overall objective of this Special Issue is to provide a comprehensive view on the technological developments in solar energy capture and its storage in a thermal way and to disseminate the current state of the art in research in the field.

Guest Editors

Prof. Dr. Amoresano Amedeo

Prof. Dr. Giuseppe Langella

Dr. Paolo Iodice

Deadline for manuscript submissions

closed (15 January 2024)

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/si/119676

Processes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

mdpi.com/journal/processes

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/journal/processes

About the Journal

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto
Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, 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, Inspec, AGRIS, and other databases.

Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))