Special Issue

Energy Harvesting by Smart Materials

Message from the Guest Editor

Energy harvesting technologies can harvest energy that dissipates in the form of solar radiation, electromagnetic waves, heat, wind, vibration, etc. and convert it into electric energy. Energy harvesting technologies can be classified into four main process: harvesting energy from the environment; converting harvested energy into electric energy; processing the energy in the form of power conversion circuits; and utilizing the power for sensing, communication, etc. Among these four processes, the energy harvesting process is mainly controlled by smart energy materials like photovoltaic, magnetic, thermoelectric, piezoelectric materials and so on. In this Special Issue, we invite submissions exploring the development of smart energy materials related to energy harvesting, but the invitation of submissions is not restricted to materials works. Contributions can focus on converting, processing, and utilizing the harvested energy explained above. Comprehensive reviews and survey works are also welcomed.
Guest editor

Guest Editor

Dr. Jung Young Cho
Korea Institute of Ceramic Engineering & Technology, Jinju, Korea

Deadline for manuscript submissions

closed (31 August 2022)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/104686

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, 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, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)