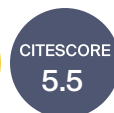




*energies*



an Open Access Journal by MDPI

## Functional Materials for Electrochemical Water Desalination

Guest Editors:

**Dr. Pattarachai Srimuk**

INM - Leibniz-Institute for New  
Materials, 66123 Saarbrücken,  
Saarland, Germany

**Dr. Pawin Iamprasertkun**

Department of Applied Physics,  
Faculty of Sciences and Liberal  
Arts, Rajamangala University of  
Technology Isan, Nakhon  
Ratchasima 30000, Thailand

Deadline for manuscript  
submissions:

**closed (5 March 2022)**

### Message from the Guest Editors

Ion transport is one of the basic principles for the development of many technologies, which can improve the life quality such as the ever-growing of clean and sustainable energy, the development of water scarcity, even for the improvement of fundamental knowledge toward medical applications. Yet, freshwater appears to be running short due to the increasing world population, industrialization, and climate change. There is an urgent need to seek out alternative freshwater; hence, water desalination and ions separation technologies have become major interest. The prime goal of this Special Issue is to shed more light on the energy-efficient ions separation from water by utilizing advanced and well-engineered materials. We invite both review articles and original/fundamental research articles in this area.



[mdpi.com/si/60699](https://mdpi.com/si/60699)

# 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](http://www.mdpi.com)

[mdpi.com/journal/energies](http://mdpi.com/journal/energies)  
[energies@mdpi.com](mailto:energies@mdpi.com)  
[X@energies\\_mdpi](https://x.com/energies_mdpi)