



Recent Advances in Nanotechnology and Nanomaterials

Guest Editors:

Prof. Dr. Hong Li

School of Mechanical &
Aerospace Engineering, Nanyang
Technological University,
Singapore

Prof. Dr. Beng Kang Tay

School of Electrical & Electronic
Engineering, Nanyang
Technological University, S1-B1a-
22, 50 Nanyang Avenue,
Singapore 639798, Singapore

Deadline for manuscript
submissions:

closed (31 January 2022)

Message from the Guest Editors

Dear Colleagues,

The advances of nanotechnology and discovery of nanomaterials have greatly benefited science and engineering. For instance, nanomaterials greatly enhance the solar cell efficiency, and nanomaterial catalysts significantly improves water splitting for green hydrogen production. Nanotechnology enriches the toolbox for study of new physics and chemistry. For instance, nanotechnology drastically accelerates the investigation of redox reaction mechanisms involved in supercapacitors, electrolysis etc. Accordingly, this Special Issue aims to showcase the significant roles of nanotechnologies and nanomaterials in both physics the chemistry, e.g., but not limited to, plasmonic, optoelectronic devices, solar cells and energy conversion/storage.

Prof. Dr. Hong Li

Prof. Dr. Beng Kang Tay

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Ai-Qun Liu

1. Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China
2. School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore 639798, Singapore

Message from the Editor-in-Chief

You are invited to contribute research articles or comprehensive reviews for consideration and publication in *Micromachines* (ISSN 2072-666X). *Micromachines* is published in the open access format. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Micromachines* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We are pleased to welcome you as our authors.

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), PubMed, PMC, Ei Compendex, dblp, and other databases.

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Mechanical Engineering*)

Contact Us

Micromachines Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/micromachines
micromachines@mdpi.com
[X@micromach_mdpi](https://twitter.com/micromach_mdpi)