



Advance Nanomaterials for Photoelectrochemistry Energy Storage/Generation and Environmental Remediations

Guest Editors:

Dr. Ibrahim Khan

School of Chemical Engineering
and Materials Science, Chung-
Ang University, 84 Heukseok-ro,
Seoul 06974, Republic of Korea

Dr. Muhammad Ashraf

Department of Chemistry, King
Fahad University of Petroleum
and Minerals, Dharam 31261,
Saudi Arabia

Dr. Syed Shaheen Shah

Graduate School of Engineering,
Kyoto University, Nishikyo-ku,
Kyoto 615-8520, Japan

Deadline for manuscript
submissions:

31 May 2024

Message from the Guest Editors

Dear Colleagues,

The Special Issue invites articles on the synthesis of nanomaterials (particularly shape-controlled) for applications such as electrochemical and photoelectrochemical water splitting and CO₂ conversion, batteries and capacitors, and piezoelectrics. We also invite articles from the fields of thin film fabrication for solar cells and photovoltaics. Lastly, contributions from photocatalysis involving environmental remediation, electrochemical organic transformations, and electrochemical deposition synthesis are also encouraged.

Dr. Ibrahim Khan

Dr. Muhammad Ashraf

Dr. Syed Shaheen Shah

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Multidisciplinary*) / CiteScore - Q1 (*Chemistry (miscellaneous)*)

Contact Us

Molecules Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](https://twitter.com/Molecules_MDPI)