Special Issue

Recent Advances in Dye-Sensitized and Perovskite Solar Cells

Message from the Guest Editors

Solar energy is a practically inexhaustible natural source of power for Earth. Efficient usage of solar energy has been considered as the most promising way to meet a global demand for energy. Therefore, the development of highly efficient solar cells, which is a response to the most pressing environmental and economic concerns, is of extreme importance. Because of physicochemical properties, light weight, flexibility, low manufacturing costs, and printability, dye-sensitized and perovskite solar cells are considered as one of the most promising photovoltaic technologies. This Special Issue of *Molecules* will cover the latest achievements in dye-sensitized and perovskite solar cells, including novel materials, device structures, technology, and the characterization method. This Special Issue aims to present a collection of experimental and review papers reporting the most recent advances in the fields.

Guest Editors

Dr. Aleksandra Drygała
Department of Engineering Materials and Biomaterials, Silesian University of Technology, Gliwice, Poland
Dr. Janusz Wyrwał
Department of Measurements and Control Systems, Silesian University of Technology, Gliwice, Poland

Deadline for manuscript submissions

closed (15 December 2024)

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/55637

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

mdpi.com/journal/molecules

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/journal/molecules

About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Reaxys, CaPlus / SciFinder, MarinLit, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).

MDPI