

Special Issue

Current Advances in Photochemistry

Message from the Guest Editors

In recent years, photochemistry has undergone considerable development in various fields of science, as well as influenced several aspects of our life. The study of photochemical systems can exploit sunlight in order to drive chemical reactions or to generate electricity, which is of great practical significance for the production of sustainable energy vectors. This Special Issue aims to provide an overview on the latest achievements in photochemistry, highlighting new molecular, supramolecular, and/or material-based systems, as well as their use in applications such as (but not limited to) bioimaging, functional devices, and catalysis. Particular attention can be given to the artificial photosynthesis approach, i.e., to the design of new molecular chromophores, redox catalysts, and electron donors/acceptors for solar energy conversion into value-added products or fuels. Studies of the dynamics of energy/charge transfer processes, also by means of ultrafast techniques, will also be welcomed.

Guest Editors

Dr. Giuseppina La Ganga

Dipartimento di Scienze Chimiche, Biologiche, Farmaceutiche ed Ambientali, and Interuniversity Research Center for Artificial Photosynthesis (SOLAR-CHEM), Università degli Studi di Messina, Via F. Stagno d'Alcontres 31, 98166 Messina, Italy

Dr. Serena Berardi

Department of Chemical, Pharmaceutical and Agricultural Sciences, University of Ferrara, Ferrara, Italy

Deadline for manuscript submissions

closed (30 June 2024)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/122687

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

[mdpi.com/journal/
molecules](https://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](https://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 29th 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 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).