

Special Issue

Recent Advances on Quantum Dots in Medical and Biology Science

Message from the Guest Editor

Quantum dots (QDs) are a group of semiconducting nanocrystals with unique optical and electronic properties. Depending on their sizes, QDs emit different wavelengths of light over a broad range of the spectrum, from visible to infrared. QDs are typically extensively used for optical applications due to their high extinction coefficient and resistance to photobleaching. The Special Issue "Recent Advances on Quantum Dots in Medical and Biology Science" aims to collect and disseminate some of the most significant and recent contributions in the interdisciplinary area of the application of QDs in medical and biology research, especially in cell targeting, delivery, diagnostics, cancer therapy, and imaging for cancer research.

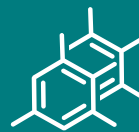
Guest Editor

Dr. Kevin Critchley

School of Physics and Astronomy, University of Leeds, Leeds, UK

Deadline for manuscript submissions

closed (31 March 2022)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

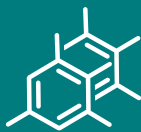


mdpi.com/si/79309

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).