

Special Issue

Stimuli-Responsive Biomaterials for Theranostics

Message from the Guest Editors

In recent decades, there has been a growing interest in stimuli-responsive biomaterials. Their responsiveness to biological stimuli (e.g., pH, enzymes, reduction-oxidation, glucose) and external triggers (e.g., temperature, light, ultrasound) affects their internal physicochemical properties and stabilities, and tuning the detection sensitivity, accuracy and biocompatibility, which shows potential in various biomedical applications including drug delivery, tissue engineering and diagnostics. The development of stimuli-responsive biomaterials facilitates achieving precision drug delivery, improving medical diagnostics with non- or minimally invasion, and endowing the matrices with the ability to communicate and interact with cells in tissue engineering, to promote the prosperity of precision medication. This Special Issue will focus on the design, synthesis and application of stimuli-responsive biomaterials for theranostics.

Guest Editors

Dr. Yin Wang

School of Pharmacy, Shanghai Jiao Tong University, Shanghai 200240, China

Dr. Zhu Jin

School of Pharmacy, Shanghai Jiao Tong University, Shanghai 200240, China

Deadline for manuscript submissions

closed (30 November 2022)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/117652

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 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.

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).