Special Issue

Phthalocyanines and Their Analogues: Something Old, Something New

Message from the Guest Editor

Metal phthalocyanines were discovered in the early 20th century, but they still attract the attention of researchers due to their unique optical, electrochemical, catalytic, and semiconductor properties. Phthalocyanines and their analogues are widely used in various fields of science and technology. The development in recent decades of such new scientific directions as chemistry of nanostructured materials, supramolecular chemistry, molecular electronics, initiated the use of their hybrid materials with carbon nanomaterials and metal nanoparticles as active layers of various electronic devices. The main target of this Special Issue is to provide a broad survey of the application of metal phthalocyanines and their hybrid materials as dyes, chemical sensors, catalysts of chemical processes, materials for nonlinear optics, and sensitizers in photodynamic therapy of oncological diseases. Articles devoted to basic research of structure–property correlations in phthalocyanines and other porphyrin-type compounds are also welcome.

Guest Editor

Prof. Dr. Tamara Basova

Nikolaev Institute of Inorganic Cmemistry, Siberian Branch of Russian Academy of Sciences, 630090 Novosibirsk, Russia

Deadline for manuscript submissions

closed (30 March 2020)

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/20579

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

MDPI

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).