



## Phthalocyanines and Their Analogues: Something Old, Something New

Guest Editor:

**Prof. Dr. Tamara Basova**

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

Deadline for manuscript  
submissions:

**closed (30 March 2020)**

### Message from the Guest Editor

Dear Colleagues,

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.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical  
Biology and Phytochemistry,  
University of Münster,  
Corrensstrasse 48, D-48149  
Münster, Germany

## 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.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Chemistry, Multidisciplinary*) / CiteScore - Q1 (*Chemistry (miscellaneous)*)

## Contact Us

*Molecules* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/molecules](http://mdpi.com/journal/molecules)  
[molecules@mdpi.com](mailto:molecules@mdpi.com)  
[X@Molecules\\_MDPI](https://twitter.com/Molecules_MDPI)