



an Open Access Journal by MDPI

## Porphyrins and Phthalocyanines: Synthesis, Properties and Applications 2021

Guest Editors:

**Dr. João P. C. Tomé**

Centro de Química Estrutural,  
Institute of Molecular Science  
and Departamento de  
Engenharia Química, Instituto  
Superior Técnico, Universidade  
de Lisboa, 1049-001 Lisboa,  
Portugal

**Dr. Augusto C. Tomé**

LAQV-REQUIMTE, Department of  
Chemistry, University of Aveiro,  
3810-193 Aveiro, Portugal

Deadline for manuscript  
submissions:  
**closed (31 March 2022)**

### Message from the Guest Editors

Dear Colleagues,

Natural and synthetic porphyrin derivatives, phthalocyanines, and other porphyrin-type compounds (corroles, expanded porphyrins, pyrrole-modified porphyrins, calixpyrroles, etc.) are extremely interesting compounds, both in terms of their chemistry and applications. New methods for their synthesis or structural modification are continuously being discovered, and an increasing number of molecules of these types are finding application in medicine (e.g., PDT, theranostic, imaging), solar cells, sensors, molecular recognition, catalysis, etc. The aim of this Special Issue is to provide a broad survey of the most recent developments related with the chemistry, properties, and applications of these compounds. Articles reporting recent original discoveries or reviews are welcome.

Prof. Dr. João Paulo C. Tomé

Dr. Augusto C. Tomé

*Guest Editors*



[mdpi.com/si/65329](https://mdpi.com/si/65329)

# Special Issue



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, Grosspeteranlage 5  
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](#)