

Special Issue

Porphyrin-Based Compounds: Synthesis and Application, 2nd Edition

Message from the Guest Editors

Porphyrins, metalloporphyrins, and their analogs constitute a family of macrocycles that are abundant in the natural world. Naturally occurring porphyrins are often referred to as "the Pigments of Life" due to their critical biological functions. Recognizing the significance of these natural porphyrinoids has inspired organic chemists to synthesize analogous compounds in the laboratory. Effective synthetic methodologies have been developed to create porphyrinoids with various functionalities, electronic properties, and photophysical attributes. The versatile applications of porphyrins have shifted interest from purely academic interests to industrial applications, leading to an increasing demand for sustainable chemistry principles. Building on the success of the first edition of this topic, we are pleased to announce the launch of the current edition. This edition serves as a platform for the presentation of the latest and most exciting results and perspectives on the synthesis and functionalization of tetrapyrrolic macrocycles and their applications. We welcome original research papers and comprehensive reviews that cover any aspect related to the topic.

Guest Editors

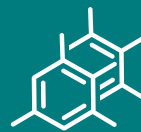
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Message from the Editor-in-Chief

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.

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