Special Issue

Porphyrinoid Derivatives: Synthesis and Biological Applications

Message from the Guest Editor

Porphyrinoid derivatives are being work-target macrocycles for many research groups; researchers from several areas (mainly from chemistry, physics, biology, pharmacy, and medicine) are looking for new derivatives with potentially significant applications.
The medicinal applications already demonstrated by some porphyrinic formulations in the detection and treatment of cancer (a procedure known as photodynamic therapy, PDT) point to the need of having better, more efficient compounds. Also, another significant application already under study is related to the photodynamic inactivation of microorganisms (PDI), mainly those that are antibiotic resistant.
The physical-chemistry properties of such macrocycles also explain the reason for their interaction with several chemical entities, mainly toxic species. Accordingly, such macrocycles can act as promising sensors (e.g., in water treatments, in food protection, etc).
Manuscripts describing studies pointing to such targets will be welcome in this Special Issue of *Molecules*.

Guest Editor

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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.

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