



Advances in the Chemistry of Porphyrins and Related Macrocycles 2.0

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Message from the Guest Editors

Porphyrins and related macrocycles possess widely tunable physico-chemical properties controlled by peripheral substitution or metal coordination in the inner core. Recent progress in their synthesis and the fundamental understanding of their properties has led to significant advances in nanomaterial-based porphyrins for manifold applications.

In this respect, nanostructured materials with peculiar optical properties are attracting increasing interest since their optical response, in terms of electronic absorption, emission fluorescence, optical activity, photocurrent generation and so on, can be largely influenced by slight changes in the micro-environments and in the presence of specific analytes.

This Special Issue welcomes the submission of original research papers or comprehensive reviews that demonstrate or summarize significant advances in the porphyrin chemistry in terms of synthesis and application of novel functional nanostructures with potential applications in sensors, optoelectronic devices, and/or nanomedicine.





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Message from the Editor-in-Chief

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