Special Issue

Dendrimers: From Synthesis to Applications

Message from the Guest Editor

The first dendrimers were synthesized in the late 1970s (Buhleier, Wehner and VÖGTLE, 1978). The aim of this work was to create molecules regularly branching from a single center with large internal cavities and capable of forming host–guest complexes with ions and other molecules. While many dendrimers with different chemical structures have since been synthesized, one of the main applications remains the use of dendrimers as host molecules for various small and large guest molecules. The purpose of this Special Issue is to present a collection of works devoted to the entire spectrum of issues related to dendrimers, ranging from the description of various methods for their synthesis, their characterization, and the study of various physicochemical properties of dendrimers (and their complexes and conjugates with various molecules) using various experimental and theoretical methods and methods of computer modeling to the presentation of the use of dendrimers in various fields of chemistry, biology, and technology.

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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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