Special Issue

Calixarene Complexes: Synthesis, Properties and Applications II

Message from the Guest Editor

Ion recognition continues to attract the interest of researchers all over the world, due to the important role that cations and anions play in biological and chemical systems, and in the environment. Calixarenes are one of the most widely studied supramolecular hosts. They possess a well-defined hydrophobic cavity available in different sizes and conformations, and an almost unlimited number of derivatives can be obtained by functionalization of their upper and lower rims. These macrocyclic compounds have been largely exploited as ionic and neutral molecule receptors, and present an increasing number of applications in different fields, such as organocatalysis, sensing, extraction and separation, and recently in biomedicine. Due to the high participation of the scientific community in the previous Special Issue, we decided to continue this topic. Thus, the second Issue of *Calixarene Complexes: Synthesis, Properties and Applications* aims to update the host–guest chemistry of calixarenes and related compounds, showing their most recent properties and applications, as well as progresses in their syntheses. Research and review articles related to this field are welcome.

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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