Special Issue

Cyclodextrins: Recent Advances in Chemistry and Applications

Message from the Guest Editors

Cyclodextrins (CDs) are a family of cyclic oligosaccharides composed of 6, 7 or 8 □-(1,4) linked glucopyranose subunits. They possess a trunk-conical supramolecular structure, which permits them to form inclusion complexes with many molecules. Because of their inclusion complex formation ability, the properties of the complexed molecules could be modified significantly. Because of molecular complexation phenomena, CDs are widely used in different industrial products, technologies, and analytical methods. Their negligible cytotoxic effects are an important attribute in applications such as drugs carrier, food and flavors, cosmetics, packing, textiles, separation processes or environment remediation. In addition, the possibility of using CD polymers to modify their chemical properties has resulted in an increase in the number of publications about the use of these compounds in different areas. This Special Issue on cyclodextrin chemistry and applications aims to provide a forum for the dissemination of the latest research and advances in the chemical modification, polymerization, and use of cyclodextrins in different areas.

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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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