



Cyclodextrins: Recent Advances in Chemistry and Applications

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Message from the Guest Editors

Dear Colleagues,

Cyclodextrins (CDs) are a family of cyclic oligosaccharides composed of 6, 7 or 8 α -(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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Message from the Editor-in-Chief

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