Special Issue

Nanoconstructs Based on Cyclodextrins, Volume II

Message from the Guest Editors

Cyclodextrin nanoconstructs (CDnc) have recently aroused the interest of the scientific community thanks to a plethora of potential applications. This issue will be focused on nanoconstructs based on native or modified CDs leading to novel polymeric, amphiphilic, metal, and hybrid backbones in material science. These nanoplatforms have the ability to covalently conjugate active moieties and complex guests through supramolecular interactions or physical entrapment. In this scenario, five research themes are here envisaged:

- CDnc for drug delivery and nanomedicine;
- CDnc in food manufacturing;
- CDnc in green chemistry and environmental sustainability;
- Toxicological studies and CDnc/cell interactions;
- CDnc in renewable energy processes.

Articles will include the synthesis of novel functionalized CDs and the formation of nanoassemblies with potential applications in i-v themes or novel and significant applications in i-v of known CDnc. Mini-reviews on the abovementioned research subjects and those not recently documented (at least in the last five years) are also welcome.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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