

Special Issue

Supramolecular Strategies in Medicine and Environmental Science: Biomedical and Remediation Potentials of Cyclodextrins and Hyaluronic Acid

Message from the Guest Editor

Cyclodextrins and hyaluronic acid have emerged as pivotal systems in both fundamental and applied research due to their broad spectrum of applications in pharmaceutical chemistry, as well as human and veterinary medicine. Hyaluronic acid (or hyaluronan) is a natural polysaccharide widely used in therapeutic formulations, particularly in dentistry, due to its excellent lubricating, anti-inflammatory, and antibacterial properties. Cyclodextrins, on the other hand, are among the most prominent carriers in drug delivery systems, particularly for local anesthetics and other poorly soluble pharmaceuticals. Their unique structure enables the solubilization and stabilization of hydrophobic drugs, leading to significant improvements in aqueous solubility, diffusion rates, and bioavailability.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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