Special Issue

Advanced Supramolecular Materials

Message from the Guest Editor

This Special Issue, “Advanced supramolecular materials”, covers many aspects of supramolecular materials (i.e., materials based on non-covalent supramolecular interactions or self-assembly). This Special Issue will publish research on supramolecular polymers, supramolecular hydrogels, supramolecular fluorescent materials, bioactive supramolecular systems, self-assembled layered structures, programmable assembled materials, macroscopic supramolecular assembly, stimulus-responsive systems for drug delivery, shape-memory materials, interfacial adhesion, self-healing materials, synthesis of supramolecular materials, characterization of supramolecular materials, modeling and simulation of supramolecular materials, and emerging properties of supramolecular materials.

- supramolecular polymers
- supramolecular hydrogels
- supramolecular fluorescent materials
- bioactive supramolecular systems
- self-assembly
- programmable assembled materials
- stimulus-responsive systems for drug delivery
- shape-memory molecules
- self-healing molecules
- synthesis of supramolecular molecules

Guest Editor

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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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