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Characterization Techniques in Supramolecular Chemistry

Guest Editor:

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Deadline for manuscript submissions:
closed (30 November 2019)

Message from the Guest Editor

Dear Colleagues,

From its infancy in the synthesis, design, and physicochemical investigation of host–guest complexes, supramolecular chemistry has evolved to become a highly interdisciplinary and largely diversified field. It naturally intersects with other scientific areas, because the weak, noncovalent forces that govern supramolecular host–guest complexes are also responsible for the selective association of other molecules.

At the same time, the supramolecular concepts to build up materials and systems with fascinating, emergent properties require a broad range of modern characterization methods and instrumental techniques to investigate supramolecular systems. This includes, for example, NMR spectroscopy, crystallography, isothermal titration calorimetry, mass spectrometry, single molecule spectroscopy, electrochemisty, various steady-state and time-resolved optical spectroscopic methods, as well as functional assays.

For this Special Issue, I would like to kindly invite you to submit review and original research articles on all aspects of characterizing supramolecular systems.

Prof. Dr. Andreas Hennig
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 30th 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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