

Special Issue

Structure, Interaction, Reaction, and Function of Biomolecules in Multimolecular Crowding Biosystems

Message from the Guest Editors

The inside of living cells are surprisingly enriched with a great variety of biomolecules, from small ions, metabolites, and osmolytes, to macromolecular proteins, nucleic acids, and polysaccharides. Therefore, it is obvious that multimolecular crowding is critical, not only in order to unveil the property of biomolecules inside cells, but also to develop a functional molecule that maintains activity, even inside of the cells.

The aim of this Special Issue is to collect research papers, reviews, and communications concerning the physical, chemical, biological, and computational characterization of biomolecules; the detection and imaging of a target molecule; the modification and regulation of biomolecules; and the development of a functional molecule and a device, under molecular crowding, multimolecular crowding, and cellular environments. Moreover, studies on biological roles of multimolecular crowding and on the utilization of multimolecular crowding for applications are invited.

Guest Editors

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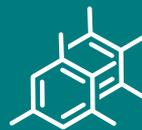
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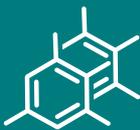


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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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