

Special Issue

Molecular Recognition in Biological and Bioengineered Systems

Message from the Guest Editors

Molecular recognition refers to the specific association of two or more molecules via noncovalent interactions. This phenomenon translates structural information into static and dynamic complexes and is central to many biological processes, including protein folding, self-assembly of macromolecular complexes, antibody-antigen binding, and nucleic acid-ligand association. This Special Issue aims to bring together studies that elucidate molecular recognition interactions and their role in biological systems. Towards this end, it welcomes studies from a range of fields, such as biochemistry, biophysics, structural biology, and molecular biology. Topics may focus on—but are not limited to—biomolecular complex formation, DNA-RNA structure design and application, novel therapeutic agents, and biosensing. Authors are invited to submit original research and review papers addressing topics related to the scope of this Special Issue.

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