

Special Issue

State-of-the-Art Molecular Structure and Dynamics and Biophysics in Asia

Message from the Guest Editors

Modern biophysics, biochemistry, and molecular biology emerged since the discovery of the double-helical structure model of DNA using X-ray crystallography in the 1950s. Decoding the mystery of life from a microscopic point of view used to be very challenging but has recently come of age. Over the decades, progress in technologies such as single-particle cryo-electron microscopy, single-molecule fluorescence experiments, and molecular modeling has enabled the studies of biomolecules covering small organic molecules/drugs to proteins, DNA, RNA, and cell membranes at biomolecular or even atomic levels. Particularly, the introduction of novel machine learning algorithms to the field of structural and computational biology helps scientists to better characterize the interactions between biomolecules while revealing the mechanisms behind dynamic biological processes.

In this Special Issue, we encourage scientists in Asia from diverse backgrounds to contribute original research or review articles, including but not limited to studies of protein/DNA/RNA/lipid interactions, bio-nano interfaces, functional biomolecule design, and molecular machines, etc.

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Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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