

Special Issue

Innovative Approaches and New Directions in Drug Design and Chemical Biology

Message from the Guest Editors

This special issue highlights the growing convergence by bringing together the fields of chemistry, biology, and technology in drug design and chemical biology, reflecting where the field is heading and what it is capable of achieving. This collection explores how chemical strategies and biological tools are being used in smarter, more creative ways to understand diseases and translate that understanding into real therapeutic advances. From the elegant logic of structure-based design to the bold promise of entirely new therapeutic modalities, the work featured here represents the cutting edge of modern drug discovery. Research areas in this special issue may include, but are not limited to, the following:

- a. Structure-based drug design targeting biomolecules;
- b. Medicinal chemistry and ligand optimization;
- c. Chemical biology tools for studying protein–ligand interactions;
- d. Chemical probes for biomolecular function and signaling pathways;
- e. Covalent inhibitors and targeted protein degradation;
- f. Computational and data-driven approaches to biomolecular drug discovery;
- g. Novel therapeutic strategies targeting biomolecular systems.

Guest Editors

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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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