

Special Issue

Glycosaminoglycans and Glycomimetics

Message from the Guest Editors

Glycosaminoglycans (GAGs) have been found to play numerous important roles in a broad range of physiological and pathological processes including blood coagulation, cell growth and differentiation, host defense, viral infection, lipid transport and metabolism, cell-to-cell and cell-to-matrix signaling, inflammation, cancer and Alzheimer's disease. In recent years, the research in GAGs and glycomimetics has been undergoing rapid progress because of the advances in glycan structural analysis, synthesis and genetic manipulation. More and more potential clinical applications of GAGs and glycomimetics have been discovered for the treatment of a wide range of diseases. In this Special Issue on "Glycosaminoglycans and Glycomimetics", we present the latest research and updated reviews related to these ubiquitous biomolecules of fundamental importance.

Guest Editors

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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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