

Special Issue

G-quadruplexes in Chemical Biology and Drug Discovery

Message from the Guest Editors

G-quadruplexes are non-canonical four-stranded DNA superstructures formed by guanine-rich sequences. These structures have garnered significant attention in recent years due to their involvement in various biological processes, such as genomic regulation and stability, cancer progression, and neurodegenerative diseases. In addition to being powerful biological tools, G-quadruplexes have also been proven to be valuable building blocks for the construction of new probes and biomaterials. Accordingly, understanding and controlling the G-quadruplex structuration process offers a significant contribution to the advancement of biomedical research and the development of innovative therapeutic strategies. The aim of this Special Issue is to collect articles and reviews focused on the most recent findings in the G-quadruplex field and the potential applications of G-quadruplexes in chemical biology and drug discovery.

Assistant

Guest Editors

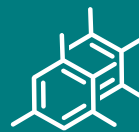
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Message from the Editor-in-Chief

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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