

Special Issue

Chemical Bond and Intermolecular Interactions

Message from the Guest Editors

This Special Issue focuses on the geometrical and spectroscopic features as well as potential applications of halogen, chalcogen, pnictogen, tetrel, and triel bonds in chemical reactions, crystal engineering, molecular recognition, and biological systems. We aim to especially publish studies concerning the bonds formed between some novel important electron donors and acceptors, similarities and differences between these bonds, structures of the complexes composed of these bonds in solution and gas phases, spectroscopic methods for measuring these bonds in solution and gas phases, and applications of these bonds in chemical reactions, crystal engineering, molecular recognition, and biological systems.

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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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