



Intermolecular Forces: From Atoms and Molecules to Nanostructures

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Message from the Guest Editors

Dear Colleagues,

Intermolecular forces are at the core of the building up process of the formation of complex chemical structures. The characterization of the different types of intermolecular forces is important in order to assess their role in the formation of simple gaseous adducts, clusters, and nanostructures.

This Special Issue aims to contribute to the awareness of the state-of-the-art research on intermolecular forces. Accordingly, it is expected to publish work that falls within the following lines of research and related topics

- Theoretical methods and experimental techniques to evaluate molecular interactions;
- Potential models for describing intermolecular interactions;
- Fingerprints of hydrogen bonding and van der Waals interactions;
- Cooperative and selective processes involving inter- and intramolecular interactions;
- Intermolecular forces, microscopic and macroscopic properties;
- Microsolvation and the formation of clusters;
- Highlighting the role of intermolecular forces in molecular self-assembly to build nanostructures.

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Special Issue



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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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