

Special Issue

Molecular Spectroscopy and Molecular Structure

Message from the Guest Editors

Molecular spectroscopy plays a fundamental role in deciphering molecular structures, interactions, and dynamics, with applications spanning chemistry, physics, material sciences, and life sciences. This Special Issue seeks to showcase innovative developments in the methods/techniques of all areas of molecular spectroscopy such as IR, Raman, UV-vis, and NMR, as well as their integration with computational methods to unravel complex molecular structures. Topics of interest include, but are not limited to, the following:

- Advanced spectroscopic methods (ultrafast, terahertz, nonlinear, and single-molecule spectroscopy);
- Quantum chemical calculations for spectral interpretation and hydrogen bonding;
- Molecular structure determination and dynamics;
- Spectral applications in catalysis, materials, biomolecules, and environmental sciences.

Guest Editors

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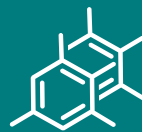
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About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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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