

Special Issue

Ionic Liquid Structures through Molecular Spectroscopic Methods

Message from the Guest Editor

Ionic liquids (ILs) are a class of organic salts in liquid state below 100 °C. They have been demonstrated to act as “green” reaction media for various chemical reactions and usually serve as environmentally friendly solvents, electrolytes, and lubricants, amongst others.

Because of this property, ILs have become of significant relevance in chemistry. In order to understand the physicochemical properties of ILs, it is necessary to monitor the structures of ionic liquids and to examine the existing interactions among anions and cations. Spectroscopy techniques, including FTIR and Raman spectroscopies as well as UV-Vis and fluorescence spectroscopy, are powerful tools to characterize ILs. In this Special Issue, we solicit review articles, original research papers, and short communications covering all aspects of the use of molecular spectroscopic methods in studies of ILs and their mixtures with molecular solvents or other important chemicals.

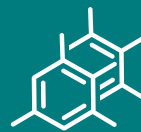
Guest Editor

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Deadline for manuscript submissions

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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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