

Special Issue

Ionic Liquids in Organic Synthesis (Organic Chemistry)

Message from the Guest Editor

Ionic liquids have been applied in different research areas. However, their use as reaction media and, in particular, as solvents to perform organic reactions, is one of the most addressed topics. The interest in this field is mostly due to the so-called “ionic liquid effect”, i.e., their ability to positively act on the outcome of a given reaction, frequently improving yield and selectivity and decreasing reaction time and temperature. Together with the above effects, also the possibility of their reusing as well as the synergetic action, if used in combination with nonconventional methodologies, like ultrasounds and microwave irradiation, has played a pivotal role. This issue is aimed at collecting contributions showing the ionic liquids' effect in organic synthesis. Reviews articles by experts in the field are particularly welcomed.

Guest Editor

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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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