

Special Issue

Ionic Liquids Toxicity: Past, Present and Future

Message from the Guest Editors

Ionic liquids (ILs) are an example of a continuously growing field due to their variety and consequently their numerous applications. For this reason, the number of publications concerning this type of chemicals has grown exponentially. In the past five years more than 36000 publications referring to ILs covering different areas have been published. Initially hailed as a green alternative to traditional solvents, it is now common knowledge that they are not as green as desired, and more thought has to be put into the biological consequences of their industrial use. Still, compared to the amount of research studying their physicochemical properties and potential applications in different commercial areas, there is a distinct scarcity of scientific papers investigating how these substances interact with the different organisms that are part of an ecosystem. The purpose of this special issue is to look into the most emergent studies on their toxicity, as well as gather and unify all the existing knowledge on this hot topic. This special issue will change the insight about how ILs can help shape a more sustainable future.

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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