

Special Issue

Ionic Liquids in Chemistry: Latest Advances and Prospects

Message from the Guest Editor

Over the past two decades, ionic liquids (ILs) have received great attention due to their unique characteristics, such as negligible vapor pressure, high thermal stability, and low flammability. The most attractive feature of ILs is that the properties of ILs can be easily tuned by proper pairing cations and anions. To date, ILs have been widely used in various fields of chemistry, such as organic reaction, electrochemistry, extraction, materials synthesis, lithium-ion batteries, gas separation, and so on. Therefore, this Special Issue, titled “Ionic Liquids in Chemistry: Latest Advances and Prospects”, is devoted to providing a view of the latest advances in the development and applications of ILs. Suggested topics related to this Special Issue include, but are not limited to:

- Synthesis of ILs;
- Chemical and physical properties of ILs;
- Gas absorption and separation using ILs;
- Novel materials synthesis using DESs;
- Energy storage using ILs.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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