Special Issue

Ionic Liquids and Deep Eutectic Solvents: Sustainable Green Chemistry

Message from the Guest Editor

Over the past two decades, ionic liquids (ILs) and deep eutectic solvents (DESs) have received great attention due to their unique characteristics, such as low vapor pressure, good thermal stability, and low flammability. Both ILs and DESs are tunable, and their properties can easily be changed by tailoring the structures of components. To date, ILs and DESs have been widely used in various fields of chemistry, such as organic reaction, electrochemistry, extraction, materials synthesis, lithium-ion batteries, and gas separation. Therefore, this Special Issue, titled "Ionic Liquids and Deep Eutectic Solvents: Sustainable Green Chemistry", is devoted to providing a view of the latest advances in the development and applications of ILs and DESs. Suggested topics related to this Special Issue include, but are not limited to, the following:

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

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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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