



Ionic Liquid for Separations

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Message from the Guest Editor

The application of ionic liquids (ILs) has blossomed in the last few decades due to their unique properties, including immeasurably low vapor pressure, high thermal stability and excellent solvation ability for a wide range of compounds. Consequently, ILs are considered attractive replacements for volatile organic solvents in multiple applications, including separation and purification, catalysis or extraction processes, among others. In addition, their physical and chemical properties can be fine-tuned by an adequate selection of the cation and anion constituents, for that reason ILs has been described as design solvents (i.e., “task-specific” ILs).

In line with the increasing attention that this family of compounds has attracted recently, the present Special Issue reports on the most important and latest fundamental and technological advances in separation processes using ILs.





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Message from the Editor-in-Chief

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