Special Issue

Recent Advances on Ionic Liquid Uses in Separation Techniques

Message from the Guest Editors

Interest concerning ionic liquids in chemical analysis has grown considerably in the last decade, as evidenced by the large number of publications released every year. Their favourable properties, such as negligible vapour pressure, high thermal stability or unique solvating capability make ionic liquids suitable candidates to be used in numerous applications, especially in the fields of separation techniques. In addition, properties, such as viscosity or water solubility, can be tuned combining the associated anion and cation to modulate their utility. Further, the quest for new ionic liquids has led to the introduction of deep eutectic solvents, which are not exactly ionic liquids but a promising new class of solvents with similar properties. Deep eutectic solvents enable work with non-aqueous biphasic systems and show great promise in the separation of hydrophobic compounds. This Special Issue invites contributions on the current advances in and application of ionic liquids in separation techniques, especially focused on chromatography, extraction for sample preparation, or other related techniques.

Guest Editors

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Message from the Editor-in-Chief

Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

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