

## Special Issue

# Ionic Liquids as Task-Specific Materials

### Message from the Guest Editors

Ionic liquids (ILs) have been classified as excellent supported materials, solvents and co-solvents for their capacity to dissolve, extract, and purify different compounds in a wide range of applications. These compounds are considered tuneable materials due to their capacity to form different nanosegregated domains (polar, hydrogenated apolar and fluorinated apolar) which enhances their tuneability capacities and solvent quality. Then, the ideal material can be fine-tuned through the selection of each of the nanosegregated domains, and the contribution of each type of interaction (Coulombic, van der Waals and hydrogen bonding). Prof. Ana Belén Pereiro  
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### Deadline for manuscript submissions

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Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano–alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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