



Ionic-Liquid-Based Materials and Solutions for Energy Applications

Guest Editors:

Dr. Daniela M. Correia

Dr. Carlos Miguel Costa

**Dr. Senentxu Lanceros-
Mendez**

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Message from the Guest Editors

Ionic liquids (ILs) are being increasingly investigated for energy applications due of their physicochemical properties that include suitable chemical and electrochemical stability, non-flammability, negligible vapor pressure, and high ionic conductivity. There is a large variety of possible ILs available, their properties depending on the choice of the cation and anion, with relevant properties for energy applications being density, vapor pressures, viscosity, conductivity, diffusion, and thermal stability, among others.

In this context, this Special Issue aims to contribute to the recent scientific and engineering studies focusing on the improvement of ionic-liquid-based materials and solutions for energy applications with special focus on the characteristics of materials and devices at a molecular level, which determine the final properties and functionality.





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Prof. Dr. José L. Quiles

Department of Physiology,
Institute of Nutrition and Food
Technology “Jose Mataix”,
Biomedical Research Center,
University of Granada, Avda.
Conocimiento s/n, 18100 Armilla,
Granada, Spain

Message from the Editor-in-Chief

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*International Journal of Molecular
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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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