

## Special Issue

# Ionic-Liquid-Based Materials and Solutions for Energy Applications

### 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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### Guest Editors

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Dr. Carlos Miguel Costa

Dr. Senentxu Lanceros-Mendez

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### Deadline for manuscript submissions

closed (31 July 2023)



## International Journal of Molecular Sciences

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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