



## Organometallic Ionic Liquid

Guest Editor:

**Prof. Dr. Mihkel Koel**

Department of Chemistry and  
Biotechnology, School of  
Science, Tallinn University of  
Technology, Ehitajate 5, 19086  
Tallinn, Estonia

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### Message from the Guest Editor

Dear Colleagues,

Ionic liquids (IL) are one of the most variable classes of compounds with very different physical and chemical properties. Metal-containing ionic liquids are regarded as materials that combine the properties of ionic liquids with additional intrinsic magnetic, spectroscopic, or catalytic properties, depending on the enclosed metal ion used. Use of ILs spans over wide fields, from immobilizing solvent for metal catalysts and reaction media to catalysts, where ILs with metal-containing anions are active in diverse reactions.

Metal-containing ILs, based on unique magnetic or spectroscopic properties, are gaining attention in the preparation of new sensors and analytical applications. However, more information is needed on the safety and environmental impacts relating to metal-containing ionic liquids in order to lower the barrier for their widespread industrial application. This Special Issue aims to highlight the structural and chemical diversity of organometallic ionic liquids in order to assist this promising area to have a broader field of application.

Prof. Dr. Mihkel Koel

*Guest Editor*





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School of Chemistry, University of  
Glasgow, University Avenue,  
Glasgow G12 8QQ, UK

## Message from the Editor-in-Chief

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*Inorganics* Editorial Office  
MDPI, St. Alban-Anlage 66  
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