Special Issue

Electrosynthesis and Electrochemical Detection of Inorganic Compounds

Message from the Guest Editors

Electrosynthesis represents a highly active area of research, with many new emerging technologies promising green, cost-effective, and energy-efficient alternatives for producing many inorganic compounds. Recent advances in electrochemical reactor designs, membrane technologies, and the electrocatalytical properties of electrodes have sparked innovative research in the field. Additionally, the electrochemical detection of compounds allows for rapid, accurate, and inexpensive in situ, on-site, and online monitoring of produced species, and the detection and quantification of dangerous compounds, offering efficient solutions from kg/L up to ppb levels. This Special Issue aims to compile the most recent findings in these domains, focusing on more efficient green technologies and detection methods, respectively.

Prof. Dr. Danut-Ionel Vaireanu

Guest Editors

Dr. Sorin Aurel Dorneanu

Prof. Dr. Graziella Liana Turdean

Prof. Dr. Liana-Maria Muresan

Prof. Dr. Petru Ilea

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Inorganics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
inorganics@mdpi.com

mdpi.com/journal/inorganics

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Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

Editor-in-Chief

Prof. Dr. Duncan H. Gregory
School of Chemistry, University of Glasgow, University Avenue, Glasgow G12 8QQ, UK

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