

Special Issue

Research and Development of High-Performance Aqueous Battery Materials and Systems

Message from the Guest Editor

The Special Issue on the "**Research and Development of High-Performance Aqueous Battery Materials and Systems**" concentrates on the latest

advancements in materials and systems for various types of aqueous batteries, including lithium, sodium, potassium, zinc, magnesium, aluminum, ammonium ion batteries, and aqueous flow batteries. This Special Issue welcomes contributions that explore innovations in electrode and electrolyte materials, cell design, system integration, and the electrochemical performance enhancements necessary for developing the next generation of energy storage systems. Key topics include breakthroughs in the synthesis and application of novel materials, safety improvements, and the challenges associated with scaling technologies from the laboratory to industrial applications. Through peer-reviewed research articles, this Special Issue will provide a comprehensive resource for scientists, engineers, and industry professionals involved in the development and deployment of advanced aqueous battery technologies.

Guest Editor

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Message from the Editor-in-Chief

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

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