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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Editor-in-Chief

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