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# **Advanced Electrolytes for Metal Ion Batteries**

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Deadline for manuscript submissions:

closed (16 May 2023)

## **Message from the Guest Editors**

Dear Colleagues,

This Special Issue "Advanced Electrolytes for Metal Ion Batteries" is focused on advanced electrolytes for batteries that employ a variety of metal-Ion charge carriers, e.g., Li+, Na+, K+, Zn+, Mg2+, Ca2+, Al3+. As a critical component of batteries, electrolytes play a significant role in the performance of batteries. Under tremendous efforts of researchers, electrolytes have achieved great development. Nevertheless, electrolytes have a lot of room for improvement to further release the performance of batteries.

We are therefore organizing this Special Issue in Batteries. In this Special Issue, we are looking for original and innovative papers as well as reviews relevant to electrolytes for all kinds of metal Ion Batteries.

Potential topics include but are not limited to:

- Liquid, quasi-solid and all-solid-state electrolytes;
- Solid electrolytes interface;
- Interfacial design and evolution;
- Ion-conductive mechanisms;
- Safety evaluation for electrolytes;
- Characterization techniques and theoretical computations/simulations of electrolytes;
- Materials Genome Initiative, artificial intelligence (AI) and machine learning (ML) of electrolytes.



**Special**sue







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## **Editor-in-Chief**

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## **Message from the Editor-in-Chief**

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