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# New insights into Energy Storage Materials

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### Message from the Guest Editors

Bismuth-based nanomaterials are eco-friendly and of high biocompatibility, and they are easy to process in terms of both composition and structural regulations, including morphology structure and crystal structure. These aspects could significantly affect the performances of bismuthbased materials, endowing them with strong potential for application in numerous fields, especially energy storage and energy conversion, e.g., as electrode materials, modifiers, or additives in energy storage devices.

This Special Issue will cover promising and novel research trends in the synthesis of bismuth-based materials, characterization via advanced technologies, and the exploration of their applications in energy storage and conversion. The topics of interest include but are not limited to the following:

- Synthesis and characterization of bismuth-based materials via novel and advanced techniques and methodologies;
- Exploration of bismuth-based materials as electrode materials for rechargeable aqueous and non-aqueous batteries;
- Exploration of bismuth-based materials as additives or modifiers for metal anodes (Li, Na, K and Zn metal anode);





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# **Editor-in-Chief**

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### Message from the Editor-in-Chief

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