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Development of Sustainable Battery Materials

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Deadline for manuscript submissions:

closed (30 September 2023)

Message from the Guest Editors

Dear Colleagues,

With the development of electric mobility and the huge increase in battery production volumes, there is a challenge relative to the introduction of sustainable batteries. In that scope, key issues are concerning lowering the impact of the metals of the LiB positive electrode, innovating with eco-design of the battery cells and ensuring an efficient recycling of the technologies but also introducing new battery chemistries non relying on lithium like Na-Ion or K-Ion.

To go more in details, this Special Issue will focus on the specific points listed below:

- Reducing the cobalt content of the current major cathode material of LiB (NMC),
- Proposing competing low cost alternative cathode materials to the conventional lamellar oxides.
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This Special Issue will cover all the battery value chain from the raw materials, active materials, cells and battery packs. It is my pleasure to invite you to submit a manuscript for this Special Issue.

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Dr. Sebastien Patoux

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Guest Editors













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Editor-in-Chief

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Message from the Editor-in-Chief

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