



batteries

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Carbon-Free Support Materials for Energy Storage and Conversion

Guest Editor:

Dr. Jahangir Masud

Electrochemical Process
Development, Energy and
Environmental Research Center,
University of North Dakota,
Grand Forks, ND 58202, USA

Deadline for manuscript
submissions:

closed (26 August 2021)

Message from the Guest Editor

Dear Colleagues,

Carbon black is the most commonly used catalyst support for electrocatalysts (mainly PEM based fuel cells) due to its high surface area and high conductivity. However, under certain automotive fuel cell operation conditions (start-stop), carbon can corrode rapidly, resulting in significant and irrecoverable loss in performance. To address this issue, it is desirable to explore non-carbon supports with high conductivity, high surface area, and high corrosion resistance under fuel cell operating conditions.

In this Special Issue of *Batteries*, we invite both fundamental and applied research original articles, letters, as well as review and feature articles and perspective views on the technological developments and realization of various supports materials of electrocatalysts for energy storage and conversion devices. Gathering cutting-edge knowledge and the latest experience will contribute to the advancement of energy conversion and storage technology...



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Special Issue



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Editor-in-Chief

Prof. Dr. Andreas Jossen

Institute for Electrical Energy
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Message from the Editor-in-Chief

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Batteries Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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