

Special Issue

Lithium-Ion Batteries for Electric Vehicles and Power Applications

Message from the Guest Editors

Batteries currently play a key role in advancing electromobility, and lithium-ion batteries are today the standard choice for electric vehicles (EVs) and for power tools and consumer electronics. Successful transformation toward electrified transportation and cordless devices depends on the battery technology as well as the power electronics converter used to manage the batteries' energy flow while taking into consideration the increasingly important diagnostic and safety aspects. This Special Issue brings together researchers and practitioners to present and discuss state-of-the-art solutions for lithium-ion batteries focusing on various aspects covering design, modeling, analysis, testing of batteries, power electronics converters and battery management system (BMS) issues.

Guest Editors

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Deadline for manuscript submissions

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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