



Production Technologies for Lithium-Ion Battery Electrodes, Cells and Systems

Guest Editors:

Prof. Dr. Arno Kwade

Institute for Particle Technology
and Battery LabFactory
Braunschweig, Technische
Universität Braunschweig,
Volkmaroder Str. 5, D-38104
Braunschweig, Germany

Prof. Dr. Klaus Droeder

Institute of Machine Tools and
Production Technology & Battery
LabFactory Braunschweig,
Technische Universität
Braunschweig, 38106
Braunschweig, Germany

Dr. Peter Michalowski

Institute for Particle Technology
& Battery LabFactory
Braunschweig, Technische
Universität Braunschweig,
Volkmaroder Str. 5, 38104
Braunschweig, Germany

Message from the Guest Editors

Due to the high number of consecutive process steps and the significant impact of material properties, electrode compositions, as well as battery cell and systems designs on the production processes, lithium-ion battery (LIB) production represents a fruitful and dynamically growing area of research. With ever-growing demand, knowledge of production technologies for automotive LIBs have improved considerably over the last few years. Nevertheless, the transfer from lab scale to production scale remains a challenge. To further improve battery performance and reduce production costs, emerging process concepts have to be developed at both scales.

For this Special Issue, we invite submissions exploring the relationships between process parameters and structure, quality as well as performance of intermediate products, electrodes, cells and full battery systems, as well as the impact of materials and processes on the scale and cost of LIBs for automotive application. Review papers and perspectives are also welcome.

Deadline for manuscript
submissions:

closed (15 November 2022)



mdpi.com/si/72445



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

Processes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/processes
processes@mdpi.com
[X@Processes_MDPI](https://twitter.com/Processes_MDPI)