



## Advanced Lithium Battery Electrode Materials

Guest Editors:

**Dr. Mariya Aleksandrovna  
Vikulova**

Department of Chemistry and  
Technology of Materials, Yuri  
Gagarin State Technical  
University of Saratov, 77  
Polytechnicheskaya Street, 410054  
Saratov, Russia

**Dr. Nikolay Gorshkov**

Department of Chemistry and  
Technology of Materials, Yuri  
Gagarin State Technical  
University of Saratov, 77  
Polytechnicheskaya Street, 410054  
Saratov, Russia

**Dr. Igor Burmistrov**

Engineering Centre, Plekhanov  
Russian University of Economics,  
117997 Moscow, Russia

Deadline for manuscript  
submissions:

**closed (20 February 2024)**

### Message from the Guest Editors

The synthesis of new materials and the modification of well-known electrode materials, as well as the use of composite electrode materials of various compositions in lithium batteries, are of particular interest. Additionally, batteries with polymers or composite electrolytes are more promising; thus, research on the development of electrolytes is also of interest. Important components of research include both the characterization of electrode materials in terms of composition and structure, as well as electrochemical properties, and the study of electrolytes and processes occurring with their participation.

This Special Issue on “Advanced Lithium Battery Electrode Materials” intends to present novel and modified examples of lithium battery electrode materials. Topics include but are not limited to the following:

- The synthesis of new electrode materials;
- The modification of electrode materials;
- Composite electrode materials;
- Cathode materials;
- Anode materials;
- Polymer/composite electrolytes.





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

*Processes* (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

## 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, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/processes](http://mdpi.com/journal/processes)  
[processes@mdpi.com](mailto:processes@mdpi.com)  
[X@Processes\\_MDPI](https://twitter.com/Processes_MDPI)