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## Recent Progress in Electrode Materials and Electrolytes for Li-Based Battery Devices

Guest Editors:

**Dr. Alberto Vertova**

Department of Chemistry,  
University of Milan, Milan 20133,  
Italy

**Dr. Eleonora Pargoletti**

Department of Chemistry,  
University of Milan, Milan 20133,  
Italy

Deadline for manuscript  
submissions:

**closed (10 October 2022)**

### Message from the Guest Editors

Lithium-ion batteries market is evolving constantly. Electric vehicles (EVs) manufacturers are continuously changing their preferences depending on cathodes/anodes features in terms of energy density, safety, cost, life and stability. For instance, the biggest and main shortcomings of current Electric Vehicles (EVs) running with Lithium-Ion Batteries (LIBs) are still the fairly limited range between recharges and the limited specific capacity of the cathode materials. In this context, rechargeable non-aqueous Li-Air Batteries (LABs) are believed to be a promising alternative for both electric vehicles and large-scale energy storage thanks to its high theoretical energy density. Fundamentally, Li-air devices need a bifunctional electrocatalyst to enhance the ORR/OER kinetics together with suitable electrolytes/solvents that do not degrade during battery cycling. This Special Issue will critically focus on the design of novel electrocatalysts together with recently adopted electrolytes/solvents showing boosted features for lithium-based devices.

We kindly invite you to submit manuscript(s) for this Special Issue.



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### Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

## Message from the Editor-in-Chief

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Materials Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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