

# Special Issue

## Lead Acid Batteries

### Message from the Guest Editors

Lead-acid batteries (LAB) are one of the oldest and are still widely used as power sources for energy storage nowadays. They are commonly used in various transportation means (until recently, mainly with petroleum/diesel-powered engines) and small and large, grid-scale power storage applications. The LAB technology is inexpensive but has shortcomings - low energy density and heavy weight. Recent technological innovations have increased battery life and broader applications, including hybrid electric vehicles. We invite you to contribute an original research paper or a review to the Special Issue of batteries, "*Lead Acid Batteries*". This Special Issue focuses on LAB technology advancements and innovative solutions. We encourage you to submit your papers concerning, but not limited to, these topics of interest:

- Innovation in LAB technology
- Carbon and other additives for LAB electrode materials
- The design of LAB electrodes/cells/batteries
- Sulfation, corrosion, and other aging issues of LAB electrode materials
- Acceptance/return of charge in LAB
- Modeling and simulation of processes in LAB
- Recycling technologies of LAB

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### Guest Editors

Dr. Egidijus Griškonis  
Prof. Dr. Eugenijus Valatka  
Dr. Ieva Barauskienė

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### Deadline for manuscript submissions

closed (20 August 2024)



## Batteries

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## About the Journal

### Message from the Editor-in-Chief

Take the opportunity to publish your original scientific work or a review paper concerning battery materials, battery technology or battery application within this new open access journal. Along with material science, the journal also addresses engineering and multidisciplinary research topics, such as cell and system design or storage system integration. Publishing proffers visibility for the benefit of other experts and facilitates discussion of the research results within the field. You are invited to publish your work, read published papers and to participate in topical discussions.

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### Editor-in-Chief

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