

## Special Issue

# Advances in Energy Conversion System

### Message from the Guest Editors

This Special Issue aims at attracting original high-quality papers and review articles focused on alkaline and PEM electrolyzer technologies and their power electronics related to their aging, control, diagnosis, modeling, and reliability.

Prospective authors may submit contributions dealing with (but not limited to) the following:

- Modeling of alkaline and PEM electrolyzers;
- Fault diagnosis in alkaline and PEM electrolyzers;
- Development of mitigation strategies to optimize the operation of alkaline and PEM electrolyzers;
- Investigation of the degradation of alkaline and PEM electrolyzers under dynamic and start/stop operations;
- Impact of power electronics on the operation of alkaline and PEM electrolyzers;
- Aging study on alkaline and PEM electrolyzers;
- Control of power electronics to supply alkaline and PEM electrolyzers;
- Fault diagnosis and fault-tolerant control of power electronics;
- Reliability of electrolyzers and power electronics.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 March 2023)



## Electronics

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## About the Journal

### Message from the Editor-in-Chief

*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 guestedited by leading experts in selected topics of interest.

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### Editor-in-Chief

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).