

## Special Issue

# Cutting-Edge Insights into Electrical Equipment Lifespan Assessment

### Message from the Guest Editor

To achieve precise lifespan prediction and evaluation, numerous scholars have conducted extensive research from diverse perspectives, including mechanistic modeling, detection methods, and data processing techniques. Accordingly, this Special Issue aims to showcase recent advancements in the field of assessing the lifespan of electrical equipment. Topics of interest include, but are not limited to, the following:

- Research on the failure mechanisms of electrical equipment;
- Novel sensing methodologies for online monitoring of electrical equipment;
- Data processing techniques for lifespan prediction and condition assessment, particularly AI-integrated algorithms;
- Other technological approaches contributing to accurate lifespan evaluation and prediction.

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### Guest Editor

Prof. Dr. Li Cheng

School of Electrical Engineering, Chongqing University, Chongqing, China

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### Deadline for manuscript submissions

closed (15 January 2026)



## Energies

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## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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### Editor-in-Chief

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