

## Special Issue

# Artificial Intelligence for Renewable Energy: Applications in Prediction, Optimization, and Management

### Message from the Guest Editor

This Special Issue aims to archive the latest developments in AI methods specifically tailored to the unique characteristics of renewable energy problems. Topics of interest for publication include the following:

- AI-driven forecasting models for renewable energy generation;
- Multi-modal fault diagnosis methods for renewable energy-related equipment;
- Intelligent optimization methods for renewable energy system operation and management;
- Advanced condition monitoring and remaining useful lifetime prediction methods;
- Multi-modal large language model-empowered renewable energy engineering applications;
- Other relevant topics are also highly welcome.

### Guest Editor

Dr. Xin Liu

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### Deadline for manuscript submissions

25 February 2026



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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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