

## Special Issue

# Sustainable Future of Power System: Estimation and Optimization

### Message from the Guest Editors

During the last two decades, the total capacity of generated energy in power networks has quickly grown and become increasingly diverse. This supports increasing sustainable development in renewable power sources such as solar PVs, wind turbines, battery storage, and electric vehicles. Additionally, significant challenges are concerned with improving electricity quality in power networks to promote their optimal planning, operation, and control. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Enhancing the performance of traditional and modern power networks.
- Integration of renewable energy sources in power systems.
- Optimization techniques for sustainable power system planning, operation, and control.
- Optimal control of sustainable power systems with merged new technologies such as FACTS, HVDC, voltage source stations, onshore and offshore wind turbines, storage units, etc.
- Mathematical, heuristic, and meta-heuristic methods for dealing with nonlinearities and nonconvexities in sustainable power system issues.

### Guest Editors

Dr. Abdullah Shaheen

Department of Electrical Power Engineering, Faculty of Engineering,  
Suez University, Suez 43533, Egypt

Prof. Dr. Ragab A. El-Sehiemy

Electrical Engineering Department, Faculty of Engineering, Kafrelsheikh  
University, Kafrelsheikh 33516, Egypt

### Deadline for manuscript submissions

closed (23 October 2023)



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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

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### Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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### Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario  
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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