

## Special Issue

# Reliability Performance of Renewable Energy Technology under Uncertainty from Power Network Hosting Capacity

### Message from the Guest Editor

This Special Issue aims to publish high-quality research papers on the interdisciplinary field of optimisation under uncertainty and targets new probabilistic methods (i.e., scalable computational solutions) for managing large-scale power system reliability, from long-term planning to real-time operation, with the introduction of a wide range of renewable energy technologies. Research sought includes innovative approaches to the analytical and simulation techniques (e.g., Monte Carlo, Markov, life-cycle, and risk modelling) for assessing frequency and duration of outages due to the penetration of low-carbon technologies and the lack of energy/power supply that also consider system reliability metrics expressed as accurate probability distributions.

### Guest Editor

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### Deadline for manuscript submissions

closed (15 October 2022)



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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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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

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