

## Special Issue

# Renewable and Sustainable Energy Technologies, Opportunities, Challenges, and Promising Solutions

### Message from the Guest Editors

Today, renewable energy resources (RESs) have found applications in many fields due to their effectiveness in reducing the harmful effects of fossil fuel sources. Renewable energy technologies are considered clean energy resources, and the optimal use of these resources mitigates the environmental impacts, and produces minimum secondary wastes; in addition, these are sustainable resources based on current and future economic and social societal needs. Moreover, RESs improve the power quality, achieve less power losses, and provide environmental benefits. Renewable technologies have an important role in confirming the sustainability of renewable energy. However, the operation of RESs still encounters many challenges related to climate changes and operation in abnormal conditions. Authors are encouraged to submit their research investigating theoretical or simulation models, practical and experimental studies, optimization algorithms, and applications concerning microgrid technologies and renewable energy applications.

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### Deadline for manuscript submissions

closed (31 May 2024)



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