

## Special Issue

# Challenges and Research Trends of Renewable Energy Power System

### Message from the Guest Editor

Through the last decade, the power sector has experienced significant changes due to the incessantly swelling load demand, rapid reduction in fossil fuels, and electricity deregulation policies. Furthermore, because of the modern lifestyle, a growing power demand, growth in industrialization, environmental concerns, and the integration of renewable energy sources (RESs), wind and solar energy in power systems has become the expected choice, with fossil fuel reserves anticipated to naturally come to an end in the future. Consequently, alternatives and RESs will have a noteworthy role in the near-future global energy portfolio. We invite papers related to challenges and new research trends in RES-integrated power systems, topics of interest comprising of automatic generation control (AGC), load frequency control, automatic voltage control (AVR), optimal energy storage devices, hydro power plants, distributed generations, smart grids, power quality, energy harvesting, RES integration into the power system, the flexible AC transmission system (FACTS), etc.

### Guest Editor

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### Deadline for manuscript submissions

closed (24 October 2022)



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### 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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