Special Issue

Advanced Energy Generation Systems for Sustainable Development

Message from the Guest Editors

In the past several decades, many global initiatives have been proposed for mitigating climate change. Implementing energy transition towards sustainable systems plays an essential role in achieving such goals. This process will require a shift from conventional energy generation to advanced systems. The potentiality of such systems is not only related to their technical efficiency, but also to the flexibility and optimization of their operation, their sustainability and how they could be integrated in a territory. For this reason, this Special Issue will focus on novel optimization and emerging technologies, and on the assessment of their environmental, economic and social characteristics, for integrated and advanced energy generation systems. Topics of interest for publication include, but are not limited to:

- Techno/economic/social analyses of advanced energy generation systems;
- Tools for design and/or operation optimization of energy generation systems;
- Distributed generation systems: planning and implementation;
- Energy management;
- Advanced solutions for renewable energy systems integration;
- Energy efficiency solutions and demand-side management.

Guest Editors

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Deadline for manuscript submissions

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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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