

Special Issue

Numerical Simulations and Optimization of Renewable Energy Systems

Message from the Guest Editor

The global goal is to bring greenhouse gas emissions to zero within the second half of the 21st century. Such a challenging target implies developing novel methods and devices, or improving existing ones, to extract more energy from renewable resources, at low cost. The significant increase in computing power over the past decades has motivated the development of numerical tools, which can be efficiently used for the design and control of renewable energy systems. Authors are invited to submit research and progress related to the development and use of numerical methods for renewable energy applications. This Special Issue will feature original research in these areas, including but not limited to: offshore/onshore wind energy, tidal/wave renewable energy and geothermal energy. Papers submitted to this special issue should ideally include a clear numerical component, for instance Computational Fluid Dynamics (CFD), numerical optimization, deep learning, etc., demonstrating how numerical methods, models, and codes can be applied for the design, study and/or optimization of existing and/or novel renewable energy systems.

Guest Editor

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Deadline for manuscript submissions

closed (15 January 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. *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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