

Special Issue

Clean Energy Management: Emerging Technologies and Mathematical Modeling

Message from the Guest Editors

Clean energy, often referred to as renewable energy, is generated from clean natural resources and production processes that do not damage the environment. The rapid depletion of conventional energy sources, such as oil, gas, and coal, and their adverse impact on environmental conditions are forcing practitioners worldwide to look for renewable energy sources such as wave, hydropower, solar, wind, and geothermal. As renewable energy sources continue to grow, a crucial goal will be to maximize productivity and clean energy utilization. Therefore, new technologies and policies are needed to manage exploration, production, distribution, and renewable energy consumption. Energy systems, including clean energy, are complicated and multi-dimensional systems that show nonlinear characteristics. Hence, modeling and controlling energy systems brings up various challenges for researchers. In this matter, a useful and powerful tool is mathematical modeling. This Special Issue aims to collect new technologies and mathematical models pertaining to the technologies, policies, and solutions that manage clean energy.

Guest Editors

Dr. Mohammad Reza Safaei

Dr. Reza Maihami

Dr. Mohammad Hossein Doranehgard

Dr. Mahyar Silakhori

Deadline for manuscript submissions

closed (30 June 2023)



Sustainability

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CiteScore 6.8



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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
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Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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