

## Special Issue

# Renewable Energy and the Load Capacity Factor: A New Indicator for Environmental Sustainability

### Message from the Guest Editors

This Special Issue of Sustainability will discuss the impact of renewable energy on environmental sustainability from a different perspective. One of the most effective ways to avoid the high carbon dioxide emissions caused by fossil fuels is to promote and expand the use of renewable energy sources such as solar, wind, hydropower, and biomass. However, since carbon emissions do not fully reflect environmental problems, an analysis that considers ecological footprint and biocapacity simultaneously can be considered a more accurate method to evaluate environmental sustainability. Is renewable energy production and consumption an important criterion for developing the load capacity factor? The Special Issue essentially invites research that answers this question, though the theme is not limited to this. This will provide a more comprehensive and accurate roadmap for assessing environmental sustainability. Studies that use recent panel data and time series analyses to examine other macroeconomic indicators that may have an impact on the load capacity factor are also invited to this Special Issue.

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### Guest Editors

Dr. Ugur Korkut Pata

Dr. Zeeshan Fareed

Dr. Daniel Balsalobre-Lorente

Dr. Farrukh Shahzad

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### Deadline for manuscript submissions

closed (30 March 2023)



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*Sustainability*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

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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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