

Special Issue

Exploring the Relationship between Natural Resources, Energy Consumption and Economic Growth

Message from the Guest Editors

Prior research has shown that traditional energy consumption, such as coal, natural gas, oil, etc., has led to economic growth. However, the excessive utilization of these traditional non-renewable resources emits a high quantity of CO₂, leading to the greenhouse effect. It is estimated that over one-third of global greenhouse gas emissions are generated by traditional energy sources. Therefore, a nation must have renewable energy sources, such as hydro, wind, solar, wave, tidal, etc., and these alternatives must have sustainable and non-polluting economic growth. Sustainable energy and natural resource consumption have become the main global objective for sustainable economic growth. Thus, owing to increasing energy consumption and CO₂ emissions, economists have shifted their attention towards the use of renewable energy rather than traditional energy consumption.

Guest Editors

Dr. Hafezali Iqbal Hussain

Dr. Janusz Grabara

Dr. Muhammad Haseeb

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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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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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