Special Issue

Energy Efficiency and Shadow Pricing

Message from the Guest Editors

The objectives of climate change mitigation and resource efficiency imply the need for energy efficiency gains. Furthermore, energy-related GHG emission needs to be monitored and curbed. The use of energy and the resulting environmental impacts are also related to economic growth and the use of production factors. This complex framework can be analyzed by modelling (environmental) production technology. This gives rise to measures of efficiency and productivity change. Parametric and nonparametric models can be used for gauging efficiency and productivity change. Shadow prices are an important measure of pollution abatement. All in all, efficiency analysis renders multiple data-driven indicators for the assessment of the sustainability of economies. This Special Issue calls for theoretical and empirical papers focusing on the following topics:

- Energy efficiency;
- Total factor productivity;
- Environmental performance indicators;
- Energy planning;
- Pinch analysis;
- Data envelopment analysis;
- Stochastic frontier analysis;
- Shadow pricing;
- Emission allocation.

Guest Editors

Prof. Dr. Tomas Baležentis

Prof. Dr. Jens Leth Hougaard

Prof. Dr. Dalia Štreimikienė

Deadline for manuscript submissions

closed (31 October 2021)

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Energies
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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