



Energy Efficiency and Shadow Pricing

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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.





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Message from the Editor-in-Chief

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