

Special Issue

Consumers' Behavioral Economics in Energy Transition

Message from the Guest Editors

The successful transformation of the energy sector depends not only on the successful development and implementation of sustainable energy technologies but also on changes to consumer energy behavior. Consumer behavior is complex and difficult to capture in traditional economic theories of decision making. Accordingly, a behavioral economics perspective on consumer behavior in the energy transition contributes to a deeper understanding of energy consumption and more effective behavioral interventions. In order to better understand sustainable consumption, several topics across scientific disciplines deserve more in-depth exploration. These topics include the identification of behaviors that need to be changed (e.g., the adoption of sustainable energy sources and energy-efficient technology, investments in energy efficiency measures, co-ownership in renewable energy), factors that underlie energy-related behavior (e.g., knowledge, motivation, and contextual elements), the design of behavioral interventions to promote sustainable energy consumption, and the effectivity of behavioral interventions in general.

Guest Editors

Dr. Özgür Yıldız

Prof. Dr. Reimund Schwarze

Dr. Gabriela Michalek

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

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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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