Special Issue

Energy Efficiency and Resource-Efficient Technologies: From the Demand Side towards the Supply Side

Message from the Guest Editor

Energy efficiency and the use of renewable energy sources are key goals of energy policies, to achieve a sustainable future. These targets can be reached by acting on the demand and/or supply side; the two sides are highly correlated and multi-disciplinary studies are needed to provide a complete understanding of the topic. For example, when considering the demand side in the residential sector, particular interest is devoted to energy poverty. This SI aims to collect contributions of the state-of-the-art on field of (a) sustainable and resource-efficient technologies in both the residential and the industrial sectors and of (b) demand side description and modeling. Includes the following topics: Residential sector 1. Energy efficiency in buildings2. Energy consumption at the household level3. Definitions, measures and policy implications of energy poverty Industrial sector 4. Energy efficiency, energy recovery technologies5. Energy and material recovery Multi-disciplinary topics 6. Sustainable development, consumption, products and services7. Efficient use of natural resources8. Alternative and sustainable energy resources

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