Special Issue

Environmental Impact Assessment of Energy Technologies

Message from the Guest Editor

The United Nations have identified “global access to affordable, reliable, sustainable and clean energy” as one of 17 Sustainable Development Goals (SDG). Yet, the current global energy mix is mainly based on non-renewable energy sources and is thus still far from achieving this goal. Most current global environmental challenges are at least partly driven by the global energy system. In order to achieve the SDG, extensive measures within the energy system need to be implemented. However, researchers looking into the global technology shift are confronted with the fact that not only fossil energy technologies cause negative environmental impacts, as renewable energy technologies are also facing challenges to minimise environmental impacts. Contributions in this Special Issue identify what are the relevant environmental impacts of current and new energy technologies and which strategies to reduce the environmental footprint of the global energy system are feasible.

Guest Editor

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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.

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