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Life Cycle Assessment Applications for Sustainable Energy Systems

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Message from the Guest Editors

Dear Colleagues,

The sustainable development of societies will demand a clean energy supply. Trying to act in accordance with the principle of sustainable development, the purpose and scope of using energy from renewable sources should be assessed; this is in order to ensure that the energy obtained in this way, together with energy from non-renewable sources, allows us to fulfill the demand for energy and simultaneously meet the required efficiency conditions, while achieving a reduction in the adverse environmental effects related to energy generation and its use. For various types of energy systems, the Life Cycle Assessment method could be used as a tool for this type of analysis. Therefore, in this Special Issue, we would like to encourage authors to publish their original studies on the environmental, economic, and social aspects of a clean energy supply based on LCA studies. The research may cover a wide range of topics, such as the usage of renewable energy sources and other alternative methods of energy production, as well as energy storage systems.

- sustainable energy
- life cycle assessment
- carbon footprint
- energy payback time
- renewable energy sources

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Message from the Editor-in-Chief

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