Special Issue

Thermodynamics and Sustainable Development

Message from the Guest Editors

Sustainability must be integrated into the design process: indicators must be developed, thermodynamic-economic-environmental cost functions must be calculated, an optimum design solution must be selected. Efficiency is a central topic in sustainability. New, high-efficiency processes are required, as well as hybridization and other techniques for boosting the efficiency of state-of-the-art technologies. Minimizing exergy waste is critical: extensive research on new storage technologies and strategies to integrate storage in a wide range of processes is required. Indicators, functions and methodologies to monitor the full impact of technological processes on the environment need to be developed. In this sense, life cycle analysis is a powerful tool for a complete evaluation of different technologies. Criteria and studies for sustainability policy-making are also relevant.

Guest Editors

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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