Special Issue

Estimation of Energy Consumption in Chemical Processes

Message from the Guest Editors

The Special Issue focuses on the methodologies to evaluate the energy requirements in the synthesis of innovative chemicals at both laboratory and industrial scale. Energy data for synthesis are required to perform life cycle evaluation. A Life Cycle Assessment (LCA) approach is requested to identify direct and embodied burdens and assess the overall footprint. The procedure is far from easy: the identification of the energy flows involved in the chemical synthesis represents one of the hardest part of the LCA studies for many reasons.

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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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