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## Modeling and Management of Energy Consumption in Manufacturing

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### Message from the Guest Editors

The growing energy demand of the industry translates directly into greenhouse gas emissions, which leads to the occurrence of extreme weather phenomena such as droughts and floods, and thus to irreversible degradation of the natural environment. Enterprises should not only limit themselves to reducing the energy consumption of manufacturing processes, but also to reducing the energy consumption of processes related to the manufacturing such as logistics of material supply, production flow and distribution of products. Authors are invited to submit full papers describing original research work associated with research and analysis of energy consumption in manufacturing industries related problems in areas including, but not limited to:

- monitoring and data analysis of manufacturing processes energy consumption,
- artificial intelligence applications for modelling the energy consumption,
- designing low-energy production processes,
- reduction of production energy consumption in Industry 4.0,
- efficient energy usage in the manufacturing industry,
- data-driven approaches for modelling energy consumption in manufacturing,
- intelligent energy management.



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## Message from the Editor-in-Chief

*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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