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## Life Cycle Assessment and Related Systems-Thinking Approaches for Sustainability of Energy and Water Infrastructures

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Deadline for manuscript  
submissions:

**closed (31 March 2020)**

### Message from the Guest Editor

Dear colleagues,

Energy and water systems are interrelated, insofar as energy is required to produce clean water, and water is required to produce usable energy, i.e., the so-called “water–energy nexus”. We warmly welcome submissions advancing the knowledge base in this area, with special interest in the following topics, as they intersect the interrelationships between water and energy:

- Environmental life cycle assessments (LCA) of present and future energy systems
  - Including LCAs for developing country scenarios
  - Including technological assessments for novel energy pathways;
- Improvements in life-cycle methodologies or approaches
  - Incorporating novel impacts/endpoints for better characterization of environmental burdens
  - Incorporating spatially and/or temporally explicit data
  - Utilizing probabilistic frameworks for enhancing decision-making under high uncertainty;
- Alternative systems frameworks to supplement or complement traditional LCA
  - Incorporating social perspectives in life-cycle studies
  - Utilizing cost-benefit analyses, techno-economic analyses, and/or energy footprint analyses.



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# Special Issue



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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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