

Special Issue

Recent Advances in Life Cycle Engineering

Message from the Guest Editors

Life cycle engineering uses technical and scientific principles to improve the sustainability of products and systems by taking economic, environmental, and social concerns into account in decision making within the life cycle. Solving problems from a life cycle perspective enables researchers, engineers, and managers to innovate in technology, product design, manufacturing, energy, and service systems. Since the concept was introduced in the 1980s, tremendous progress has been made in recent decades. Challenges, however, not only exist in methodologies but also in emerging technologies and changing environments of production and supply chain. This Special Issue aims to collect both original research and/or reviews that contribute to the development of life cycle engineering methodologies, applications of life cycle engineering in product design, manufacturing, energy systems, product service systems, innovations with state-of-the-art technologies to create a circular economy of products and service systems, as well as education innovations and case studies.

Guest Editors

Dr. Hao Zhang

School of Integrated Science, ISAT-CS Building, MSC 4102, 701 Carrier Drive, Room 322, James Madison University, Harrisonburg, VA 22807, USA

Prof. Dr. Haihong Huang

School of Mechanical Engineering, Hefei University of Technology, Hefei 230009, China

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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