



Industry 4.0 in the Context of Fostering Sustainable Manufacturing and Circular Economy

Guest Editors:

**Dr. Premaratne
Samaranayake**

School of Business, Western
Sydney University, Penrith, NSW
2751, Australia

Dr. Rama K. Ramanathan

School of Business, Western
Sydney University, Penrith, NSW
2751, Australia

Prof. Dr. Yi-Chen Lan

School of Business, Western
Sydney University, Penrith, NSW
2751, Australia

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Message from the Guest Editors

Despite the literature on broader topics of Industry 4.0, sustainable manufacturing and circular economy are gaining momentum, particularly several studies on Industry 4.0 readiness/maturity models and the close connection between Industry 4.0 and circular economy, their connection and association from the perspective of priorities and relationships of key factors across all three areas are in the infancy stage. Furthermore, implementation methodologies and frameworks for supporting Industry 4.0 adoption taking into consideration of sustainable manufacturing and circular economy are lacking in the literature.

This SI focuses on empirical approaches (quantitative, qualitative, or mixed-methods), but papers presenting frameworks, new theory, secondary/archival data also are welcome when integrated with an empirical approach. The research topics should be related to the intersection of three closely related areas: Industry 4.0, sustainable manufacturing and circular economy.

- Industry 4.0 readiness/maturity
- Industry 4.0 adoption
- enablers and challenges, frameworks
- sustainable manufacturing
- circular economy





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Prof. Dr. Steve W. Lyon

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

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