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*Annals of Operations Research*  
Call for papers for Special Issue  
**SOME: Sustainable Operations in Manufacturing Enterprise**

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Today even the most powerful manufacturing and services firms cannot do business in an arbitrary manner considering only profits. For example, McDonald's is being forced to stop using eggs from chickens raised in cages over the next decade by the pressure from animal-rights advocates (Jargon and Beilfuss, 2015). In fact, to mitigate the tension between a firm's goal of profit optimization and the public's criticisms of the firm's negative social and environmental impacts, the concept of sustainable operations has already been popularly embraced by the business community. Additionally, in the 21st century governments and environmental agencies worldwide have been enforcing legislations to reduce the carbon footprint and other pollutants. As shown by numerous professional and scientific studies, sustainable operations can have significant positive impacts on improving a firm's public image, helping firms survive in natural disasters or accidents, increasing a firm's profits and social welfare, and so forth. Although operations research (OR) since the time of the late George B. Dantzig has been applied to enhance the economy of industry, the OR for sustainable development has not been extensively explored and applied.

The calls for businesses to focus resources on sustainable operations has lead to admirable theoretical and empirical works in recycling and remanufacturing, humanitarian logistics, low-carbon supply chain, sustainable transport, and many other areas of multi-channel business that have strong intersections with the traditional purview of firm's operations and management. However, this leads to a huge challenge to design sustainable operations. So, there is a demand for innovative solid theories, frameworks, and mathematical models for sustainable operations in manufacturing enterprise including multi-channel business.

This special issue will focus on OR applications involving the above-mentioned tasks and those that include sustainability in the broad domains of industrial management, operations and supply chain management, energy planning, smart city planning, transportation planning, and new product and process development. On the methodological side, the special issue aims to present sustainable theory/frameworks, sustainable methods, and sustainable algorithms using OR. Case studies and papers introducing innovative OR applications considering aspects of sustainability are also highly encouraged.

We also encourage submissions that **may include but are not limited to:**

- Economic models for sustainable operations in manufacturing, production, and planning in multi-channel business
- Strategy and decision supports for sustainable operations, and its production and consumption
- Sustainable channel coordination in multi-channel supply chain business
- Sustainable international manufacturing networks
- Sustainability in multi-channel retailing and procurement

- The interplay of public concerns, variations, and sustainable operations in multi-channel business and sourcing
- Empirical evidence of sustainable operations in multi-channel business
- Interface between operations and environmental in multi-channel operations
- Data-driven multi-criteria evaluation of sustainable operations
- Sustainable distribution system for multi-channel enterprise
- Sustainable operations using Big Data
- Sustainable packaging and industrial waste in multi-channel enterprise

Manuscripts should be submitted no later than 31 December 2017 and should conform to the *Annals of Operations Research* format. See

(<http://www.springer.com/business/operations+research/journal/10479>).

Please submit your article via the online submission site at

<http://www.editorialmanager.com/anor/default.asp> Be sure to note when leaving a comment that your work is intended for the special issue and to select the article type: S.I.: SOME.

Papers will undergo a strict review process managed by the Guest Editors, and accepted papers will be published online individually, before print publication.

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