
Call for Papers
Annals of Operations Research

Special Volume
**Sustainable Supply Chain Design and Management: Analytic Models
with Practical Implications**

Organizations and industry practitioners are striving to create sustainable supply chains whether triggered by regulatory pressures or encouraged by financial incentives and stakeholder interests. A truly sustainable supply chain requires a change in how supply chains are designed and managed through explicit consideration of economic, environmental, and social performance measures in strategic, tactical, and operational decision making. The development of a sustainable supply chain has remained an “aspiration” primarily due to the complexities associated with the development of supply chain optimization models (i.e., design and planning tools) that are able to capture and quantify the key environmental and social performance measures in addition to the traditional economic-oriented goals. This special volume invites original contributions from researchers and industry professionals that develop analytical models for design and/or management of supply chains with multiple sustainability performance measures. Such analytical and optimization techniques may include linear and non-linear programming, multi-criteria and multi-objective decision making, heuristics, evolutionary algorithms, dynamic programming, robust optimization, and stochastic programming. While papers with significant theoretical, algorithmic, and modeling contributions are welcome, we highly encourage the modeling efforts with real world applications. In particular, the use of real data in the application of the developed models is the primary focus in this special volume.

The main areas of interest include:

- Decision tools for green supply chain design, management, and performance measurement
- Socially sustainable supply chains: quantifying and modeling of social performance measures
- Sustainable supply chain management during and post recession
- Sustainability and risk mitigation strategies
- Leanness and its relationship with supply chain sustainability
- Sustainable supplier evaluation and selection
- Sustainability and supply chain innovation
- Modeling of supply contracts for sustainable supply chains
- Multifunctional interactions in sustainable supply chain management

Manuscript submission deadline: 30 October 2014

Instructions for authors:

Please refer to the Journal Information and Author Guidelines for information on manuscript preparation: <http://www.springer.com/journal/10479>.

Authors should submit their full manuscript and a cover letter by *30 October 2014* via the journal's online submission site. Manuscripts submitted after the deadline may not be considered for the special volume and may be transferred to a regular volume.

Please see the Author Instructions on the web site if you have not yet submitted a paper through Springer's web-based system, *Editorial Manager*. Make sure to note when leaving a comment that your work is intended for the special volume and to select the article type **"SI: Sustainable Supply Chain Design and Mgt"**.

Papers will be subject to a strict review process managed by the guest editors and accepted papers will be published online individually, before print publication.

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