Special Issue on
Fuzzy Mathematical Programming and Applications in Supply Chain Management

Hindawi

CALL FOR PAPERS

The management of the supply chain is one of the major issues that a firm has to deal with in today's global economy. As the industrial environment becomes more competitive, supply chain management (SCM) has been given much more attention in the literature. Effective supply chain planning and optimization provide a competitive advantage to firms and organizations in today's highly intractable global business environment. That is, a suitably managed supply chain can operate in a highly dynamic and uncertain environment.

Nevertheless, in most of real-world SCM problems, environment coefficients and model parameters are frequently imprecise/fuzzy because required objective data is frequently incomplete and/or unavailable over the planning horizon, which forces using subjective/expert based data in practice.

The aims of this special issue are twofold: (i) to present recent outstanding developments and trends in the theory and algorithms of supply chain management using Fuzzy Mathematical Programming techniques/tools and (ii) to create a multidisciplinary forum of discussion on recent advances in supply chain management using Fuzzy Mathematical Programming.

Since supply chain is widely studied and applied in various areas of science, we invite all the related researchers from the fields of computer science, engineering, statistics, economy, finance, marketing, social sciences, healthcare, and so forth to contribute to this special issue.

We invite investigators to contribute original research articles as well as review articles that use fuzzy sets theory methodologies and techniques (e.g., Fuzzy Mathematical Programming, Fuzzy Multi-Criteria Decision Making Techniques, Interactive Fuzzy Programming, Fuzzy Logic, and Fuzzy Rule-based Systems).

Potential topics include but are not limited to the following:

- ► Supply chain planning
- ► Production and distribution planning
- ► Supply management
- ► Freight transportation
- ► Logistics management
- ► Supply chain resilience
- ► Supply chain risk management
- ► Sustainable supply chains
- ► Closed loop/reverse supply chains
- ► Energy supply chains
- ► Health care supply chains
- ► Humanitarian logistics
- ► Real-world applications of supply chain management problems in engineering, biology, medicine, energy, and so forth

Authors can submit their manuscripts through the Manuscript Tracking System at http://mts.hindawi.com/submit/journals/afs/fmpas/.

Lead Guest Editor
Bilge Bilgen, Dokuz Eylül University, İzmir, Turkey
bilge.bilgen@deu.edu.tr

Guest Editors
Seyed A. Torabi, University of Tehran, Tehran, Iran
satorabi@ut.ac.ir

Turan Paksoy, Selçuk University, Konya, Turkey
tpaksoy@yahoo.com