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Personal Information

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Education Information

Doctorate, University of Florida, Endüstri Mühendisliği, United States Of America 2003 - 2007

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Endüstri Mühendisliği (YI) (Tezli), Turkey 2001 - 2003

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 1996 - 2001

Foreign Languages

English, C1 Advanced

Research Areas

Industrial Engineering , Stochastic Modeling, Production Planning and Control, Supply Chain and Logistics Management, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, 2009 - Continues

Lecturer PhD, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, 2008 - 2009

Advising Theses

Bakal I. S. , Bayindir Z. P. , Value of supplier flexibility and extension opportunity for perishable items in an EOQ environment, Postgraduate, S.CEREN(Student), 2019

BAKAL İ. S. , Value of supplier flexibility and initial shelf life information for perishable items in an EOQ environment, Postgraduate, S.Ceren(Student), 2019

BAYINDIR Z. P. , BAKAL İ. S. , Effects of competition on product recovery decisions, Postgraduate, C.BARIŞ(Student), 2018

BAKAL İ. S. , A remanufacturing system with imperfect sorting: Deterministic and probabilistic models, Postgraduate, M.TAN(Student), 2018

BAKAL İ. S. , Analysis of price-only and revenue sharing contracts in a reverse supply chain, Postgraduate, M.BIAZARAN(Student), 2016

BAKAL İ. S. , KARAER Ö., Competition of manufacturers for retailer shelf space, Postgraduate, B.DİLER(Student), 2016

BAYINDIR Z. P. , BAKAL İ. S. , An integrated model for preventive maintenance and spare part inventory planning, Postgraduate, P.KAYA(Student), 2014

SÜRAL H., BAKAL İ. S. , The single-item lot sizing problem in SMT production lines, Postgraduate, H.SERİN(Student), 2014

BAKAL İ. S. , BAYINDIR Z. P. , Value of disruption information in an EOQ environment, Postgraduate, D.Esin(Student), 2014

BAYINDIR Z. P. , BAKAL İ. S. , Value of disruption information in an EOQ environmet, Postgraduate, D.ESİN(Student), 2014

BAKAL İ. S. , Joint quantity flexibility under market information update, Postgraduate, M.GÜLDEN(Student), 2013

BAKAL İ. S. , Analysis of an options contract in a dual sourcing supply chain under disruption risk, Postgraduate, H.KÖLE(Student), 2012

BAYINDIR Z. P. , BAKAL İ. S. , An assessment of a two-echelon inventory system against alternative systems, Postgraduate, S.ÖZPAMUKÇU(Student), 2011

BAYINDIR Z. P. , BAKAL İ. S. , Optimal pricing and production decisions in reusable container systems, Postgraduate, B.ATAMER(Student), 2010

BAKAL İ. S. , DURAN S., Tactical inventory and backorder decisions for systems with predictable production yield, Postgraduate, T.MART(Student), 2010

BAKAL İ. S. , Limited quantity flexibility in a decentralized supply chain, Postgraduate, S.KARAKAYA(Student), 2010

BAYINDIR Z. P. , BAKAL İ. S. , Centralization and advance quality information in remanufacturing, Postgraduate, M.ÜNAL(Student), 2009

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Exact and heuristic approaches for joint maintenance and spare parts planning**
Bulbul P., BAYINDIR Z. P. , BAKAL İ. S.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.129, pp.239-250, 2019 (Journal Indexed in SCI)
- II. **Value of disruption information in an EOQ environment**
BAKAL İ. S. , BAYINDIR Z. P. , Emer D. E.
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.263, no.2, pp.446-460, 2017 (Journal Indexed in SCI)
- III. **Value of information through options contract under disruption risk**
Kole H., BAKAL İ. S.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.103, pp.85-97, 2017 (Journal Indexed in SCI)
- IV. **Optimal pricing and production decisions in utilizing reusable containers**
Atamer B., BAKAL İ. S. , BAYINDIR Z. P.
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, vol.143, no.2, pp.222-232, 2013 (Journal Indexed in SCI)
- V. **Tactical inventory and backorder decisions for systems with predictable production yield**
MART T., Duran S., Bakal I. S.
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, vol.143, no.2, pp.294-303, 2013 (Journal Indexed in SCI)
- VI. **Joint quantity flexibility for multiple products in a decentralized supply chain**
Karakaya S., BAKAL İ. S.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.64, no.2, pp.696-707, 2013 (Journal Indexed in SCI)
- VII. **Value of supplier's capacity information in a two-echelon supply chain**
BAKAL İ. S. , ERKİP N. K. , GÜLLÜ A. R.
ANNALS OF OPERATIONS RESEARCH, vol.191, no.1, pp.115-135, 2011 (Journal Indexed in SCI)
- VIII. **Order timing strategies in a single-supplier, multi-retailer system**
BAKAL İ. S. , Geunes J.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.48, no.8, pp.2395-2412, 2010 (Journal Indexed in SCI)
- IX. **Market selection decisions for inventory models with price-sensitive demand**
BAKAL İ. S. , Geunes J., Romeijn H. E.
JOURNAL OF GLOBAL OPTIMIZATION, vol.41, no.4, pp.633-657, 2008 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

I. Analysis of a Revenue Sharing Contract in a Reverse Supply Chain

BAKAL İ. S. , BİAZARAN M.

International Conference on Operations Research, 6 - 08 September 2017

II. Ürünlerin Perakende Satış Noktasında Raf Yeri İçin Rekabeti

KARAER Ö., Diler B., BAKAL İ. S.

Yöneylem Araştırması ve Endüstri Mühendisliği Konferansı, İzmir, Turkey, 13 - 15 July 2016

III. Two-Stage Versus Single-Stage Inventory Models with or without Repair Ability

BAKAL İ. S. , Ozpamukcu S., BAYINDIR Z. P.

International Annual Conference of the German-Operations-Research-Society (GOR), Hannover, Germany, 5 - 07 September 2012, pp.555-560

IV. Quantity Flexibility for Multiple Products in a Decentralized Supply Chain

BAKAL İ. S. , Karakaya S.

Annual International Conference of the German-Operations-Research-Society (GOR), Neubiberg, Germany, 1 - 03 September 2010, pp.411-416

Citations

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