

Asst. Prof. SAKİNE BATUN

Personal Information

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Education Information

Doctorate, University of Pittsburgh, Graduate Faculty of the Swanson School of Engineering, Department of Industrial Engineering, United States Of America 2006 - 2011

Postgraduate, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2004 - 2006

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2000 - 2004

Dissertations

Doctorate, Scheduling Multiple Operating Rooms under Uncertainty, University of Pittsburgh, 2011

Postgraduate, Machine scheduling with preventive maintenances, Middle East Technical University, Faculty of Engineering, Department of Industrial Engineering, 2006

Research Areas

Industrial Engineering

Academic Titles / Tasks

Assistant Professor, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, 2018 - Continues

Assistant Professor, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, 2012 - 2018

Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Industrial Engineering, 2004 - 2006

Advising Theses

Batun S., A stochastic disassembly line balancing problem with hazardous tasks, Doctorate, E.GÖKSOY(Student), 2020

Batun S., Management of interdependent infrastructure networks under disaster-related uncertainties, Postgraduate, T.CANBİLEN(Student), 2020

Batun S., Multi-period appointment planning and scheduling in healthcare, Postgraduate, U.TARIK(Student), 2019

Batun S., Order picking oriented storage assignment problem in a vertical lift module system, Postgraduate, B.ÖZ(Student), 2019

Çelik M., Batun S., Value of Modeling Uncertainty in Multi-Objective Programming, Postgraduate, E.YİĞİT(Student), 2019

BATUN S., Closed-loop supply chain network design under demand, return and quality uncertainty, Postgraduate, K.BİÇE(Student), 2017

BATUN S., Nurse scheduling and rescheduling problem under uncertainty, Postgraduate, E.KARPUZ(Student), 2015

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

- I. **Closed-loop supply chain network design under demand, return and quality uncertainty**
Biçe K., Batun S.
Computers and Industrial Engineering, vol.155, 2021 (Journal Indexed in SCI)
- II. **Optimal Liver Acceptance for Risk-Sensitive Patients**
BATUN S., Schaefer A. J. , Bhandari A., Roberts M. S.
SERVICE SCIENCE, vol.10, no.3, pp.320-333, 2018 (Journal Indexed in SSCI)
- III. **Reassessing tradeoffs inherent to simultaneous maintenance and production planning**
Batun S., Maillart L. M.
Production and Operations Management, vol.21, no.2, pp.396-403, 2012 (Journal Indexed in SCI)
- IV. **Operating room pooling and parallel surgery processing under uncertainty**
Batun S., Denton B. T. , Huschka T. R. , Schaefer A. J.
INFORMS Journal on Computing, vol.23, no.2, pp.220-237, 2011 (Journal Indexed in SCI)
- V. **Single machine scheduling with preventive maintenances**
Batun S., Azizoğlu M.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.47, no.7, pp.1753-1771, 2009 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Nurse Scheduling and Rescheduling Under Uncertainty**
Karpuz E., Batun S.
Hacettepe Üniversitesi İktisadi ve İdari Bilimler Fakültesi Dergisi, vol.38, no.1, pp.75-95, 2020 (National Refreed University Journal)
- II. **Assigning Regions to Sales Representatives at Pfizer Turkey**
Batun S., Köksalan M.
INFORMS Transactions on Education, vol.9, no.2, pp.70-83, 2009 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Assigning Regions to Sales Representatives at Pfizer Turkey**
Köksalan M., Batun S.
in: Multiple Criteria Decision Making and Aiding (International Series in Operations Research & Management Science, Vol. 274), Huber S., Geiger M., de Almeida A., Editor, Springer, London/Berlin , Zug, pp.221-230, 2019
- II. **Optimization in Healthcare Delivery Modeling: Methods and Applications**
Batun S., Beğen M. A.
in: Handbook of Healthcare Operations Management (International Series in Operations Research & Management Science, Vol. 184), Brian T. Denton, Editor, Springer, London/Berlin , New York, pp.75-119, 2013

Supported Projects

BATUN S., BİLGİÇ U. T. , Project Supported by Higher Education Institutions, Çok Dönemli Randevu Çizelgeleme Problemi İçin Rassal Programlama Yaklaşımları, 2016 - 2017

Citations

Total Citations (WOS):150

h-index (WOS):3