

## Prof. Dr. ÖMER KIRCA

### Kişisel Bilgiler

E-posta: kirca@metu.edu.tr

Web: <https://avesis.metu.edu.tr/kirca>

### Eğitim Bilgileri

Doktora, Georgia Institute of Technology, Endüstri Mühendisliği, Amerika Birleşik Devletleri 1979 - 1983

### Yönetilen Tezler

KIRCA Ö., MODEL AND PROCEDURES FOR THE JAMMER AND TARGET ALLOCATION PROBLEM, Yüksek Lisans, K.GÜL(Öğrenci), 2018

KIRCA Ö., A two stage approach for hybrid-assembly line design, Yüksek Lisans, D.ŞİMŞEK(Öğrenci), 2014

KIRCA Ö., SÜRAL H., Multi-layer network design problems in telecommunication, Doktora, İ.YÜKSEL(Öğrenci), 2013

KIRCA Ö., Ammunition transfer system optimization problem, Yüksek Lisans, H.SİNEM(Öğrenci), 2012

KIRCA Ö., A heuristic approach for the single machine scheduling tardiness problems, Yüksek Lisans, S.İLKER(Öğrenci), 2011

KIRCA Ö., Mixed-model two-sided assembly line balancing, Yüksek Lisans, E.UÇAR(Öğrenci), 2010

KIRCA Ö., Two-sided assembly line balancing models and heuristics, Yüksek Lisans, U.ARIKAN(Öğrenci), 2009

KIRCA Ö., Assembly line balancing with multi-manned tasks, Yüksek Lisans, C.ERDEM(Öğrenci), 2007

KIRCA Ö., Multi-item inventory-routing problem for an FMCG company, Yüksek Lisans, E.ZERMAN(Öğrenci), 2007

KIRCA Ö., A new approach to generating non-permutation schedules for flowshops with missing operations, Yüksek Lisans, M.TABALU(Öğrenci), 2006

KIRCA Ö., Chocolate production line scheduling: A case study, Yüksek Lisans, E.ÇÖLOVA(Öğrenci), 2006

KIRCA Ö., Batch scheduling of incompatible jobs on a single reactor with dynamic arrivals, Yüksek Lisans, G.KORKMAZ(Öğrenci), 2004

KIRCA Ö., A general production and financial planning model for integrated poultry organizations, Yüksek Lisans, B.SATIR(Öğrenci), 2003

AZİZOĞLU M., KIRCA Ö., A Mixed model line sequencing problem with makespan minimization, Yüksek Lisans, B.SOYLU(Öğrenci), 2002

KIRCA Ö., A Branch and bound algorithm to minimize total weighted flowtime for the two-stage assembly scheduling problem, Yüksek Lisans, A.Tozkapan(Öğrenci), 1999

KIRCA Ö., A Branch and bound algorithm to minimize total weighted flowtime for the two-stage assembly scheduling, Yüksek Lisans, A.TOZKAPAN(Öğrenci), 1999

KIRCA Ö., An Object-oriented graphical user interface for a production scheduling problem in air supply and maintenance centers, Yüksek Lisans, M.ERMİŞ(Öğrenci), 1997

KIRCA Ö., A Heuristic for flowskops with totalflow time minimization, Yüksek Lisans, A.GÜLÇİN(Öğrenci), 1996

KIRCA Ö., Multi-item lot sizing problem with setup times, Doktora, H.SÜRAL(Öğrenci), 1996

KIRCA Ö., Parallel machine scheduling to minimize total cost functions, Doktora, M.AZİZOĞLU(Öğrenci), 1994

KIRCA Ö., Heuristic procedures for multi-item discrete lot sizing, Yüksek Lisans, A.KAYNARCA(Öğrenci), 1991

KIRCA Ö., Heuristic procedures for multi-item discrete lot sizing, Yüksek Lisans, A.Kaynarca(Öğrenci), 1991

KIRCA Ö., Aggregate production planning and material requirements planning systems design for an electronics company, Yüksek Lisans, A.TÜREÇ(Öğrenci), 1991

KIRCA Ö., Efficient procedures for multi-item lot sizing problems based on tight formulations, Yüksek Lisans, M.KÖKTEN(Öğrenci), 1990

KIRCA Ö., Heuristic procedures for the lot sizing problem with assembly structures, Yüksek Lisans, O.İRFANOĞLU(Öğrenci), 1990

KIRCA Ö., Algorithms for multi-level capacitated lot-sizing problem with set-up times, Yüksek Lisans, E.ŞAHİN(Öğrenci), 1989

KIRCA Ö., Simulated annealing: An implementation with large scale traveling salesman problems, Yüksek Lisans, M.KILIÇ(Öğrenci), 1989

KIRCA Ö., Formulations and heuristic procedures for location-allocation-routing problems (Larp's), Yüksek Lisans, T.YURTSEVER(Öğrenci), 1988

KIRCA Ö., Heuristic procedures for multi-item dynamic lot sizing problem with set-up times, Yüksek Lisans, B.Deniz(Öğrenci), 1988

KIRCA Ö., Heuristic procedures for multi-item dynamic lot sizing problems with set-up times, Yüksek Lisans, B.ULUÖZ(Öğrenci), 1988

KIRCA Ö., Formulation and heuristic procedures for location-allocation-routing problem (Larp's), Yüksek Lisans, T.Yurtsever(Öğrenci), 1988

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Naval Air Defense Planning problem: A novel formulation and heuristics**  
Arslan C., Karasakal O., Kirca Ö.  
Naval Research Logistics, cilt.71, sa.7, ss.895-919, 2024 (SCI-Expanded)
- II. **A branch and bound algorithm to minimize the total tardiness for m-machine permutation flowshop problems**  
Chung C., Flynn J., Kirca O.  
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, cilt.174, sa.1, ss.1-10, 2006 (SCI-Expanded)
- III. **Tardiness minimization on parallel machines**  
AZİZOĞLU M., KIRCA Ö.  
International Journal of Production Economics, cilt.55, sa.2, ss.163-168, 1998 (SCI-Expanded)
- IV. **A location-distribution application for a beer company**  
Köksalan M., SÜRAL H., KIRCA Ö.  
European Journal of Operational Research, cilt.80, sa.1, ss.16-24, 1995 (SSCI)

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Benders Decomposition for the Multi layer Telecommunication Network Design Problem**  
Yuksel Ergun I., SÜRAL H., KIRCA Ö.  
28th European Conference on Operational Research, Poznan, Polonya, 3 - 06 Temmuz 2016

## Metrikler

Yayın: 5  
Atf (WoS): 136  
Atf (Scopus): 147  
H-İndeks (WoS): 3  
H-İndeks (Scopus): 3

## **Akademi Dışı Deneyim**

METU

METU

METU

METU

METU