

Doç. Dr. Yasin GÖÇGÜN

Kişisel Bilgiler

E-posta: yasin.gocgun@medipol.edu.tr

Web: <https://avesis.medipol.edu.tr/yasin.gocgun>

Uluslararası Araştırmacı ID'leri

ORCID: 0000-0003-3005-7596

Publons / Web Of Science ResearcherID: IQW-5808-2023

ScopusID: 22634033100

Yoksis Araştırmacı ID: 237842

Eğitim Bilgileri

Doktora, University of Washington, Amerika Birleşik Devletleri 2005 - 2010

Yüksek Lisans, İhsan Doğramacı Bilkent Üniversitesi, Mühendislik Ve Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (YI) (Tezli), Türkiye 2003 - 2005

Lisans, İhsan Doğramacı Bilkent Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, Türkiye 1999 - 2003

Yaptığı Tezler

Doktora, Approximate Dynamic Programming for Dynamic Stochastic Resource Allocation with Applications to Healthcare, University of Washington, 2010

Yüksek Lisans, Beam search algorithms for the mixed-model assembly line sequencing, İhsan Doğramacı Bilkent Üniversitesi, Mühendislik Ve Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (YI) (Tezli), 2005

Akademik Unvanlar / Görevler

Doç. Dr., İstanbul Medipol Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Endüstri Mühendisliği Bölümü, 2022 - Devam Ediyor

Dr. Öğr. Üyesi, İstinye Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2020 - 2022

Dr. Öğr. Üyesi, Altınbaş Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Endüstri Mühendisliği Bölümü, 2014 - 2020

Verdiği Dersler

Stochastic Modeller, Lisans, 2021 - 2022

Yöneylem Araştırması Modelleme Uygulamaları, Lisans, 2021 - 2022, 2020 - 2021

Modelleme ve Optimizasyon 2, Lisans, 2021 - 2022

Modelleme ve Optimizasyon 1, Lisans, 2021 - 2022

İmalat Süreçleri ve İşlem Analizi, Lisans, 2021 - 2022

Optimizasyona Giriş, Lisans, 2020 - 2021

Dinamik Optimizasyona Giriş, Lisans, 2020 - 2021

ÜRETİM SİSTEMLERİ YÖNETİMİ, Lisans, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

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İŞLEM ANALİZİ VE TASARIMI, Lisans, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Tamsayılı ve Dinamik Programlama, Lisans, 2019 - 2020, 2017 - 2018
Kalite Planlama ve Denetimi, Lisans, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2014 - 2015
Mühendislik Ekonomisi Finansı, Lisans, 2019 - 2020
Dinamik Programlama, Yüksek Lisans, 2018 - 2019
Endüstri Mühendisliğine Giriş, Lisans, 2018 - 2019, 2017 - 2018, 2016 - 2017
Yöneylem Araştırması 2, Lisans, 2017 - 2018
Çizelgeleme, Lisans, 2015 - 2016

Yönetilen Tezler

Yasin G., Direct search based approximate dynamic programming technique for dynamic stochastic advanced scheduling, Yüksek Lisans, A.HASSAN(Öğrenci), 2019

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Simulation-based approximate policy iteration for dynamic patient scheduling for radiation therapy**
Gocgun Y.
Health Care Management Science, cilt.21, sa.3, ss.317-325, 2018 (SSCI)
- II. **Approximate policy iteration for dynamic resource-constrained project scheduling**
Salemi Parizi M., Gocgun Y., Ghate A.
Operations Research Letters, cilt.45, sa.5, ss.442-447, 2017 (SCI-Expanded)
- III. **Cost-effectiveness of breast cancer screening policies using simulation**
Gocgun Y., Banjevic D., Taghipour S., Montgomery N., Harvey B., Jardine A., Miller A.
Breast, cilt.24, sa.4, ss.440-448, 2015 (SCI-Expanded)
- IV. **Technical note-trading off quick versus slow actions in optimal search**
Shechter S. M., Ghassemi F., Gocgun Y., Puterman M. L.
Operations Research, cilt.63, sa.2, ss.353-362, 2015 (SCI-Expanded)
- V. **Dynamic scheduling with due dates and time windows: An application to chemotherapy patient appointment booking**
Gocgun Y., Puterman M. L.
Health Care Management Science, cilt.17, sa.1, ss.60-76, 2014 (SSCI)
- VI. **Lagrangian relaxation and constraint generation for allocation and advanced scheduling**
Gocgun Y., Ghate A.
Computers and Operations Research, cilt.39, sa.10, ss.2323-2336, 2012 (SCI-Expanded)
- VII. **A Markov decision process approach to multi-category patient scheduling in a diagnostic facility**
Gocgun Y., Bresnahan B. W., Ghate A., Gunn M. L.
Artificial Intelligence in Medicine, cilt.53, sa.2, ss.73-81, 2011 (SCI-Expanded)
- VIII. **Backtracking and exchange of information: Methods to enhance a beam search algorithm for assembly line scheduling**
Sabuncuoğlu I., Gocgun Y., Erel E.
European Journal of Operational Research, cilt.186, sa.3, ss.915-930, 2008 (SCI-Expanded)
- IX. **Mixed-model assembly line sequencing using beam search**
Erel E., Gocgun Y., Sabuncuoğlu I.
International Journal of Production Research, cilt.45, sa.22, ss.5265-5284, 2007 (SCI-Expanded)
- X. **Analysis of serial production lines: Characterisation study and a new heuristic procedure for optimal buffer allocation**
Sabuncuoğlu I., Erel E., Gocgun Y.
International Journal of Production Research, cilt.44, sa.13, ss.2499-2523, 2006 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Optimal Matchday Schedule for Turkish Professional Soccer League using Nonlinear Binary Integer Programming**
GÖÇGÜN Y., BAKIR N. O.
AN INTERNATIONAL JOURNAL OF OPTIMIZATION AND CONTROL: THEORIES & APPLICATIONS (IJOCTA), cilt.12, ss.113-127, 2022 (Scopus)
- II. **Performance comparison of approximate dynamic programming techniques for dynamic stochastic scheduling**
GÖÇGÜN Y.
International Journal of Optimization and Control: Theories and Applications, cilt.11, sa.2, ss.178-185, 2021 (Scopus)
- III. **A Markov Decision Process Approach for Mental Health**
GÖÇGÜN Y.
Konya mühendislik bilimleri dergisi (Online), cilt.8, ss.258-268, 2020 (Hakemli Dergi)
- IV. **Approximate Dynamic Programming for Optimal Search with an Obstacle**
GÖÇGÜN Y.
SELCUK UNIVERSITY JOURNAL OF ENGINEERING, SCIENCE AND TECHNOLOGY, cilt.7, ss.89-104, 2019 (Hakemli Dergi)
- V. **Dynamic Scheduling with Cancellations: An Application to Chemotherapy Appointment Booking**
GÖÇGÜN Y.
An International Journal of Optimization and Control: Theories and Applications, cilt.8, ss.161-169, 2018 (Scopus)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Fair Assignment of Matchdays in Turkish Super League under a Rest Mismatch Minimization Objective**
Göçgün Y., Bakır N. O.
Proceedings of the 6th Industrial Engineering and Operations Management Bangladesh Conference, 26 - 28 Aralık 2023, ss.228-239
- II. **A novel integer programming model for the fixture schedule of Turkish professional soccer league**
Göçgün Y.
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- III. **Stochastic Dynamic Optimization for Dynamic Scheduling**
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- IV. **Factors Impacting Enrollment Rates of Foundation Universities: A Multiple Regression Analysis**
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- V. **Determining the Matchdays for the Turkish Super League using Non-Linear Binary Integer Programming**
Göçgün Y., Bakır N. O., Saleh B. A.
12th Annual International Conference on Industrial Engineering and Operations Management, 7 - 10 Mart 2022, ss.4745-4756
- VI. **İptal İçeren Dinamik Çizelgeleme: Kemoterapi Randevu Çizelgelemesine bir Uygulama**
GÖÇGÜN Y.
Yoneylem Arastirmasi ve Endustri Muhendisligi (YAEM), İstanbul, Türkiye, 5 - 07 Temmuz 2017

- VII. **Simulation-based Approximate Dynamic Programming for Stochastic Resource-constrained Project Scheduling**
GÖÇGÜN Y., Parizi M., Ghatte A.
INFORMS Annual Meeting, Philadelphia, Amerika Birleşik Devletleri, 1 - 04 Kasım 2015
- VIII. **Dinamik, Stokastik ve Kaynak Kısıtlı Proje Çizelgeleme Problemleri için Yaklaşık Dinamik Programlama**
GÖÇGÜN Y., Parizi M., Ghatte A.
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- IX. **Cost-effectiveness Analysis of Breast Cancer Screening Policies for The Canadian Population**
GÖÇGÜN Y., Banjevic D., Tahgipour S., Montgomery N., Miller A., Harvey B., Jardine A.
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- X. **Dynamic Patient Scheduling for Chemotherapy**
GÖÇGÜN Y., Puterman M.
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- XI. **Approximate Dynamic Programming in Optimal Search with Application to Minimally Invasive Surgery**
GÖÇGÜN Y., Shechter S.
INFORMS Annual Meeting, Charlottetown, Kanada, 13 - 16 Kasım 2011
- XII. **Hybrid Lagrangian Relaxation-Column Generation for Advanced Scheduling in Healthcare**
GÖÇGÜN Y., Ghatte A.
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- XIII. **A Lagrangian Approach to Dynamic Resource Allocation**
GÖÇGÜN Y., Ghatte A.
Proceedings of the 2010 Winter Simulation Conference, Baltimore, Amerika Birleşik Devletleri, 05 Aralık 2010
- XIV. **Approximate Dynamic Programming for Advanced Scheduling in Healthcare**
GÖÇGÜN Y., Ghatte A.
Canadian Mathematical Society, Vancouver, Kanada, 04 Aralık 2010
- XV. **Weakly Coupled MDP Models for Allocation Scheduling in Healthcare**
GÖÇGÜN Y., Ghatte A.
INFORMS Annual Meeting, Austin, Amerika Birleşik Devletleri, 07 Kasım 2010
- XVI. **Approximate Dynamic Programming for Dynamic Stochastic Project Scheduling**
GÖÇGÜN Y., Ghatte A.
INFORMS Annual Meeting, San Diego, Amerika Birleşik Devletleri, 11 - 14 Ekim 2009
- XVII. **Multiclass Scheduling Problems with Applications to Healthcare**
GÖÇGÜN Y., Ghatte A.
IIE Annual Conference, Miami, Amerika Birleşik Devletleri, 30 Mayıs 2009
- XVIII. **Dynamic Programming Approach to Multiclass Scheduling Problems**
GÖÇGÜN Y., Ghatte A.
INFORMS Annual Meeting, Washington, Kiribati, 12 Ekim 2008