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International Researcher IDs

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Education

Post Doctorate, Western Michigan University, College of Engineering and Applied Sciences, Industrial and Entrepreneurial Engineering and Engineering Management, United States Of America 2024 - 2025

Doctorate, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ, Turkey 2017 - 2022

Postgraduate, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, Turkey 2014 - 2017

Undergraduate, Sakarya University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2009 - 2013

Dissertations

Doctorate, Drone Arc Routing Problems and Metaheuristic Solution Approach, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ, 2022

Postgraduate, Kentsel suçların önlenmesine yönelik bir karar destek sistemi, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Endüstri Mühendisliği Bölümü, 2017

Research Areas

Industrial Engineering, Optimization Theory and Methods

Academic Positions

Assistant Professor, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği Bölümü, 2025 - Continues

Researcher, Western Michigan University, College of Engineering and Applied Sciences, Industrial and Entrepreneurial Engineering and Engineering Management, 2024 - 2025

Research Assistant PhD, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği Bölümü, 2022 - 2025

Research Assistant, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ, 2014 - 2022

Research Assistant, Kafkas University, Faculty Of Engineering-Architecture, Department Of Industrial Engineering, 2013 - 2014

Research Assistant, Akdeniz University, Yabancı Diller Yüksekokulu, 2013 - 2014

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Multi-Depot General Colored Traveling Salesman Problem with Time Windows in Home Healthcare System: A Medication Delivery Example**
Acar I., Altın İ.
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING : THEORY APPLICATIONS AND PRACTICE, vol.32, no.2, pp.493-513, 2025 (SCI-Expanded)
- II. **A Metaheuristic Approach for In-Plant Milk-Run System with Autonomous Vehicles**
Sipahioğlu A., Acar I., Altın İ.
NETWORKS AND SPATIAL ECONOMICS, vol.24, pp.1-21, 2024 (SCI-Expanded)
- III. **Drone Arc Routing Problems and Metaheuristic Solution Approach**
Altın I., Sipahioğlu A.
DRONES, vol.8, no.8, pp.1-30, 2024 (SCI-Expanded)

Articles Published in Other Journals

- I. **PARAMETER-LESS AND METAPHOR-LESS METAHEURISTIC ALGORITHM SUGGESTION FOR SOLVING COMBINATORIAL OPTIMIZATION PROBLEMS**
Altın İ., Sipahioğlu A.
Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), vol.31, no.1, pp.599-609, 2023 (Peer-Reviewed Journal)
- II. **The effect of dynamic penalty function on solution of quadratic knapsack problem with simulated annealing algorithm**
SİPAHİOĞLU A., ALTIN İ.
Applied Analysis and Optimization, vol.4, no.2, pp.257-271, 2020 (Peer-Reviewed Journal)
- III. **A mathematical model for in-plant Milk-Run routing**
SİPAHİOĞLU A., ALTIN İ.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.25, no.9, pp.1050-1055, 2019 (ESCI)

Books

- I. **ASSESSING PERFORMANCE OF MACHINE LEARNING MODELS TO ESTIMATE MUSCULOSKELETAL DISORDER RISK SCORES**
ALTIN İ., ÖZKAN N. F., ULUTAŞ B.
in: Endüstri Mühendisliği Alanında Uluslararası Araştırmalar I, SAKALLI ABDULLA, Editor, Eğitim Yayınevi, Ankara, pp.91-101, 2024
- II. **Assessing Cognitive Load and Visual Attention in a Railway Simulator using Eye Tracking Technology: A Pilot Study**
ÖZKAN N. F., ALTIN İ., ULUTAŞ B.
in: Advances in Engineering Research, Petrova V.M., Editor, NOVA Science Publishers, Inc., New York, pp.91-114, 2023
- III. **Simulated Annealing Algorithm for In-Plant Milk-Run System**
ALTIN İ., SİPAHİOĞLU A.
in: Production Research, Daniel Alejandro Rossit, Fernando Tohmé, Gonzalo Mejía Delgadillo, Editor, Springer, pp.187-201, 2021
- IV. **İç Lojistik Uygulamaları**
SİPAHİOĞLU A., ALTIN İ.
in: Yapay Zeka ve Büyük Veri, Sağıroğlu Şeref, Demirezen Umut M., Yazıcı Ahmet, Editor, Nobel, pp.117-152, 2021

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Multi-Depot General Colored Traveling Salesman Problem in Home Healthcare System**
Acar I., Altin I.
INFORMS Annual Meeting 2024, Washington, United States Of America, 20 - 23 October 2024, pp.1187-1188,
(Summary Text)
- II. **Multi-Depot Drone Arc Routing Problem and Solution Methods**
Altin I., Sipahiođlu A., Acar I.
INFORMS Annual Meeting 2024, Washington, United States Of America, 20 - 23 October 2024, pp.82, (Summary
Text)
- III. **Simulated Annealing Algorithm for In-Plant Milk-Run System**
Altin İ., Sipahiođlu A.
International Conference of Production Research Americas 2020, Bahia Blanca, Argentina, 9 - 11 December 2020,
pp.2561-2576, (Full Text)
- IV. **A Metaheuristic Algorithm for In-Plant Milk-Run System**
ALTIN İ., SİPAHİOĐLU A.
5th International Researchers, Statisticians and Young Statisticians Congress, 18 - 20 October 2019, (Full Text)
- V. **A Method for 1-M-1 Pickup and Delivery Problem with Robust Paths**
ALTIN İ., SİPAHİOĐLU A., YAZICI A.
VEROLOG 2019, Sevilla, Spain, 3 - 05 June 2019, (Summary Text)
- VI. **Simulated Annealing Algorithm for 1-M-1 Pickup and Delivery Problem**
SİPAHİOĐLU A., ALTIN İ., YAZICI A.
ECCO 2019, St. Julian'xxs, Malta, 30 May - 01 June 2019, (Summary Text)
- VII. **A Mathematical Model for In-Plant Milk-Run Routing**
ALTIN İ., SİPAHİOĐLU A.
16. International Logistics and Supply Chain Congress, 18 - 20 October 2018, (Full Text)
- VIII. **Iterated Local Search Algorithm for the Quadratic Assignment Problem**
ALTIN İ., SİPAHİOĐLU A.
29. European Conference on Operational Research, 8 - 11 July 2018, (Summary Text)
- IX. **Milk-Run Rotası Belirlemede Bir Model Önerisi**
ALTIN İ., SİPAHİOĐLU A.
38. Yöneylem Araştırması Endüstri Mühendisliđi Ulusal Kongresi, Turkey, 26 - 29 June 2018, (Summary Text)
- X. **Threshold Accepting Algorithm for the Capacitated P-Median Problem**
ALTIN İ., SİPAHİOĐLU A.
4. International Researchers, Statisticians and Young Statisticians Congress, 28 - 30 April 2018, (Summary Text)
- XI. **A Decision Support System for the Prevention of Urban Crime**
ALTIN İ., KAPANOĐLU M.
3RD INTERNATIONAL RESEARCHERS, STATISTICIANS AND YOUNG STATISTICIANS CONGRESS, 24 - 26 May 2017,
(Summary Text)

Funded Projects

- Altin I., Sipahiođlu A., TUBITAK Project, KENTİÇİ RAYLI ULAŞIM SİSTEMLERİNDE ARAÇ VE SÜRÜCÜ ÇİZELGELEME BİLGİ SİSTEMİ, 2022 - 2023
- Yazıcı A., Sarıççek İ., Edizkan R., Çevikalp H., Sipahiođlu A., TUBITAK Project, Development of Autonomous Transport Vehicles and Human-Machine / Machine-Machine Interfaces for Smart Factories, 2017 - 2021

Metrics

Publication: 21
Citation (Scopus): 2
H-Index (Scopus): 1

Scholarships

TÜBİTAK 2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, TÜBİTAK, 2024 - 2025