

# Prof. FULYA ALTIPARMAK BAYKOÇ

## Personal Information

**Office Phone:** [+90 312 582](tel:+90312582) Extension: 3856

**Email:** [fulyaal@gazi.edu.tr](mailto:fulyaal@gazi.edu.tr)

**Web:** <https://avesis.gazi.edu.tr/fulyaal>

## International Researcher IDs

ScholarID: 1113526440535229581

ORCID: 0000-0003-1730-4214

Publons / Web Of Science ResearcherID: AAF-7020-2021

ScopusID: 6602908594

Yoksis Researcher ID: 5403

## Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (Dr), Turkey 1991 - 1996

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (YI) (Tezli), Turkey 1987 - 1991

Undergraduate, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, Turkey 1983 - 1987

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, Genetik algoritma ile haberleşme şebekelerinin topolojik optimizasyonu, Gazi University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (Dr), 1996

Postgraduate, Simulasyonda ardışık küme ortalamaları metodu ile çıktı analizi, Gazi University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (YI) (Tezli), 1990

## Research Areas

Stochastic Modeling, Multiobjective Optimization, Heuristic Methods, Simulation, Service Systems Modeling and Analysis, Reliability and Maintenance, Supply Chain and Logistics Management

## Academic Titles / Tasks

Professor, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2007 - Continues

Associate Professor, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2000 - 2007

Assistant Professor, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, 1999 - 2000

## Courses

Statistical Data Analysis, Undergraduate, 2019 - 2020  
Heuristic Optimization, Postgraduate, 2020 - 2021  
Simulation, Undergraduate, 2018 - 2019  
Probability, Undergraduate, 2019 - 2020

## Advising Theses

Altıparmak Baykoç F., Koç Ç., Mixed fleet electric vehicle routing problem and solution methods, Doctorate, S.DÖNMEZ(Student), 2023  
ALTIPARMAK BAYKOÇ F., ALTIPARMAK F., Mobile Healthcare Service Routing And Scheduling Problem: Solution Approaches, Postgraduate, İ.AKKUŞ(Student), 2021  
Altıparmak Baykoç F., Su Kayıp ve Kaçaklarının Tespit ve Önleme Malzeme Özelliklerinin Sıralanması: Bütünleşik B-TODIM ve TOPSIS Yöntemi, Postgraduate, Y.ASLAN(Student), 2021  
KABAK M., ALTIPARMAK BAYKOÇ F., Türkiye'de çelik sektörü için çok kriterli karar verme ile uluslararası pazar seçimi, Postgraduate, M.BAYATA(Student), 2019  
ALTIPARMAK BAYKOÇ F., İki aşamalı yer seçimi ve eş-zamanlı topla dağıt araç rotalama problemleri ve çözüm yaklaşımları, Doctorate, E.ARZU(Student), 2019  
ALTIPARMAK BAYKOÇ F., Yeşil eşzamanlı topla dağıt araç rotalama problemi için bir hiper sezgisel algoritma, Postgraduate, B.OLGUN(Student), 2019  
ALTIPARMAK BAYKOÇ F., Solution Approaches For Two Echelon Vehicle Routing Problem With Simultaneous Pickup And Delivery, Doctorate, Ö.BELGİN(Student), 2017  
ALTIPARMAK BAYKOÇ F., Multi-objective vehicle routing problem with simultaneous pick up and delivery: Goal programming and solution approaches based on genetic algorithms, Doctorate, F.PINAR(Student), 2017  
ALTIPARMAK BAYKOÇ F., Heuristic Approaches For Distribution Planning Of Perishable Foods, Postgraduate, U.YAPAR(Student), 2016  
ALTIPARMAK BAYKOÇ F., Model Proposal For The Determination Of The Primary Sectors Which Research And Development Funds Will Be Transferred To, Postgraduate, H.Kurtcebe(Student), 2016  
ALTIPARMAK BAYKOÇ F., Ulusal AR-GE fonlarının aktarılacağı öncelikli sektörlerin belirlenmesine yönelik bir model önerisi, Postgraduate, H.KURTCEBE(Student), 2016  
ALTIPARMAK BAYKOÇ F., Mathematical formulations and heuristic approaches for the heterogeneous vehicle routing problem with simultaneous pickup and delivery, Doctorate, B.KEÇECİ(Student), 2014  
ALTIPARMAK BAYKOÇ F., Gıda sektöründe dayanıklı ve bozulabilir ürünler için bütünleşik tedarik zinciri ağı tasarımı ve bir uygulama, Postgraduate, T.NUR(Student), 2010  
ALTIPARMAK BAYKOÇ F., Kuş sürüsü eniyileme algoritması ile güvenilir haberleşme şebeke tasarımı, Postgraduate, U.AKDAĞ(Student), 2010  
ALTIPARMAK BAYKOÇ F., Tedarikçi seçiminde analitik şebeke prosesi ve amaç programlama bütünleşik yaklaşımı: Türk Traktör ve Ziraat Makineleri A.Ş.'de bir uygulama, Postgraduate, İ.DOĞAN(Student), 2010  
ALTIPARMAK BAYKOÇ F., Eşzamanlı topla-dağıt araç rotalama problemi için sezgisel yaklaşımlar: Genetik algoritma ve kuş sürüsü eniyileme, Postgraduate, F.PINAR(Student), 2010  
ALTIPARMAK BAYKOÇ F., Dağıtım ağları tasarımında yer seçimi ve eşzamanlı topla-dağıt araç rotalama problemleri, Doctorate, İ.KARAOĞLAN(Student), 2009  
ALTIPARMAK BAYKOÇ F., Kapasitesiz tesis yeri seçimi problemi için karınca kolonisi en iyilemesi algoritmasına dayalı sezgisel bir yaklaşım, Postgraduate, E.ÇALIŞKAN(Student), 2008  
ALTIPARMAK BAYKOÇ F., HEURISTIC APPROACHES TO DESIGN OF COMMUNICATION NETWORKS: VARIABLE NEIGHBORHOOD SEARCH, PARTICLE SWARM OPTIMIZATION, ANT COLONY OPTIMIZATION, Postgraduate, Ö.BELGİN(Student), 2007  
ALTIPARMAK BAYKOÇ F., Derece kısıtlı minimum yayılan ağaç problemi için genetik algoritmalar, Postgraduate, H.SH.(Student), 2005  
ALTIPARMAK BAYKOÇ F., Akış tipi atölye sisteminde benzetim ile eniyileme: MAN Türkiye A.Ş.'de bir uygulama, Postgraduate, Y.GÜNDÜZ(Student), 2005

ALTIPARMAK BAYKOÇ F., İnşaat proje yönetimi: Bir baraj ve hidroelektrik santral projesi üzerine uygulama, Postgraduate, D.DİNÇ(Student), 2005  
ALTIPARMAK BAYKOÇ F., Katı roket yakıtlarında patlama ısısının yapay sinir ağı ile tahmini, Postgraduate, İ.GÜLTURAN(Student), 2005  
ALTIPARMAK BAYKOÇ F., Altı sigma proses iyileştirme tekniği ve bir uygulama, Postgraduate, M.YÜKSEL(Student), 2003  
ALTIPARMAK BAYKOÇ F., Genetik algoritma ile montaj hattı dengeleme, Postgraduate, S.ÇILKIN(Student), 2003

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An exact algorithm for Two-Echelon Location-Routing problem with simultaneous pickup and delivery**  
YILDIZ E. A., Karaoglan I., ALTIPARMAK BAYKOÇ F.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.231, 2023 (SCI-Expanded)
- II. **Mobile healthcare service planning in rural areas: A hybrid record to record travel algorithm**  
Akkus I, YILDIZ E. A., Karaoglan I., ALTIPARMAK BAYKOÇ F.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.39, no.1, pp.593-606, 2023 (SCI-Expanded)
- III. **The mixed fleet vehicle routing problem with partial recharging by multiple chargers: A formulation and an insertion based constructive heuristic**  
Dönmez S., Koç Ç., ALTIPARMAK BAYKOÇ F.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.39, no.1, 2023 (SCI-Expanded)
- IV. **The mixed fleet vehicle routing problem with partial recharging by multiple chargers: Mathematical model and adaptive large neighborhood search**  
Donmez S., KOÇ Ç., ALTIPARMAK BAYKOÇ F.  
TRANSPORTATION RESEARCH PART E-LOGISTICS AND TRANSPORTATION REVIEW, vol.167, 2022 (SCI-Expanded)
- V. **A MATHEMATICAL FORMULATION AND HEURISTIC APPROACH FOR THE HETEROGENEOUS FIXED FLEET VEHICLE ROUTING PROBLEM WITH SIMULTANEOUS PICKUP AND DELIVERY**  
KEÇECİ B., Altiparmak F., KARA İ.  
JOURNAL OF INDUSTRIAL AND MANAGEMENT OPTIMIZATION, vol.17, no.3, pp.1069-1100, 2021 (SCI-Expanded)
- VI. **A hyper heuristic for the green vehicle routing problem with simultaneous pickup and delivery**  
OLGUN B., KOÇ Ç., ALTIPARMAK BAYKOÇ F.  
COMPUTERS & INDUSTRIAL ENGINEERING, vol.153, 2021 (SCI-Expanded)
- VII. **A goal programming approach for multi objective, multi-trips and time window routing problem in home health care service**  
Dengiz A. O., ATALAY K. D., ALTIPARMAK BAYKOÇ F.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, no.4, pp.2167-2181, 2021 (SCI-Expanded)
- VIII. **Mathematical programming based heuristic approach for two-echelon vehicle routing problem with simultaneous pickup and delivery**  
Belgin O., Karaoglan I., ALTIPARMAK BAYKOÇ F.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, no.3, pp.1566-1579, 2021 (SCI-Expanded)
- IX. **İki Aşamalı Yer Seçimi ve Eş Zamanlı Topla Dağıt Araç Rotalama Problemi: Karışık Tam Sayılı Matematiksel Model ve Sezgisel Yaklaşım**  
YILDIZ E. A., KARAOĞLAN İ., ALTIPARMAK F.  
Journal Of The Faculty Of Engineering And Architecture Of Gazi University, vol.36, no.2, pp.807-822, 2021 (SCI-Expanded)
- X. **Two-echelon vehicle routing problem with simultaneous pickup and delivery: Mathematical model and heuristic approach**

Belgin O., KARAOĞLAN İ., ALTIPARMAK BAYKOÇ F.

COMPUTERS & INDUSTRIAL ENGINEERING, vol.115, pp.1-16, 2018 (SCI-Expanded)

- XI. **A memetic algorithm for the capacitated location-routing problem with mixed backhauls**  
KARAOĞLAN İ., ALTIPARMAK BAYKOÇ F.  
COMPUTERS & OPERATIONS RESEARCH, vol.55, pp.200-216, 2015 (SCI-Expanded)
- XII. **HETEROGENEOUS VEHICLE ROUTING PROBLEM WITH SIMULTANEOUS PICKUP AND DELIVERY: MATHEMATICAL FORMULATIONS AND A HEURISTIC ALGORITHM**  
KEÇECİ B., ALTIPARMAK BAYKOÇ F., KARA İ.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.30, no.2, pp.185-195, 2015 (SCI-Expanded)
- XIII. **New integer linear programming formulation for the traveling salesman problem with time windows: minimizing tour duration with waiting times**  
KARA İ., Koc O. N., ALTIPARMAK BAYKOÇ F., DENGİZ B.  
OPTIMIZATION, vol.62, no.10, pp.1309-1319, 2013 (SCI-Expanded)
- XIV. **A hybrid discrete particle swarm optimization for vehicle routing problem with simultaneous pickup and delivery**  
Goksal F. P., KARAOĞLAN İ., ALTIPARMAK BAYKOÇ F.  
COMPUTERS & INDUSTRIAL ENGINEERING, vol.65, no.1, pp.39-53, 2013 (SCI-Expanded)
- XV. **The location-routing problem with simultaneous pickup and delivery: Formulations and a heuristic approach**  
KARAOĞLAN İ., ALTIPARMAK BAYKOÇ F., KARA İ., DENGİZ B.  
OMEGA-INTERNATIONAL JOURNAL OF MANAGEMENT SCIENCE, vol.40, no.4, pp.465-477, 2012 (SCI-Expanded)
- XVI. **A branch and cut algorithm for the location-routing problem with simultaneous pickup and delivery**  
KARAOĞLAN İ., ALTIPARMAK BAYKOÇ F., KARA İ., DENGİZ B.  
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.211, no.2, pp.318-332, 2011 (SCI-Expanded)
- XVII. **Multi-objective optimization of a stochastic assembly line balancing: A hybrid simulated annealing algorithm**  
Cakir B., ALTIPARMAK BAYKOÇ F., DENGİZ B.  
COMPUTERS & INDUSTRIAL ENGINEERING, vol.60, no.3, pp.376-384, 2011 (SCI-Expanded)
- XVIII. **Design of reliable communication networks: A hybrid ant colony optimization algorithm**  
DENGİZ B., ALTIPARMAK BAYKOÇ F., Belgin O.  
IIE TRANSACTIONS, vol.42, no.4, pp.273-287, 2010 (SCI-Expanded)
- XIX. **A cross entropy approach to design of reliable networks**  
ALTIPARMAK BAYKOÇ F., DENGİZ B.  
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.199, no.2, pp.542-552, 2009 (SCI-Expanded)
- XX. **A General Neural Network Model for Estimating Telecommunications Network Reliability**  
Altiparmak F., DENGİZ B., Smith A. E.  
IEEE TRANSACTIONS ON RELIABILITY, vol.58, no.1, pp.2-9, 2009 (SCI-Expanded)
- XXI. **A steady-state genetic algorithm for multi-product supply chain network design**  
ALTIPARMAK BAYKOÇ F., Gen M., Lin L., KARAOĞLAN İ.  
COMPUTERS & INDUSTRIAL ENGINEERING, vol.56, no.2, pp.521-537, 2009 (SCI-Expanded)
- XXII. **An adaptive tabu-simulated annealing for concave cost transportation problems**  
Altiparmak F., Karaoglan I.  
JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY, vol.59, no.3, pp.331-341, 2008 (SCI-Expanded)
- XXIII. **Buffer allocation and performance modeling in asynchronous assembly system operations: An artificial neural network metamodeling approach**  
Altiparmak F., Dengiz B., Bulgak A. A.  
APPLIED SOFT COMPUTING, vol.7, no.3, pp.946-956, 2007 (SCI-Expanded)
- XXIV. **A genetic algorithm approach for multi-objective optimization of supply chain networks**  
Altiparmak F., Gen M., Lin L., Paksoy T.  
COMPUTERS & INDUSTRIAL ENGINEERING, vol.51, no.1, pp.196-215, 2006 (SCI-Expanded)

- XXV. **A genetic algorithm for two-stage transportation problem using priority-based encoding**  
Gen M., Altıparmak F., Lin L.  
OR SPECTRUM, vol.28, no.3, pp.337-354, 2006 (SCI-Expanded)
- XXVI. **Optimal Design of Reliable Computer Networks: A Comparison of Metaheuristics**  
Altıparmak F., Dengiz B., Smith A.  
Journal of Heuristics, vol.9, no.6, pp.471-487, 2003 (SCI-Expanded)
- XXVII. **A comparison of the performance of artificial intelligence techniques for optimizing the number of kanbans**  
Alabas C., Altıparmak F., Dengiz B.  
JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY, vol.53, no.8, pp.907-914, 2002 (SCI-Expanded)
- XXVIII. **Efficient optimization of all-terminal reliable networks, using an evolutionary approach**  
Dengiz B., Altıparmak F., Smith A.  
IEEE TRANSACTIONS ON RELIABILITY, vol.46, no.1, pp.18-26, 1997 (SCI-Expanded)

### Articles Published in Other Journals

- I. **A REVIEW OF COMPETITIVE FACILITY LOCATION PROBLEM**  
Olgun B., Koç Ç., Altıparmak Baykoç F.  
Verimlilik Dergisi, vol.2, pp.267-288, 2022 (Peer-Reviewed Journal)
- II. **A Mobile Healthcare Service Routing and Scheduling Problem in Rural Areas**  
AKKUŞ İ., YILDIZ E. A., KARAOĞLAN İ., ALTIPARMAK F.  
Lecture Notes on Data Engineering and Communications Technologies, 2021 (Peer-Reviewed Journal)

### Books & Book Chapters

- I. **Proceedings of the Fifteenth International Conference on Management Science and Engineering Management Volume 1**  
Xu J. (Editor), Marquez F. P. G. (Editor), Hassan M. H. A. (Editor), Duca G. (Editor), Hajiyev A. (Editor), Altıparmak Baykoç F. (Editor)  
Springer, London/Berlin , La-Chaux-De-Fonds, 2021
- II. **Proceedings of the Fifteenth International Conference on Management Science and Engineering Management Volume 2**  
Xu J. (Editor), Marquez F. P. G. (Editor), Hassan M. H. A. (Editor), Duca G. (Editor), Hajiyev A. (Editor), Altıparmak Baykoç F. (Editor)  
Springer, London/Berlin , La-Chaux-De-Fonds, 2021
- III. **A Mobile Healthcare Service Routing and Scheduling Problem in Rural Areas**  
AKKUŞ İ., YILDIZ E. A., KARAOĞLAN İ., ALTIPARMAK F.  
in: Lecture Notes on Data Engineering and Communications Technologies, Proceedings of the Fifteenth International Conference on Management Science and Engineering Management, ICMSEM 2021, Xu J., García Márquez F.P., Ali Hassan M.H., Duca G., Hajiyev A., Altıparmak F., Editor, Springer, pp.125-136, 2021
- IV. **Two echelon location routing problem with simultaneous pickup and delivery: mixed integer programming formulations and comparative analysis**  
YILDIZ E. A., KARAOĞLAN İ., ALTIPARMAK F.  
in: Lecture Notes on Computer Science, 7th International Conference on Computational Logistics,, Editor, Springer, pp.275-289, 2016

### Refereed Congress / Symposium Publications in Proceedings

- I. **Sürdürülebilir İki Aşamalı Eş Zamanlı Topla-Dağıt Araç Rotalama Problemi**  
YILDIZ E. A., ALTIPARMAK BAYKOÇ F.  
41. YÖNEYLEM ARAŞTIRMASI VE ENDÜSTRİ MÜHENDİSLİĞİ ULUSAL KONGRESİ, Denizli, Turkey, 26 October 2022
- II. **A Solution Approach based on Simulated Annealing Meta-Heuristic for the Quadratic Multiple Knapsack Problem**  
AKTAŞ POTUR E., ALTIPARMAK BAYKOÇ F., KABAK M.  
5th International Conference on Data Science and Applications, Muğla, Turkey, 07 September 2022, pp.38
- III. **A Mathematical Model for Multi-Objective Cargo Routing Problems with Balance Considerations**  
KURUMAK E., YILDIZ E. A., ALTIPARMAK BAYKOÇ F.  
20th annual International Logistics and Supply Chain Conference, İstanbul, Turkey, 20 October 2022
- IV. **A Study on Green Two Echelon Vehicle Routing Problem with Simultaneous Pickup and Delivery**  
YILDIZ E. A., ALTIPARMAK BAYKOÇ F.  
16th International Conference on Management Science and Engineering Management (ICMSEM), Ankara, Turkey, 3 - 06 August 2022, vol.144, pp.778-793
- V. **An Application of Mobile Healthcare Service Routing and Scheduling Problem in Ankara**  
Akkuş İ., Yıldız E. A., Karaoğlan İ., Altıparmak F.  
19th International Logistics and Supply Chain Congress (LMSCM), Gaziantep, Turkey, 21 October 2021
- VI. **A Mathematical Model for Multi-trip Home Health Care Routing Problem with Time Windows**  
Dengiz A. Ö., Altıparmak Baykoç F., Kara I., Atalay K. D., Karaoğlan I.  
2021 ICMSEM International Conference on Management Science and Engineering Management, Toledo, Spain, 2 - 03 August 2021, vol.1, pp.113-124
- VII. **A Mobile Healthcare Service Routing and Scheduling Problem in Rural Areas**  
Akkuş I., Yıldız E. A., Karaoğlan I., Altıparmak Baykoç F.  
ICMSEM 2021 International Conference on Management Science and Engineering Management, Toledo, Spain, 2 - 03 August 2021, vol.1, pp.125-136
- VIII. **Gezici Sağlık Hizmeti Veren Araçların Rotalanması Ve Hekim Çizelgeleme Problemi: Ankara İli Uygulaması**  
AKKUŞ İ., YILDIZ E. A., KARAOĞLAN İ., ALTIPARMAK F.  
YA/EM 40. Yöneylem Araştırması ve Endüstri Mühendisliği Kongresi, İstanbul, Turkey, 4 - 07 July 2021
- IX. **MOBILE HEALTHCARE SERVICE ROUTING AND SCHEDULING PROBLEM: A CASE STUDY IN ANKARA**  
AKKUŞ İ., YILDIZ E. A., KARAOĞLAN İ., ALTIPARMAK F.  
ISMSIT 2020 4th International Symposium on Multidisciplinary Studies and Innovative Technologies, Turkey, 22 - 24 October 2020
- X. **Multiple Service Home Health Care Routing and Scheduling Problem: A Mathematical Model**  
Dengiz A. O., ATALAY K. D., ALTIPARMAK BAYKOÇ F.  
10th International Conference on Applied Human Factors and Ergonomics (AHFE) / AHFE International Conference on Human Aspects of Advanced Manufacturing / AHFE International Conference on Advanced Production Management and Process Control (APMPC), Washington, Kiribati, 24 - 28 July 2019, vol.971, pp.289-298
- XI. **Multi Trip Vehicle Routing Problem for Home Health Care : A Mathematical Model**  
DENGİZ A. Ö., ATALAY K. D., ALTIPARMAK F.  
5th International Conference on Engineering Sciences, Ankara, Turkey, 15 September 2019
- XII. **A Hyper Heuristic Approach for Green Vehicle Routing Problem with Simultaneous Pickup and Delivery**  
OLGUN B., ALTIPARMAK F.  
IMSS'xx19 10th International Symposium on Intelligent Manufacturing and Service System, 9 - 11 September 2019, pp.887-896
- XIII. **İKİ AŞAMALI YER SEÇİMİ VE EŞ-ZAMANLI TOPLA DAĞIT ARAÇ ROTALAMA PROBLEMİ İÇİN MATEMATİKSEL MODEL VE KARMA SEZGİSEL ALGORİTMA**  
YILDIZ E. A., KARAOĞLAN İ., ALTIPARMAK F.  
YA/EM 39. Yöneylem Araştırması / Endüstri Mühendisliği Ulusal Kongresi, Ankara, Turkey, 12 - 14 June 2019

- XIV. **Evde Sağlık Hizmetleri için Çok Seyahatli Araç Rotalama Modeli**  
DENGİZ A. Ö., ATALAY K. D., ALTIPARMAK F.  
Yöneylem Araştırması ve Endüstri Mühendisliği 39. Ulusal Kongresi, Ankara, Turkey, 12 - 14 June 2019
- XV. **International Market Selection for Turkish Steel Sector Based on MCDM**  
BAYATA M., KABAK M., ALTIPARMAK F.  
4th International Iron and Steel Symposium, 4 - 06 April 2019
- XVI. **Heuristic Approach for Two-Echelon Vehicle Routing Problem with Simultaneous Pickup and Delivery**  
BELGİN Ö., KARAOĞLAN İ., ALTIPARMAK F.  
LMSCM 2018, Denizli, Turkey, 18 - 20 October 2018
- XVII. **An exact solution approach for two echelon location routing problem with simultaneous pickup and delivery**  
YILDIZ E. A., KARAOĞLAN İ., ALTIPARMAK F.  
16th International Logistics and Supply Chain Congress (LMSCM2018), 18 - 10 October 2018
- XVIII. **Home Health Care Routing Problem: Literature Review**  
DENGİZ A. Ö., ATALAY K. D., ALTIPARMAK F.  
12th NCM Conferences New Challenges in Industrial Engineering and Operations Management, Ankara, Turkey, 11 - 12 September 2018
- XIX. **An exact algorithm for two-echelon vehicle routing problem with simultaneous pickup and delivery**  
Belgin Ö., KARAOĞLAN İ., ALTIPARMAK F.  
15th International Logistics and Supply Chain Management Congress, 19 - 20 October 2017
- XX. **An Exact Algorithm for Two-Echelon Vehicle Routing Problem with Simultaneous Pickup and Delivery**  
BELGİN Ö., KARAOĞLAN İ., ALTIPARMAK F.  
LMSCM 2017, İstanbul, Turkey, 17 - 18 October 2017
- XXI. **Fuzzy Linear Regression Model For Estimation Of Carbon Emission For Light Duty Vehicles**  
DENGİZ A. Ö., ATALAY K. D., ALTIPARMAK F.  
5th International Fuzzy Systems Symposium, Ankara, Turkey, 14 - 15 October 2017
- XXII. **A Discrete Differential Evolution Algorithm for Stochastic Vehicle Routing Problem**  
DENGİZ B., GÜLTEPE A., ALTIPARMAK F., KARA İ.  
International Semposium for Production Research 2017, 13 - 15 September 2017
- XXIII. **A genetic algorithm for multi-objective vehicle routing problem with simultaneous pick-up and delivery**  
GÖKSAL F. P., ALTIPARMAK F.  
3rd International Researchers, Statisticians Congress, 24 - 26 May 2017
- XXIV. **Multi-objective Vehicle Routing Problem with simultaneous pick-up and delivery: preemptive goal programming and a heuristic algorithm**  
GÖKSAL F. P., ALTIPARMAK F.  
3rd International Researchers, Statisticians and Young Statisticians Congress, 24 - 26 May 2017
- XXV. **Two Echelon Location Routing Problem with Simultaneous Pickup and Delivery Mixed Integer Programming Formulations and Comparative Analysis**  
YILDIZ E. A., KARAOĞLAN İ., ALTIPARMAK F.  
7th International Conference on Computational Logistics, ICCL 2016, Lizbon, Portugal, 7 - 09 September 2016, pp.275-289
- XXVI. **A mathematical model for two echelon location routing problem with simultaneous pickup and delivery**  
YILDIZ E. A., KARAOĞLAN İ., ALTIPARMAK F.  
VeRoLog 2016: annual workshop of the EURO working group on Vehicle Routing and Logistics optimization, Nantes, France, 6 - 08 June 2016
- XXVII. **Bi objective optimization of vehicle routing problem for distribution of perishable food A goal programming approach**

YAPAR U., ALTIPARMAK F.

VeRoLog 2016: annual workshop of the EURO working group on Vehicle Routing and Logistics optimization, Nantes, France, 6 - 08 June 2016

**XXVIII. A Hybrid Constructive Mat heuristic Algorithm for The Heterogeneous Vehicle Routing Problem with Simultaneous Pick up and Delivery**

KEÇECİ B., ALTIPARMAK F., KARA İ.

The 16th European Conference on Evolutionary Computation in Combinatorial Optimisation, Porto, Portugal, 30 March - 01 April 2016, vol.9595, pp.1-17

**XXIX. Bi objective Optimization of Perishable Food Distribution A Heuristic Approach**

YAPAR U., ALTIPARMAK F.

The IRES 25th International Conference, İstanbul, Turkey, 24 January 2016, pp.39-42

**XXX. Two Echelon Vehicle Routing Problem with Simultaneous Pickup and Delivery Mathematical Model and Valid Inequalities**

Önder B., KARAOĞLAN İ., ALTIPARMAK F.

45th International Conference on Computers and Industrial Engineering, 28 - 30 October 2015

**XXXI. A Hybrid Simulated Annealing Algorithm for p Center Problem**

YILDIZ E. A., ALTIPARMAK F.

XII. International Logistics and Supply Chain Congress, 30 - 31 October 2014

**XXXII. AN ANT COLONY OPTIMIZATION ALGORITHM FOR THE UNCAPACITATED FACILITY LOCATION PROBLEM**

ALTIPARMAK BAYKOÇ F., ÇALIŞKAN E.

38th International Conference on Computers and Industrial Engineering, Beijing, China, 31 October - 02 November 2008, pp.553-560

**XXXIII. A hybrid ant colony optimization approach for the design of reliable networks**

DENGİZ B., ALTIPARMAK F., önder b.

2007 IEEE Congress on Evolutionary Computation, Singapore, Singapore, 25 - 28 September 2007, pp.1118-1125

**XXXIV. Reliability optimization of computer communication networks using genetic algorithms**

ALTIPARMAK F., DENGİZ B., alice e s.

1998 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS, VOLS 1-5, 25 - 28 September 2007, pp.4676-4681

**XXXV. A genetic ant colony optimization approach for concave cost transportation problems**

ALTIPARMAK F., KARAOĞLAN İ.

2007 IEEE Congress on Evolutionary Computation, Singapore, Singapore, 25 - 28 September 2007, pp.1685-1692

**XXXVI. The optimization of number of kanbans with genetic algorithms simulated annealing and tabu search**

ALABAŞ USLU Ç., ALTIPARMAK F., DENGİZ B.

PROCEEDINGS OF THE 2000 CONGRESS ON EVOLUTIONARY COMPUTATION, VOLS 1 AND 2, 16 - 19 July 2000, pp.580-585

**XXXVII. Genetic algorithm design of networks considering all terminal reliability**

DENGİZ B., ALTIPARMAK F., alice s.

6TH INDUSTRIAL ENGINEERING RESEARCH CONFERENCE PROCEEDINGS: (IERC), 17 - 18 May 1997, pp.30-35

## Supported Projects

ALTIPARMAK BAYKOÇ F., Project Supported by Higher Education Institutions, HABERLEŞME ŞEBEKELERİNİN TASARIMI, 2009 - 2010

Altıparmak Baykoç F., TUBITAK Project, Location-Routing Problem with Simultaneous Pickup and Delivery, 2007 - 2010

Altıparmak Baykoç F., Çalışkan E., Project Supported by Higher Education Institutions, 2008 - 2009

ALTIPARMAK BAYKOÇ F., Project Supported by Higher Education Institutions, Ulaştırma Şebekelerinin Tasarımı, 2006 - 2008

ALTIPARMAK BAYKOÇ F., Project Supported by Higher Education Institutions, Tam zamanında üretim sistemlerinde



bakım politikaları, 2002 - 2003

Smith A. E., Dengiz B., Altıparmak Baykoç F., Project Supported by Public Organizations in Other Countries, Design of Communications Networks Using Computational Intelligence and Woman in Engineering in the USA and Turkey (NSF Project), 1998 - 2002

Dengiz B., Altıparmak Baykoç F., Premiership, Topological Optimization of Communication Networks Using Neural Networks, 1996 - 1999

## **Activities in Scientific Journals**

INTERNATIONAL JOURNAL OF INTERNET MANUFACTURING AND SERVICES, Committee Member, 2021 - Continues

## **Tasks In Event Organizations**

Altıparmak Baykoç F., KABAK M., 16th International Conference on Management Science and Engineering Management, Scientific Congress, Ankara, Turkey, Ağustos 2022

## **Metrics**

Publication: 72

Citation (WoS): 1724

Citation (Scopus): 2256

H-Index (WoS): 17

H-Index (Scopus): 18

## **Congress and Symposium Activities**

16th International Conference on Management Science and Engineering Management, Invited Speaker, Ankara, Turkey, 2022

15th International Conference on Management Science and Engineering Management, Invited Speaker, Toledo, Spain, 2021

## **Scholarships**

Supply Chain Network Design, Official Institutions of Foreign Countries, 2003 - 2004

## **Non Academic Experience**

Waseda University (Japan)

University of Pittsburgh (USA)

University of Pittsburgh (USA)