Res. Asst. PhD AYKAN AKINCILAR

Personal Information

Email: aykan.akincilar@cbu.edu.tr
Web: https://avesis.mcbu.edu.tr/aykan.akincilar

International Researcher IDs
ScholarID: JBHKyBEAAAAJ
ORCID: 0000-0003-0664-2269
Publons / Web Of Science ResearcherID: C-5682-2013
ScopusID: 53879497600
Yoksis Researcher ID: 164406

Education

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 2011 - 2018
Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 2009 - 2011
Undergraduate, Gazi University, Mühendislik Fakültesi, Turkey 2005 - 2009

Dissertations

Doctorate, A new approach for robust scheduling in airline operations planning: robust aircraft routing, Gazi University, Fen Bilimleri Enstitüsü, 2018
Postgraduate, Tahmin yöntemlerinde yargısal faktörler için analitik ağ sürecinin kullanılabilirliği ve bir uygulama, Gazi University, Fen Bilimleri Enstitüsü, 2011

Academic Positions

Medical Doctor, Manisa Celal Bayar University, Mühendislik Ve Doğa Bilimleri Fakültesi, Endüstri Mühendisliği, 2018 - Present
Medical Doctor, University of Waterloo, Faculty of Engineering, Management Sciences, 2021 - 2022
Research Assistant, Gazi University, Mühendislik Fakültesi, 2012 - 2018
Research Assistant, Manisa Celal Bayar University, Mühendislik Ve Doğa Bilimleri Fakültesi, Endüstri Mühendisliği, 2012 - 2018

Courses

Undergraduate
Modern Topics in Industrial Engineering, Undergraduate, 2018 - 2019
end4107 Seminer, Undergraduate, 2019 - 2020, 2018 - 2019
Modern Heuristic Techniques, Undergraduate, 2018 - 2019
end4121 Endüstriyel sistem tasarımı I, Undergraduate, 2019 - 2020, 2018 - 2019
end4121 Endüstriyel sistem tasarımı I, Undergraduate, 2019 - 2020, 2018 - 2019
end4107 Seminer, Undergraduate, 2019 - 2020, 2018 - 2019
Modern Heuristic Techniques, Undergraduate, 2018 - 2019

Endüstriyel sistem tasarımı II, Undergraduate, 2018 - 2019
Introduction to Industrial Engineering, Undergraduate, 2018 - 2019
ind2107 Advanced computer programming, Undergraduate, 2019 - 2020, 2018 - 2019
Endüstriyel sistem tasarımı II, Undergraduate, 2018 - 2019
Sosyal Sorumluluk Projesi, Undergraduate, 2019 - 2020
Sosyal Sorumluluk Projesi, Undergraduate, 2019 - 2020
Modern Topics in Industrial Engineering, Undergraduate, 2018 - 2019
ind2107 Advanced computer programming, Undergraduate, 2019 - 2020, 2018 - 2019
Introduction to Industrial Engineering, Undergraduate, 2018 - 2019

Articles

I. **A new tool for robust aircraft routing: Superior Robust Aircraft Routing (sup-RAR)**
AKINCILAR A., GÜNER E.
Journal of Air Transport Management, vol.124, 2025 (SSCI, Scopus)

II. **A Methodology for Shuttle Scheduling in Airports That Ensures Mitigating Arriving Passenger Congestion under Uncertain Demand**
AKINCILAR A.
IEEE Intelligent Transportation Systems Magazine, vol.14, no.2, pp.105-114, 2022 (SCI-Expanded, Scopus)

III. **A new idea for ambulance location problem in an environment under uncertainty in both path and average speed: Absolutely robust planning**
AKINCILAR A., Akıncılar E.
Computers and Industrial Engineering, vol.137, 2019 (SCI-Expanded, Scopus)

IV. **A mathematical model for transporting the arriving passengers from the airport to the city centre**
AKINCILAR A.
Acta Physica Polonica A, vol.132, no.3, pp.1214-1216, 2017 (SCI-Expanded, Scopus)

V. **A hybrid multi-criteria decision making model to evaluate hotel websites**
AKINCILAR A., Dagdeviren M.
INTERNATIONAL JOURNAL OF HOSPITALITY MANAGEMENT, vol.36, pp.263-271, 2014 (SSCI, Scopus)

Books

I. **Do Judgmental Factors Lead to a Good Decision on Investing in a Currency or Mislead the Financial Player?: An Application in Turkey**
AKINCILAR A.
in: Tools and Techniques for Economic Decision Analysis, Jelena Stanković (University of Niš, Serbia), Pavlos Delias (Eastern Macedonia and Thrace Institute of Technology, Greece), Srđan Marinković (University of Niš, Serbia) and Sylvie Rochhia (Université Côte d'Azur, CNRS, GREDEG, France), Editor, IGI Global, PA, pp.43-62, 2017

II. **A specific issue on sustainability of transportation planning in an urban region: Ambulance location problem**
AKINCILAR A., AKINCILAR E.
in: Engineering Tools and Solutions for Sustainable Transportation Planning, Hermann Knoflacher (Vienna University of Technology, Austria) and Ebru V. Ocalir-Akunal (Gazi University, Turkey), Editor, IGI Global, PA, pp.303-316, 2017

Papers Presented at Peer-Reviewed Scientific Conferences

I. **How robust are those schedules?**

AKINCILAR A.
URO XXIX, the 29th European Conference on Operational Research, Valencia, Spain, 8 - 11 July 2018, (Summary Text)

II. **A Mathematical Model for Ambulance Location Problem: A case Study in Ankara**
AKINCILAR A., AKINCILAR E.
the 4th international conference on computational and experimental science and engineering, Antalya, Turkey, 4 - 08 October 2017, (Summary Text)

III. **What factors should be considered in location planning of ground ambulance centers?**
AKINCILAR A., AKINCILAR E.
the 4th international conference on computational and experimental science and engineering (ICCESEN'xx17), Antalya, Turkey, 4 - 08 October 2017, (Summary Text)

IV. **Is profitability the only one factor affecting decision on investment in exchange rates?**
AKINCILAR A., GÜNER E.
the 30th International Conference on Management, Economics Social Science (ICMESS2017), Roma, Italy, 21 - 22 May 2017, (Summary Text)

V. **Robust planning for shuttle scheduling in the airport**
AKINCILAR A., GÜNER E.
EURO/ORSC/ECCO Conference 2017 on Conbinatorial Optimization (ECCO XXX), Koper, Slovenia, 3 - 06 May 2017, (Summary Text)

VI. **An approach to forecast the number of domestic and international passengers in an airport**
AKINCILAR A., GÜNER E.
ICCESEN'16 | the 3rd International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 19 - 24 October 2016, (Summary Text)

VII. **A mathematical model for transporting arrived passengers from airport to city center**
AKINCILAR A.
ICCESEN'16 | the 3rd International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 19 - 24 October 2016, (Summary Text)

VIII. **Determining Priorities of the Factors Affecting Quality in Vocational Education**
AKINCILAR A., GÜNER E.
ISVET'16 | International Symposium on Post-Secondary Vocational Education and Training, Çorum, Turkey, 12 - 15 October 2016, (Summary Text)

IX. **An ANP model for evaluating mobile applications of banks**
AKINCILAR A., GÜNER E.
IMISC'16 | the 4th International Management Information Systems Conference, İzmir, Turkey, 6 - 08 October 2016, (Full Text)

X. **Is the optimal plan in airline operations planning really optimal in practice**
AKINCILAR A., GÜNER E.
EURO XXVIII the 28th European Conference on Operational Research, Poznan, Poland, 3 - 06 July 2016, (Summary Text)

XI. **Recent developments in aircraft recovery problem a review of cornerstone models**
AKINCILAR A., GÜNER E.
EURO XXVII the 27th European Conference onOperational Research, Glasgow, England, 12 - 15 July 2015, (Summary Text)

XII. **A decision support system for exchange rate selection problem and an application in Turkey**
AKINCILAR A., ŞAHİN E., GÜNER E.
EURO XXVI the 26th European Conference on Operational Research, Roma, Italy, 1 - 04 July 2013, (Summary Text)

Funded Projects

Akincilar A., Technopark, Smart Optimization for Airline Recovery and Resilience , 2025 - 2027

Akincilar A., TUBITAK Project, 1512 - Progressive Support Program for Entrepreneurship, Havayolu Firmalarının Operasyonel Aksaklıklara Karşı Güçlendirilmesi, 2024 - 2025
Akincilar A., TUBITAK Project, 2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, Robust Hub Location and Network Design in Airline Operations Planning, 2021 - 2021

Peer Reviews in Scientific Publications

Other journals, January 2017
COMPUTERS & INDUSTRIAL ENGINEERING, Other journals, January 2016
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, Other journals, January 2016
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Other journals, January 2016
TOURISM MANAGEMENT, Other journals, January 2016

Metrics

Publication: 19
Citation (WoS): 112
Citation (Scopus): 161
H-Index (WoS): 3
H-Index (Scopus): 5

Non Academic Experience

Company, PALLAS YAZILIM VE DANIŞMANLIK AŞ, Yönetim Kurulu, CEO