

Assoc. Prof. Gülşah Hançerlioğulları Köksalmış

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Old Dominion University, Mühendislik Yönetimi Ve Sistem Mühendisliği, United States Of America 2010 - 2013

Postgraduate, Ihsan Dogramaci Bilkent University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2008 - 2010

Undergraduate, Ihsan Dogramaci Bilkent University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2004 - 2008

Undergraduate, Ihsan Dogramaci Bilkent University, İngiliz Dili Vocational School, Department Of Prep Class, Turkey 2003 - 2004

Foreign Languages

English

Dissertations

Doctorate, Approximate algorithms for the combined arrival-departure aircraft sequencing and reactive scheduling problems on multiple runways, Old Dominion University, Mühendislik Yönetimi Ve Sistem Mühendisliği, 2013

Postgraduate, Sales forecast inaccuracy and inventory turnover performance: An empirical analysis of U.S. retail sector, İhsan Doğramacı Bilkent Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2010

Research Areas

Technical Sciences, Industrial Engineering

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, İşletme, Endüstri Mühendisliği, 2021 - Continues

Assistant Professor, Istanbul Technical University, İşletme, Endüstri Mühendisliği, 2018 - 2021

Assistant Professor, Istanbul Technical University, İşletme, Endüstri Mühendisliği, 2016 - 2018

Assistant Professor, Istanbul Bilgi University, Faculty Of Engineering And Natural Sciences, Department Of Industrial Engineering, 2014 - 2016

Research Assistant, University of Southampton, School Of Managament, Cormsis Centre Of Operational Research, Management Science And Information Systems, 2013 - 2014

Lecturer PhD, Old Dominion University, Frank Batten College Of Engineering And Technology, Engineering Management And Systems Engineering, 2010 - 2013

Research Assistant, Old Dominion University, Frank Batten College Of Engineering And Technology, Engineering Management And Systems Engineering, 2010 - 2013

Lecturer PhD, Ihsan Dogramaci Bilkent University, Faculty Of Engineering, Department Of Industrial Engineering, 2008 - 2010

Research Assistant, Ihsan Dogramaci Bilkent University, Faculty Of Engineering, Department Of Industrial Engineering, 2008 - 2010

Courses

Advanced Topics in Scheduling, Doctorate, 2016 - 2017

Database Management Systems, Undergraduate, 2016 - 2017

Bitirme, Undergraduate, 2016 - 2017

5 Danışmanlık, Postgraduate, 2016 - 2017

Industrial Engineering Project, Undergraduate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An Empirical Evaluation of a Modified Technology Acceptance Model for SAP ERP System**
Hançerlioğulları Köksalmış G., Damar S.
ENGINEERING MANAGEMENT JOURNAL, vol.34, no.2, pp.201-216, 2022 (SCI-Expanded)
- II. **The relative importance of factors influencing the surgeons' choice between mastectomy and breast-conserving surgery for women with breast cancer.**
Köksalmis G., Cetinguc B., Durucu M., Camgoz Akdag H., Gulluoglu B. M., Karanlik H., Sezer A., Calisir F.
Health care for women international, pp.1-10, 2021 (SSCI)
- III. **PROMOTING AN ENERGY SAVING TECHNOLOGY IN TURKEY: THE CASE OF GREEN ROOF SYSTEMS**
Hançerlioğulları Köksalmış G., Pamuk M.
ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, vol.20, no.5, pp.863-870, 2021 (SCI-Expanded)
- IV. **Drivers to adopting B-flow ultrasonography:contextualizing the integrated technology acceptance model**
Hançerlioğulları Köksalmış G.
BMC MEDICAL IMAGING, vol.19, 2019 (SCI-Expanded)
- V. **The use of multi-criteria decision making models in evaluating anesthesia method options in circumcision surgery**
Hancerliogullari G., Hancerliogullari K. O., KOKSALMIS E.
BMC MEDICAL INFORMATICS AND DECISION MAKING, vol.17, 2017 (SCI-Expanded)
- VI. **Competitive strategies, innovation, and firm performance: an empirical study in a developing economy environment**
Bayraktar C. A., Hancerliogullari G., CETINGUC B., CALISIR F.
TECHNOLOGY ANALYSIS & STRATEGIC MANAGEMENT, vol.29, no.1, pp.38-52, 2017 (SSCI)
- VII. **Demand Uncertainty and Inventory Turnover Performance An Empirical Analysis of the U S Retail Industry**
HANÇERLİOĞULLARI G., ŞEN A., AĞCA AKTUNÇ E.
International Journal Of Physical Distribution & Logistics Management, vol.46, 2016 (SSCI)
- VIII. **Is B-Flow USG superior to Color Doppler USG for evaluating blood flow patterns in ovarian torsion?**
Hancerliogullari K. O., SOYER T., Tosun A., Hancerliogullari G.

JOURNAL OF PEDIATRIC SURGERY, vol.50, no.7, pp.1156-1161, 2015 (SCI-Expanded)

- IX. **Greedy algorithms and metaheuristics for a multiple runway combined arrival-departure aircraft sequencing problem**

Hancerliogullari G., Rabadi G., AL-SALEM A. H., KHARBECHÉ M.

JOURNAL OF AIR TRANSPORT MANAGEMENT, vol.32, pp.39-48, 2013 (SSCI)

Articles Published in Other Journals

- I. **Medical decision making: Selection of the appropriate surgical mode for undescended testicle treatment**
Hançerlioğulları Köksalınış G., Hancerliogullari K. O., Cetinguc B., Durucu M., Çalıřır F.
JOURNAL OF MULTI-CRITERIA DECISION ANALYSIS, vol.26, pp.145-151, 2019 (ESCI)
- II. **MİLENYUM ÇAĞINDA ENVANTER VERİMLİLİĞİNİN FİRMA PERFORMANSINA ETKİSİ: ÜRETİM SEKTÖRÜ AMPİRİK ANALİZİ**
HANÇERLİÖĞULLARI G., Yılmaz Ö.
Verimlilik Dergisi, no.3, pp.57-81, 2019 (Peer-Reviewed Journal)
- III. **A Modified Technology Acceptance Model to Analyze the Usage of Internet-Based Education Tool in Primary Schools in Libya**
Abugharsa M., HANÇERLİÖĞULLARI G., Tokeser Ü.
Australian Journal of Basic and Applied Sciences, 2019 (Peer-Reviewed Journal)
- IV. **Operations Management Perspectives in the AirTransport Management**
HANÇERLİÖĞULLARI G.
Journal of Business Administration Research, 2018 (Peer-Reviewed Journal)
- V. **Selecting an MRI System: A Multi Criteria Decision Making Model for MRI Technicians**
Hançerlioğulları G., Çalıřır C., Durucu M., Çalıřır F.
International Journal of Business Analytics, vol.5, pp.22-32, 2018 (ESCI)
- VI. **Factors Affecting Selection of Elective Courses:The Use of Multi-Criteria Decision Making Model**
HANÇERLİÖĞULLARI G.
JOURNAL OF BUSINESS ADMINISTRATION RESEARCH, 2018 (Peer-Reviewed Journal)
- VII. **Factors affecting the usability of laboratory information system used in Libyan Hospitals by using technology acceptance model (TAM)**
RABHA S. M. M., HANÇERLİÖĞULLARI G., HANÇERLİÖĞULLARI A.
Australian Journal of Basic and Applied Sciences, 2018 (Peer-Reviewed Journal)
- VIII. **Additive Manufacturing Technologies and Applications**
Beyca Ö. F., Hançerlioğulları Köksalınış G., Yazıcı İ.
INDUSTRY 4.0: MANAGING THE DIGITAL TRANSFORMATION, pp.217-234, 2018 (Peer-Reviewed Journal)
- IX. **AERONAUTICS AND SPACE TECHNOLOGIES' INVENTORY EFFICIENCY, INVENTORY PRODUCTIVITY AND INVENTORY RESPONSIVENESS VS. FINANCIAL PERFORMANCE**
HANÇERLİÖĞULLARI G.
Journal of Aeronautics Space Technologies, vol.11, pp.65-74, 2018 (Peer-Reviewed Journal)
- X. **Comparison of Design Gmrt Wind Turbine Plant Effectively with other Power Wind**
Hancerliogullari A., ŞENER Y. A., Unal S., Karadeniz M., Hancerliogullari G., Kurnaz A., Cetiner M. A., Ashufat S. A., Madee Y. G. A., Karatay S.
KASTAMONU UNIVERSITY JOURNAL OF FORESTRY FACULTY, vol.17, no.1, pp.69-79, 2017 (ESCI)
- XI. **Heuristics and Simulated Annealing Algorithm for the Surgical Scheduling Problem**
Hancerliogullari G., Koksalmis E., Hancerliogullari K. O.
HEURISTICS, METAHEURISTICS AND APPROXIMATE METHODS IN PLANNING AND SCHEDULING, vol.236, pp.225-241, 2016 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Student consumers'xx decision-making process**
KÖKSALMIŞ E., HANÇERLİOĞULLARI G.
EURO 2018, Valencia, Spain, 8 - 11 July 2018
- II. **Kurumsal Kaynak Planlamas Sistemlerinin GercekKullanmn Etkileyen Faktörler: GenisletilmisTeknoloji Kabul Model**
HANÇERLİOĞULLARI G., DAMAR S.
YAEM 2018, Eskişehir, Turkey, 26 - 29 June 2018
- III. **Exploring the Adoption of ERP Systems: An EmpiricalInvestigation on End-Users in an Emerging Country**
HANÇERLİOĞULLARI G., DAMAR S.
Global Joint Conference on Industrial Engineering and Its Application Areas (GJCIE) 2018, Nevşehir, Turkey, 21 - 22 June 2018
- IV. **Factors Affecting Intention to Use Big Data Tools: AnExtended Technology Acceptance Model**
OKÇU S., HANÇERLİOĞULLARI G., basak e., ÇALIŞIR F.
Global Joint Conference on Industrial Engineering and Its Application Areas 2018, Nevşehir, Turkey, 21 - 22 June 2018
- V. **Multi-Criteria Decision Making for Selection of Elective Courses**
HANÇERLİOĞULLARI G., KÖKSALMIŞ E.
IISE 2018, ORLANDO, United States Of America, 19 - 22 May 2018
- VI. **Effects of Inventory Efficiency, Productivity and Responsiveness on Operational Performance**
HANÇERLİOĞULLARI G., KOKSALMIS E.
INFORMS 2017 Annual Conference, Houston, United States Of America, 21 - 25 October 2017
- VII. **Radiologists' Perspective on the Importance of Factors for MRI System Selection**
Hançerlioğulları Köksalmış G., ÇALIŞIR C., Durucu M., Çalışır F.
Global Joint Conference on Industrial Engineering and Its Application Areas (GJCIE), Vienna, Austria, 20 - 21 July 2017, pp.239-250
- VIII. **RADIOLOGISTS' PERSPECTIVE ONTHE IMPORTANCE OF FACTORS FOR MRI SYSTEM SELECTION**
HANÇERLİOĞULLARI G., ÇALIŞIR C., DURUCU M., ÇALIŞIR F.
GLOBAL JOINT CONFERENCE ON INDUSTRIAL ENGINEERINGANDITS APPLICATION AREAS GJCIE – 2017, VİYANA, Austria, 20 - 21 July 2017
- IX. **How does inventory performance affect operational performance? An example from US space vehicles and aircraft parts industries**
HANÇERLİOĞULLARI G., KOKSALMIS E., ÇALIŞIR F.
2017 8th International Conference on Recent Advances in Space Technologies (RAST), 19 - 22 June 2017, pp.291-294
- X. **A Course Timetabling Problem in a University**
HANÇERLİOĞULLARI G., KOKSALMIS E., PEHLİVAN Ö.
INFORMS 2016 Annual Conference, NASHVILLE, United States Of America, 13 - 16 November 2016
- XI. **Nekrotizan enterekolitte doku sertliğini ölçen elastografinin yeri var mıdır**
HANÇERLİOĞULLARI K. Ö., TOSUN A., HANÇERLİOĞULLARI G., SOYER T.
34. ulusal çocuk cerrahisi kongresi, Girne, Cyprus (Kktc), 26 - 30 October 2016
- XII. **A timetabling approach Optimal exam schedule in a university**
HANÇERLİOĞULLARI G., MIRAY G., ONUR A., KOKSALMIS E.
Global Joint Conference on Industrial Engineering and Its Application Areas, İstanbul, Turkey, 14 - 15 July 2016, pp.109-115
- XIII. **Analysis of a decision making method A circumcision surgery procedure as a model**
HANÇERLİOĞULLARI G., HANÇERLİOĞULLARI K. Ö., KOKSALMIS E.
IIE Annual Conference and Expo 2016, ANAHEIM, United States Of America, 21 - 24 May 2016
- XIV. **Linking Inventory Management Performance and Operational Performance An Empirical Analysis of**

U S Fashion Apparel and Accessory Industries

ÇALIŞIR F., HANÇERLİOĞULLARI G.

IT4Fashion 2016, Florence, Italy, 20 - 22 April 2016

- XV. **Linking Inventory Management Performance and Operational Performance: An Empirical Analysis of US Fashion Apparel and Accessory Industries**
Çalışır F., Hançerlioğulları Köksalmış G.
6th Conference on Business Models and ICT Technologies for the Fashion Supply Chain (IT4Fashion), Florence, Italy, 20 - 22 April 2016, vol.413, pp.153-161
- XVI. **Airport Site Selection Using Analytical Hierarchy Process and Data Envelopment Analysis**
HANÇERLİOĞULLARI G., KOKSALMIS E.
2015 INFORMS Annual Meeting, PHILADELPHIA, United States Of America, 1 - 04 November 2015
- XVII. **The Evaluation of Testis Tissue by Elastography in Experimental Testis Torsion**
HANÇERLİOĞULLARI K. Ö., TOSUN A., HANÇERLİOĞULLARI G., SOYER T.
33rd Annual Congress of the Turkish Association of Pediatric Surgeon, Antalya, Turkey, 28 - 31 October 2015
- XVIII. **Taleplerdeki Belirsizlik Envanter Dönüş Hızını Nasıl Etkiler Amerika Birleşik Devletleri Perakende Sektörü Analizi**
HANÇERLİOĞULLARI G., ŞEN A., AĞCA AKTUNÇ E.
Yöneylem Araştırması ve Endüstri Mühendisliği (YAEM) 35. Ulusal Kongresi, Ankara, Turkey, 9 - 11 September 2015
- XIX. **How to Assign Fleet Types to Flight Legs A Case Study in Turkey**
HANÇERLİOĞULLARI G., KOKSALMIS E., TOKATLIOGLU B.
2nd Global Conference on Engineering and Technology Management 2015, CHICAGO, United States Of America, 4 - 05 September 2015, pp.101-105
- XX. **A Design of Experiment and Simulation Experience in a Health Care System**
HANÇERLİOĞULLARI G., HANÇERLİOĞULLARI K. Ö., KANDEMİR C., DARIO E.
2nd Global Conference on Engineering and Technology Management 2015, CHICAGO, United States Of America, 4 - 05 September 2015, pp.107-111
- XXI. **Health System Design Optimization Using Taguchi Methods A Necrotizing Enterocolitis Model**
HANÇERLİOĞULLARI G., KOKSALMIS E.
2014 INFORMS Annual Meeting, San-Francisco, United States Of America, 9 - 12 November 2014
- XXII. **An Integration of Fatigue Risk Management into Crew Scheduling**
HANÇERLİOĞULLARI G., KOKSALMIS E.
2014 INFORMS Annual Meeting, San-Francisco, United States Of America, 9 - 12 November 2014
- XXIII. **Implementation of Quality Function Deployment as a Strategic Planning Tool for the Department of Industrial Engineering at Istanbul Bilgi University**
DÜZGİT Z., HANÇERLİOĞULLARI G., TOY A. Ö.
Yöneylem Araştırması ve Endüstri Mühendisliği (YAEM) 34. Ulusal Kongresi, Bursa, Turkey, 25 - 27 June 2014
- XXIV. **How to Schedule Surgical Operations into Operating Rooms An Application in Turkey**
KOKSALMIS E., HANÇERLİOĞULLARI K. Ö., HANÇERLİOĞULLARI G.
IIE Annual Conference and Expo 2014, Montreal, Canada, 31 May - 04 June 2014, pp.1139-1148
- XXV. **Parallel Machine Scheduling Problem with Unequal Ready Times Due Dates Deadlines and Setup Times**
HANÇERLİOĞULLARI G., KOKSALMIS E.
2013 INFORMS Annual Meeting, MINNEAPOLIS, United States Of America, 6 - 09 October 2013
- XXVI. **Rescheduling of Runway Operations Development of Heuristic Procedures**
HANÇERLİOĞULLARI G., RABADI G.
IIE Annual Conference and Expo 2013, SAN JUAN, PORTO RIKO, ABD KÜÇÜK OUT. ADALARI, 18 - 22 May 2013
- XXVII. **Approximate Algorithms for Combined Aircraft Sequencing and Rescheduling Problem on Multiple Runways**
HANÇERLİOĞULLARI G.
2013 Graduate Research Achievement Day by Old Dominion University, NORFOLK, United States Of America, 11

April 2013

XXVIII. Aircraft Scheduling on Multiple Runways

RABADI G., GHONIEM A., AL SALEM A., KHARBECHÉ M., HANÇERLİOĞULLARI G., SHAHRESTANAKI F.
Qatar Foundation Annual Research Forum Proceedings, 21 - 23 October 2012

XXIX. Heuristic Algorithms for Aircraft Sequencing Problem

HANÇERLİOĞULLARI G., GHAI TH R., AMEER A. S., KHRBECHÉ M.

33rd International Annual Conference of the American Society for Engineering Management, VIRGINIA BEACH, United States Of America, 17 - 20 October 2012, pp.773-779

XXX. Approximate Algorithms for Aircraft Rescheduling Problems Under Operation Disruptions

HANÇERLİOĞULLARI G., RABADI G.

2012 INFORMS Annual Meeting, PHOENIX, United States Of America, 14 - 17 October 2012

XXXI. Meta Heuristics for Aircraft Arrival and Departure Scheduling on Multiple Runways

RABADI G., HANÇERLİOĞULLARI G., KHARBECHÉ M., ALSALEM A.

IIE Annual Conference and Expo 2012, 19 - 23 May 2012, pp.1235-1242

XXXII. Sales Forecast Inaccuracy and Inventory Turnover Performance An Empirical Analysis of U S Retail Sector

HANÇERLİOĞULLARI G., ŞEN A., AĞCA AKTUNÇ E.

2011 INFORMS Annual Meeting, Charlottetown, United States Of America, 13 - 16 November 2011

XXXIII. Approximate Algorithms for Aircraft Arrival and Departure Scheduling over Multiple Runways

HANÇERLİOĞULLARI G., RABADI G., AL SALEM A.

2011 INFORMS Annual Meeting, Charlottetown, United States Of America, 13 - 16 November 2011

Supported Projects

Hançerlioğulları Köksal mış G., Project Supported by Higher Education Institutions, Bir Karar Verme Yöntemi Analizi: Sirkumsizyon Ameliyatı Örneği, 2016 - 2018

Metrics

Publication: 60

Citation (WoS): 81

Citation (Scopus): 88

H-Index (WoS): 4

H-Index (Scopus): 4

Non Academic Experience

University of Southampton

Arçelik Bulaşık Makinesi İşletmesi

HAVELSAN

TAI