Asst. Prof. Halit Alper TAYALI



Personal Information

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International Researcher IDs
ScholarID: f1PPbDEAAAAJ
ORCID: 0000-0002-2098-6482
Publons / Web Of Science ResearcherID: S-3294-2019
ScopusID: 57195774672
Yoksis Researcher ID: 145024

Education Information

Doctorate, Istanbul University, School Of Business, Sayısal Yöntemler, Turkey 2012 - 2016
Postgraduate, Esc Rennes, "Business Administration", "Operations And Finance", France 2012 - 2012
Postgraduate, Istanbul University, School Of Business, Üretim Yönetimi, Turkey 2009 - 2012
Undergraduate, Koc University, "College Of Administrative Sciences And Economics", "Business Administration", Turkey 2000 - 2004

Dissertations

Doctorate, İstatistiksel varyans prosedürü ile bütünleşik analitik hiyerarşi prosesi: Çok kriterli kuruluş yeri seçiminde bir uygulama, Istanbul University, School of Business, Sayısal Yöntemler, 2016
Postgraduate, Düşük hacimli iş atölyelerinde zaman pencereli üretim çizelgesinin optimizasyonu, Istanbul University, School of Business, Üretim, 2012

Research Areas

Operational Research, Statistics, Production Management, Quantitative Methods, Quality and Production Management, Production and Service Systems, Computer Learning, Stochastic Modeling, Optimization Theory and Methods, Simulation, Production Planning and Control, Decision Support Systems

Academic Titles / Tasks

Assistant Professor, Istanbul University, School of Business, Department of Business Administration, 2018 - Continues
Assistant Professor, Istanbul University, School of Business, Department of Business Administration, 2018 - 2018

Research Assistant PhD, Istanbul University, School of Business, Department of Business Administration, 2016 - 2018
Research Assistant, Istanbul University, School of Business, Department of Business Administration, 2012 - 2016

Academic and Administrative Experience

Accreditation steering committee, Istanbul University, School Of Business, Department of Business Administration, 2022 - Continues
Öğrenim ve öğretimde güvence kurulu, Istanbul University, School Of Business, Department of Business Administration, 2020 - Continues
Erasmus komisyonu -gelen öğrenci, Istanbul University, School Of Business, Department of Business Administration, 2012 - 2018

Courses

Seminer, Doctorate, 2018 - 2019
Uygulamalı optimizasyon, Postgraduate, 2019 - 2020, 2018 - 2019
Üretim ve ekonomi, Undergraduate, 2019 - 2020, 2018 - 2019
Lojistik sistemlerde modelleme, Postgraduate, 2018 - 2019
Benzetim teknikleri, Postgraduate, 2018 - 2019
Production theory, Undergraduate, 2018 - 2019
Lojistik sistemlerde modelleme, Postgraduate, 2018 - 2019
Production management, Undergraduate, 2017 - 2018
Seminer, Postgraduate, 2018 - 2019
Üretim ve operasyon yönetimi, Postgraduate, 2017 - 2018
Üretim teorisi, Undergraduate, 2018 - 2019
Tedarik zincirinde optimizasyon, Postgraduate, 2017 - 2018

Jury Memberships

Post Graduate, Post Graduate, İstanbul Üniversitesi, December, 2021
Doctorate, Doctorate, İstanbul Üniversitesi, December, 2018
Doctorate, Doctorate, İstanbul Üniversitesi, December, 2018

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Dimension reduction in mean-variance portfolio optimization**
Tayali H. A., Tolun S.
EXPERT SYSTEMS WITH APPLICATIONS, vol.92, pp.161-169, 2018 (SCI-Expanded)

Articles Published in Other Journals

I. **Ranking with Statistical Variance Procedure based Analytic Hierarchy Process**
Tayalı H. A., Timor M.
Acta INFOLOGICA, vol.1, no.1, pp.31-38, 2017 (Peer-Reviewed Journal)
II. **Tedarikçi Seçiminde WASPAS Yöntemi**
TAYALI H. A.
Asos Journal, vol.5, no.47, pp.368-380, 2017 (Peer-Reviewed Journal)

III. **İstatistiksel Varyans Prosedürü Temelli Analitik Hiyerarşi Prosesi ile Sıralama**
TAYALI H. A., TİMOR M.
Acta INFOLOGICA, vol.1, no.1, pp.31-38, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Introduction to mathematical models in operations planning**
TAYALI H. A.
CRC Press, Boca Raton, 2023

II. **A Novel Web-Based Decision Support System for Aggregate Production Planning Problem,**
Tayalı H. A.
in: Advanced Perspectives on Global Industry Transitions and Business Opportunities, Fanny Saruchera, Editor, IGI Global, Pennsylvania, pp.135-153, 2021

III. **Manufacturing Scheduling Strategy for Digital Enterprise Transformation**
Tayalı H. A.
in: Emerging Challenges, Solutions, and Best Practices for Digital Enterprise Transformation, Kamaljeet Sandhu, Editor, IGI Global, Pennsylvania, pp.104-119, 2021

IV. **Demand Forecasting Models With Time Series and Random Forest**
Tayalı H. A.
in: Driving Innovation and Productivity Through Sustainable Automation, Ardavan Amini,Stephen Bushell,Arshad Mahmood, Editor, IGI Global, Pennsylvania, pp.76-99, 2021

V. **Manufacturing Scheduling Strategy for Digital Enterprise Transformation**
TAYALI H. A.
in: Emerging Challenges, Solutions, and Best Practices for Digital Enterprise Transformation, Sandhu, Kamaljeet, Editor, IGI Global, Pennsylvania, pp.104-119, 2021

VI. **Demand Forecasting Models With Time Series and Random Forest**
TAYALI H. A.
in: Driving Innovation and Productivity Through Sustainable Automation, Amini, Ardavan; Bushell, Stephen; Mahmood, Arshad, Editor, IGI Global, Pennsylvania, pp.76-99, 2021

VII. **A Novel Web-Based Decision Support System for Aggregate Production Planning Problem**
TAYALI H. A.
in: Advanced Perspectives on Global Industry Transitions and Business Opportunities, Saruchera, Fanny, Editor, IGI Global, Pennsylvania, pp.135-153, 2021

VIII. **Data Mining for Multicriteria Single Facility Location Problems**
TOLUN S., TAYALI H. A.
in: Intelligent Techniques for Data Analysis in Diverse Settings, Çelebi N., Editor, Igı Global Publications, Hershey, Pa, pp.147-170, 2016

IX. **Data Mining for Multicriteria Single Facility Location Problems**
TOLUN S., TAYALI H. A.
in: Intelligent Techniques for Data Analysis in Diverse Settings, Dr. NUMAN ÇELEBİ, Editor, IGI GLOBAL, pp.147-170, 2016

X. **Orta Çağda Akdeniz'de Deniz Güçlerinin İncelenmesi**
Hatipoğlu H. N., TAYALI H. A.
Türk Deniz Kuvvetleri Komutanlığı, İstanbul, 2005

Refereed Congress / Symposium Publications in Proceedings

I. **Üretimdeki işlemler ve toplam faktör verimliliği**
TAYALI H. A.

7th International Researchers, Statisticians, and Young Statisticians Congress, İstanbul, Turkey, 02 November 2023

II. **A literature review on production scheduling with the drum-buffer-rope technique**
TAYALI H. A.
Uluslararası Katılımlı 16. Üretim Araştırmaları Sempozyumu, İstanbul, Turkey, 12 - 14 October 2016, pp.1085-1090

III. **Dimension Reduction in Optimal Portfolio Selection Problem Using Nonnegative Matrix Factorization and Nonnegative Principal Components Analysis**
TAYALI H. A., TOLUN S.
International Conference on Information Complexity and Statistical Modeling in High Dimensions with Applications (IC-SMHD-2016), 18 - 21 May 2016

IV. **Transformation of job shop to flow shop in an era of global crises**
AKÇAY KASAPOĞLU Ö., TAYALI H. A.
X. International Logistics & Supply Chain Congress, İstanbul, Turkey, 8 - 09 November 2012

Other Publications

I. **Tasarrufi Yaklaşım**
TAYALI H. A.
Other, pp.10-11, 2010

Expert Reports

I. **Hakemlik raporu, makale: "Enerji Sektöründe WASPAS Yöntemiyle Performans Analizi"**
TAYALI H. A.
2019

II. **Review for the book chapter titled "Heuristic Optimization Based Clustering Solution For Large Facility Location Problems"**
TAYALI H. A.
2015

Supported Projects

Tolun Tayalı S., Tayalı H. A., Project Supported by Other Official Institutions, Makine öğrenmesi ile web tabanlı finansal portföy optimizasyonu yazılımı, 2019 - 2021
Tolun Tayalı S., Tayalı H. A., TUBITAK Project, Web Tabanlı Finansal Portföy Optimizasyon Yazılımı, 2018 - 2019
TİMOR M., TAYALI H. A., Project Supported by Higher Education Institutions, KURULUŞ YERİ SEÇİMİ OPTİMİZASYONU, 2014 - 2016

Activities in Scientific Journals

ISTANBUL BUSINESS RESEARCH, Assistant Editor/Section Editor, 2021 - Continues
ISTANBUL BUSINESS RESEARCH, Publication Committee Member, 2018 - 2021
Independent Journal of Management & Production, Evaluation Committee Member, 2018 - 2018
İstanbul Üniversitesi İşletme Fakültesi Dergisi, Publication Committee Member, 2016 - 2018

Scientific Refereeing

JOURNAL OF TURKISH OPERATIONS MANAGEMENT, Other Indexed Journal, June 2023

INTERNATIONAL JOURNAL OF CONSUMER STUDIES, National Scientific Refreed Journal, March 2023
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, Journal Indexed in SCI-E, June 2022
EXPERT SYSTEMS WITH APPLICATIONS, Journal Indexed in SCI-E, March 2022
İktisadi İdari Ve Siyasal Araştırmalar Dergisİ, Other Indexed Journal, March 2021
Handbook of Research on Global Industry Transitions and Opportunities, Chapter Scientific / Professional Book Published by Renowned Publishing Houses, December 2020
EXPERT SYSTEMS WITH APPLICATIONS, Journal Indexed in SCI-E, July 2020
EXPERT SYSTEMS WITH APPLICATIONS, Journal Indexed in SCI-E, June 2020
International Journal of Data Analytics (IJDA), Other Indexed Journal, April 2020
TEKSTIL VE KONFEKSIYON, Journal Indexed in SCI-E, March 2020
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, Journal Indexed in SCI-E, October 2019
International Journal of Data Analytics , Other Indexed Journal, September 2019
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, Journal Indexed in SCI-E, August 2019
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, Journal Indexed in SCI-E, July 2019
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, Journal Indexed in SCI-E, April 2019
Optimum Ekonomi ve Yönetim Bilimleri Dergisi, National Scientific Refreed Journal, March 2019
Istanbul Business Research, Journal Indexed in ESCI, March 2019
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, Journal Indexed in SCI-E, January 2019
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, Journal Indexed in SCI-E, December 2018
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, Journal Indexed in SCI-E, November 2018
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, Journal Indexed in SCI-E, August 2018
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, Journal Indexed in SCI-E, June 2018
Intelligent Techniques for Data Analysis in Diverse Settings, Scientific / Professional Book Published by Renowned Publishing Houses, September 2015

Metrics

Publication: 21
Citation (WoS): 12
Citation (Scopus): 20
H-Index (WoS): 1
H-Index (Scopus): 1

Congress and Symposium Activities

"Article colloquium", İÜ İşletme Fakültesi Sosyal Bilimler Enstitüsü Finans Doktora Programı, Attendee, İstanbul, Turkey, 2017

Entrepreneurship Activities

Limited, SEPER İş Analitiği Modelleme ve Yazılım, 04 September 2018, Co-Founder

Non Academic Experience

SEPER İş Analitiği Modelleme ve Yazılım Ltd. Şti.
Demo Dekorasyon Mobilya Ağaç Ürünleri Üretim ve Pazarlama A. Ş.