

## 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

Tayali 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, Igi 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 Çağ'da 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., TÜBİTAK 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

İSTANBUL BUSINESS RESEARCH, Assistant Editor/Section Editor, 2021 - Continues

İSTANBUL 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 Dergisi, 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  
TEKSTİL VE KONFEKSİYON, 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  
Istanbul Business Research, Journal Indexed in ESCI, March 2019  
Optimum Ekonomi ve Yönetim Bilimleri Dergisi, National Scientific Refreed Journal, 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): 2  
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.