

## **Prof. ÖZALP VAYVAY**

### **Personal Information**

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### **International Researcher IDs**

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Publons / Web Of Science ResearcherID: L-5002-2016

ScopusID: 23981321400

Yoksis Researcher ID: 172460

### **Education Information**

Doctorate, Marmara University, Faculty of Engineering, Industrial Engineering, Turkey 1995 - 2000

Postgraduate, Marmara University, Faculty of Engineering, Industrial Engineering, Turkey 1991 - 1993

Undergraduate, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Kimya Mühendisliği Bölümü, Turkey 1982 - 1987

### **Dissertations**

Doctorate, Business process reengineering and an application to shoe manufacturing industry, Marmara Üniversitesi, Faculty of Engineering, Industrial Engineering, 2000

Postgraduate, Forecasting and fleet planning model for THY, Marmara Üniversitesi, Faculty of Engineering, Industrial Engineering, 1994

### **Research Areas**

Social Sciences and Humanities, Engineering and Technology

### **Academic Titles / Tasks**

Professor, Marmara University, Faculty of Business Administration, Business Administration Lectured (English), 2015 - Continues

### **Academic and Administrative Experience**

Fakülte Akademik Kurul Üyesi, Marmara University, Faculty of Business Administration, Business Administration, 2015 - Continues

Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Mühendislik Yönetimi (Dr), 2004 - Continues

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Marmara University, Faculty of Business Administration, Business Administration, 2014 - 2017

Enstitü Yönetim Kurulu Üyesi, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 2010 - 2013

Deputy Head of Department, Marmara University, Faculty of Engineering, Industrial Engineering, 2002 - 2004

## Advising Theses

VAYVAY Ö., Supply chain reengineering via service oriented architecture in healthcare supply chain in turkey, Doctorate, S.Nezihe(Student), 2010

VAYVAY Ö., Hybprid fuzzy/grey and anfis approaches to bullwhip effect in supply chains, Postgraduate, H.Tozan(Student), 2009

VAYVAY Ö., Effects of job evaluation analysis on Company's productivity and a case study in manufacturing industry, Postgraduate, M.Küçük(Student), 2007

VAYVAY Ö., Analysis of relationship between ergonomics and quality: application of quality improvement through ergonomics in manufacturing industry, Postgraduate, O.Erdinç(Student), 2006

## Jury Memberships

Post Graduate, Post Graduate, Marmara Üniversitesi, May, 2019

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Gebze Teknik Üniversitesi, February, 2019

## Taught Courses And Trainings

Vayvay Ö., Lojistik ve Tedarik Zinciri Yöneticliği, 2018 - 2018

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

- I. **Guest Editorial: New Perspectives on Technology and Innovation Management to Strengthen the Development of Healthcare Organizations and Ecosystems**  
Gerdşri N., VAYVAY Ö., Punnakittikashem P., KALENDER Z. T., Thuwajit C., Wongsawa Y.  
IEEE Transactions on Engineering Management, vol.70, no.8, pp.2631-2633, 2023 (SCI-Expanded)
- II. **How Do Mobile Wallets Improve Sustainability in Payment Services? A Comprehensive Literature Review**  
Hopalı E., Vayvay Ö., KALENDER Z. T., Turhan D., Aysuna C.  
Sustainability (Switzerland), vol.14, no.24, 2022 (SCI-Expanded)
- III. **Gravitational Intelligent Decision-Making Model at the Fuzzy Front End with Extrinsic Idea Integration by the K-Means Algorithm**  
Kurt O. E., Vayvay O.  
Systems, vol.10, no.5, 2022 (SSCI)
- IV. **A novel fuzzy framework for technology selection of sustainable wastewater treatment plants based on TODIM methodology in developing urban areas**  
Eseoglu G., Yapsaklı K., Tozan H., Vayvay O.  
SCIENTIFIC REPORTS, vol.12, no.1, 2022 (SCI-Expanded)
- V. **A Systematic Review of Sustainable Fresh Fruit and Vegetable Supply Chains**  
Tort Ö., Vayvay Ö., Çobanoğlu E.  
Sustainability, vol.14, no.1573, pp.1-43, 2022 (SCI-Expanded)
- VI. **AIRCRAFT MAINTENANCE ROUTING PROBLEM - A LITERATURE SURVEY**  
Temucin T., TUZKAYA G., VAYVAY Ö.

PROMET-TRAFFIC & TRANSPORTATION, vol.33, no.4, pp.491-503, 2021 (SCI-Expanded)

**VII. Analysis of life expectancy across countries using a decision tree**

Karacan I., Sennaroglu B., Vayvay Ö.

Eastern Mediterranean Health Journal, 2019 (SCI-Expanded)

**VIII. E-Procurement System and Adoption for SMEs**

Bayram S., VAYVAY Ö.

INNOVATIONS IN SMES AND CONDUCTING E-BUSINESS: TECHNOLOGIES, TRENDS AND SOLUTIONS, pp.19-34, 2011 (SSCI)

## Articles Published in Other Journals

**I. Identifying the Factors Affecting Individual Resistance against Organizational Change**

Küçükatalay T., VARDARLIER P., ÖZSÜRÜNÇ R., Vayvay Ö.

Journal of Higher Education Policy and Leadership Studies, vol.4, no.1, pp.120-140, 2023 (Scopus)

**II. A mathematical model for personnel task assignment problem and an application for banking sector**

Cetin K., TUZKAYA G., VAYVAY Ö.

International Journal of Optimization and Control: Theories and Applications, vol.10, no.2, pp.147-158, 2020 (Scopus)

**III. Roof-top Integrated Photovoltaic Assessment for Sustainable Cities**

Altıntaş K., Atalay C., Vayvay Ö.

Marmara Business Review, vol.1, no.2, 2016 (Peer-Reviewed Journal)

**IV. Renewable Energy for a Sustainable Future**

ALTINTAS K., TURK T., VAYVAY Ö.

Marmara Journal of Pure and Applied Sciences, vol.28, no.5, 2016 (Peer-Reviewed Journal)

## Books & Book Chapters

**I. Humanitarian Supply Chain Management: Extended Literature Review**

DAŞCIOĞLU B. G., VAYVAY Ö., KALENDER Z. T.

in: Lecture Notes in Management and Industrial Engineering: Industrial Engineering in the Big Data Era, Calisir, Fethi Cevikcan, Emre Camgoz-Akdağ, Hatice, Editor, Springer, Cham, pp.443-459, 2019

**II. The Role of Universities in Industry 4.0 Era: Entrepreneurship and Innovation Perspectives**

YAVUZTÜRK H., KALENDER Z. T., VAYVAY Ö.

in: Technological Developments in Industry 4.0 for Business Applications, Luis Ferreira, Nuno Lopes, Nuno Lopes, Goran D. Putnik, Maria Manuela Cruz-Cunha, Paulo Silva Ávila, Editor, IGI Global, pp.3, 2019

**III. İnovasyon Yönetimi ve Yeni Ürün Geliştirme**

VAYVAY Ö., KALENDER Z. T.

in: Çağdaş Endüstri Mühendisliği, Ercan Öztemel, Editor, PapatyaYayıncılık, pp.285-302, 2019

## Refereed Congress / Symposium Publications in Proceedings

**I. The impact of successful management of the idea-to-product process on the success of new product development in the pharmaceutical industry**

MEŞEPINAR E., VAYVAY Ö., KALENDER Z. T.

9th INTERNATIONAL CONFERENCE ON LEADERSHIP, TECHNOLOGY, INNOVATION AND BUSINESS MANAGEMENT, 12 - 13 November 2019

**II. Sustainable Supply Chain Management: A Literature Review**

ARIOĞLU AKAN M. Ö., SELAM A. A., VAYVAY Ö.

## Supported Projects

Vayvay Ö., Company, Yaş Meyve Sebze Üretiminde Hasat Anına En Yakın Zamanda Paketlemeyi Hedefleyen Yeni Bir Süreç Tasarımı, 2020 - 2021

## Activities in Scientific Journals

International journal of advances in engineering and pure sciences (Online), Advisory Committee Member, 2017 - Continues

MANAŦMENT PODNIKOV - Management of Companies, Committee Member, 2015 - Continues

Manufacturing and Industrial Engineering, Committee Member, 2015 - Continues

## Memberships / Tasks in Scientific Organizations

Türk Kimya Derneđi, Member, 2016 - Continues, Turkey

Lojistik Derneđi - LODER, Member, 2015 - Continues, Turkey

## Scientific Refereeing

IEEE TRANSACTIONS ON ENGINEERING MANAGEMENT, SCI Journal, March 2021

KOSGEB, Marmara University, Turkey, March 2017

## Mobility Activity

Erasmus Programme, Lecturing, The Polytechnic Institute of Cávado and Ave (IPCA), Portugal, 2012 - 2012

## Metrics

Publication: 124

Citation (WoS): 375

Citation (Scopus): 358

H-Index (WoS): 9

H-Index (Scopus): 11

## Awards

Satıcı E., Vayvay Ö., What is Your Organization's IQ? - A Practical Tool to Gauge Enterprise Intelligence, European Conference On Knowledge Management, September 2013