

Res. Asst. PhD ZEYNEP TUĞÇE KALENDER

Personal Information

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Biography

Zeynep Tuğçe Kalender, Res. Asst. is a research assistant of Industrial Engineering Department at Marmara University. She graduated with a BS from Istanbul Commerce University in 2011, an MS from Istanbul Technical University in 2013. She completed her PhD at Marmara University Industrial Engineering Department in 2020 focusing on healthcare quality management.

Her current research interests include Decision Analyses, Multi-Criteria Decision Making, Fuzzy Logic, Business Process Management, Total Quality Management, Managing Service Quality, Engineering Management, Innovation, and Change Management, Sustainability, and Game Theory.

Education Information

Post Doctorate, Czech Technical University, Faculty of Mechanical Engineering, Department of Management and Business Economics , Czech Republic 2022 - Continues

Doctorate, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Department Of Industrial Engineering (Eng), Turkey 2013 - 2020

Postgraduate, Istanbul Technical University, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, Turkey 2011 - 2013

Undergraduate, Istanbul Commerce University, Faculty Of Engineering And Design, Department Of Industrial Engineering, Turkey 2007 - 2011

Dissertations

Doctorate, PROCESS IMPROVEMENT THROUGH DECISION MAKING BASED HYBRID METHODOLOGIES AND A CASE STUDY, Marmara University, Faculty of Engineering, Industrial Engineering, 2020

Postgraduate, DEĞİŞİKLİK YÖNETİMİNİN YALIN MALİYETLEME SİSTEMİNE ETKİSİ VE BİR UYGULAMA, İstanbul Teknik Üniversitesi, İşletme Fakültesi, Endüstri Mühendisliği Bölümü, 2013

Research Areas

Quality and Reliability, Strategic planning, Multi Criteria Decision Making, Decision Support Systems, Supply Chain and Logistics Management

Academic Titles / Tasks

Researcher, Czech Technical University, Faculty of Mechanical Engineering, Department of Management and Business

Economics, 2022 - Continues

Research Assistant PhD, Marmara University, Faculty Of Engineering, Industrial Engineering, 2013 - Continues

Courses

Decision Analyses, Undergraduate, 2020 - 2021, 2021 - 2022

Game Theory, Undergraduate, 2020 - 2021

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Information system selection for hospitality industry via integrated use of IVIF-DEMATEL and IVIF-TOPSIS**
Kılıç H. S. , Kalender Z. T. , Yalçın A. S. , Erkal G., Tuzkaya G.
Journal Of Intelligent & Fuzzy Systems, vol.42, no.1, pp.317-335, 2022 (Journal Indexed in SCI Expanded)
- II. **Prioritization of Medical Errors in Patient Safety Management: Framework Using Interval-Valued Intuitionistic Fuzzy Sets**
KALENDER Z. T. , TOZAN H., VAYVAY Ö.
HEALTHCARE, vol.8, no.3, pp.265, 2020 (Journal Indexed in SCI Expanded)
- III. **AN INTEGRATED DEMATEL- IF-TOPSIS METHODOLOGY FOR LOGISTICS CENTERS LOCATION SELECTION PROBLEM: AN APPLICATION FOR ISTANBUL METROPOLITAN AREA**
Uyanık C., Tuzkaya G., Şimsit Kalender Z. T. , Oğuztimur S.
Transport, vol.1, pp.1-20, 2020 (Journal Indexed in SCI Expanded)
- IV. **Hesitant fuzzy linguistic TOPSIS method for the electric vehicles' charging stations location selection problem and an application for Istanbul**
KALENDER Z. T. , KILIÇ H. S. , TUZKAYA G., Dascioglu B. G.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.39, no.5, pp.6391-6406, 2020 (Journal Indexed in SCI)
- V. **Hospital service quality evaluation with IVIF-PROMETHEE and a case study**
TUZKAYA G., SENNAROĞLU B., KALENDER Z. T. , Mutlu M.
Socio-Economic Planning Sciences, vol.68, 2019 (Journal Indexed in SCI)
- VI. **Solid waste disposal methodology selection using multi-criteria decision making methods and an application in Turkey**
Arikan E., Simsit-Kalender Z. T. , VAYVAY Ö.
JOURNAL OF CLEANER PRODUCTION, vol.142, pp.403-412, 2017 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Literature Review of the RD Teams' Leadership to Manage Innovation**
Parlak F., VAYVAY Ö., KUNTER F., KALENDER Z. T.
Review of Integrative Business and Economics, vol.6, pp.327-340, 2017 (Refereed Journals of Other Institutions)
- II. **Today s and Tomorrow s Mobile Technologies in Supply Chains**
KURT O., KALEM G., VAYVAY Ö., KALENDER Z. T.
The WSEAS Transactions on Business and Economics, vol.1, pp.393-407, 2016 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Digital Transformation Approaches for Aircraft Maintenance Operations**
Kivanç E., Vayvay Ö., Kalender Z. T.

in: Managerial Issues in Digital Transformation of Global Modern Corporations, Thangasamy Esakki, Editor, IGI Global, Pennsylvania, pp.145-164, 2021

II. İnovasyon Yönetimi ve Yeni Ürün Geliştirme

Vayvay Ö., Kalender Z. T.

in: Çağdaş Endüstri Mühendisliği, Prof.Dr.Ercan Öztemel, Editor, Papatya Yayıncılık, İstanbul, pp.250-260, 2019

III. 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, Joaquim Silva, Goran D. Putnik, Maria Manuela Cruz-Cunha, Paulo Silva Ávila, Editor, IGI GLOBAL, Pennsylvania, pp.50-70, 2019

IV. 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

V. Lean Thinking via Business Intelligence Technologies and Innovation Process

FIRAT S. Ü. , AĞLAN C., KALENDER Z. T. , ÜLKÜ İ., BAYRAM G., ERDEM M.

in: Handbook of Research on Driving Competitive Advantage through Sustainable Lean and Disruptive Innovation, Latif Al-Hakim, Xiaobu Wu, Andy Koronios, Yongyi Shou, Editor, IGI Global, pp.59-85, 2016

VI. Organizational Learning to Managing Change: Key Player of Continuous Improvement in the 21st Century

ŞİMŞİT Z. T. , GÜNAY N. S. , VAYVAY Ö.

in: Organizational Change Management Strategies in Modern Business, Göksoy, Aslı, Editor, IGI Global, pp.95-109, 2015

Refereed Congress / Symposium Publications in Proceedings

I. Analysis of Supply Chain Disruption Factors Under the Effect of COVID-19 Pandemic via Neutrosophic Fuzzy DEMATEL

Cayvaz F., Tuzkaya G., Kalender Z. T. , Kılıç H. S.

International Conference on Intelligent and Fuzzy Systems, İstanbul, Turkey, 24 - 26 August 2021, pp.347-354

II. Selection of the Best Software Project Management Model via Interval-Valued Neutrosophic AHP

Çizmecioglu N., Kılıç H. S. , Kalender Z. T. , Tuzkaya G.

International Conference on Intelligent and Fuzzy Systems, İstanbul, Turkey, 24 - 26 August 2021, pp.388-396

III. An Integrated IVIF-DEMATEL and IVIF-TOPSIS Methodology for Hotel Information System Selection

ERKAL G., KILIÇ H. S. , KALENDER Z. T. , YALÇIN A. S. , TUZKAYA G.

INFUS: International Conference on Intelligent and Fuzzy Systems, 21 - 23 July 2020

IV. Evaluation of electric vehicles station locations with an extended TOPSIS methodology using probabilistic linguistic term sets

Dascioglu B. G. , KALENDER Z. T. , TUZKAYA G., KILIÇ H. S.

International Conference on Intelligent and Fuzzy Systems, INFUS 2019, İstanbul, Turkey, 23 - 25 July 2019, vol.1029, pp.820-828

V. 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

VI. Innovative Strategies For White Goods Warehouse Process

Akdağ T., VAYVAY Ö., KALENDER Z. T.

16th International Logistics and Supply Chain Congress, 18 - 20 October 2018

VII. Humanitarian supply chain management: Extended literature review

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

Global Joint Conference on Industrial Engineering and Its Application Areas, 21 - 22 June 2018

VIII. **A General Overview of the Effects of Social Media to Healthcare Management**

KALENDER Z. T.

6. International Congress on Current Debates in Social Sciences, 14 - 16 December 2017

IX. **A LOGISTICS ALLOCATION MODEL FOR FREIGHT VILLAGES: A CASE STUDY FOR TURKEY**

TUZKAYA U. R. , TUZKAYA G., YILMAZER K. B. , KALENDER Z. T.

The 15th International Logistics and Supply Chain Congress, 19 - 20 October 2017

X. **Literature Review of the RD Teams' Leadership to Manage Innovation**

Parlak F., VAYVAY Ö., KUNTER F., KALENDER Z. T.

SIBR Thammasat University, Bangkok, Thailand, 25 - 26 May 2017

XI. **The Fifth Pillar of the Balanced Scorecard: Sustainability**

KALENDER Z. T. , VAYVAY Ö.

12th International Strategic Management Conference (ISMC), Antalya, Turkey, 28 - 30 October 2016, vol.235, pp.76-83

XII. **ADAPTATION OF LEAN PRINCIPLES TO OFFICES LITERATURE REVIEW OF LEAN OFFICE**

KALENDER Z. T.

16. Üretim Araştırmaları Sempozyumu, İstanbul, Turkey, 12 - 14 October 2016

XIII. **The role of Mobile Devices and Applications in Supply Chains**

KALEM G., KURT O. E. , VAYVAY Ö., KALENDER Z. T.

17th International Conference on MATHEMATICS and COMPUTERS in BUSINESS and ECONOMICS, İstanbul, Turkey, 15 - 17 April 2016

XIV. **THE IMPACT OF INFORMATION TECHNOLOGY APPLICATIONS ON THE SUPPLY CHAIN PERFORMANCE AND A CASE STUDY**

AÇIKGÖZ İ., VAYVAY Ö., TUZKAYA G., ŞİMŞİT Z. T.

XIII. International Logistics and Supply Chain Congress, İzmir, Turkey, 22 - 23 October 2015

XV. **PERFORMANCE APPRAISALS AS A QUALITY MANAGEMENT TOOL LITERATURE REVIEW**

ŞİMŞİT Z. T. , VAYVAY Ö.

ICOVACS 2015, İstanbul, Turkey, 12 - 13 March 2015

XVI. **BİLGİ VE İLETİŞİM TEKNOLOJİLERİ ÇERÇEVESİNDEN KÜRESEL İNOVASYON ENDEKSİNİN ANALİZİ VE VERİ MADENCİLİĞİ KULLANILARAK ÜLKELERİN KÜMELENMESİ**

Şimşit Z. T. , Fırat S. Ü. , Es H. A. , Erdem M., Topgül M., Günay N. S.

1. Yönetim Bilişim Sistemleri Kongresi'2014, İstanbul, Turkey, 16 - 17 October 2014

XVII. **Development and Application of 3rd Party Logistics Service Provider Evaluation Model for Automotive on House of Quality**

ŞİMŞİT Z. T. , VAYVAY Ö., AKAGÜNDÜZ C.

20. International Symposium on Quality Function Deployment, İstanbul, Turkey, 4 - 05 September 2014

XVIII. **Assessment of Sustainability Performance Indicators in Manufacturing**

ESEOĞLU G., VAYVAY Ö., ŞİMŞİT Z. T.

Global Conference on Engineering and Technology Management, İstanbul, Turkey, 23 - 26 June 2014

XIX. **An outline of innovation management process: building a framework for managers to implement innovation**

Simsit Z. T. , VAYVAY Ö., Ozturk O.

10th International Strategic Management Conference, Rome, Italy, 19 - 21 June 2014, vol.150, pp.690-699

XX. **Theory of Constraints: A Literature Review**

Simsit Z. T. , Gunay N. S. , VAYVAY Ö.

10th International Strategic Management Conference, Rome, Italy, 19 - 21 June 2014, vol.150, pp.930-936

XXI. **Küresel Rekabet ve İnovasyon Çerçevesinde Türkiye nin Lojistik Performansının Değerlendirilmesi**

Şimşit Z. T. , Arıoğlu Akan M. Ö. , Fırat S. Ü.

3. Ulusal Lojistik ve Tedarik Zinciri Kongresi, Trabzon, Turkey, 15 - 17 May 2014

Supported Projects

Öztemel E., Er M., Özel S., Kalender Z. T. , Project Supported by Other Private Institutions, TUSAŞ İş Süreçlerinin Analizi ve Kurumsal Öz Değerlendirme Modelinin Geliştirilmesi Ar-Ge Projesi, 2021 - 2022

Öztemel E., Sennaroğlu B., Özel S., Kalender Z. T. , Project Supported by Other Private Institutions, Doğalgaz Dağıtım İşletmeleri İçin İş Süreçlerinin Optimizasyonu ve Stratejik Hizalanmış Süreçlere Dayalı İş Yönetim Modelinin Geliştirilmesi Araştırma Projesi, 2019 - 2020

Memberships / Tasks in Scientific Organizations

Operational Research Society Of Turkey, Member, 2013 - Continues, Turkey

Scientific Refereeing

International journal of advances in engineering and pure sciences (Online), National Scientific Refreed Journal, June 2021

IEEE TRANSACTIONS ON ENGINEERING MANAGEMENT, SCI Journal, May 2020

Journal of Modelling in Management, Journal Indexed in ESCI, July 2019

EVALUATION AND PROGRAM PLANNING, Journal Indexed in SSCI, July 2019

Journal of Modelling in Management, Journal Indexed in ESCI, May 2019

KYBERNETES, SCI Journal, April 2018

JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY, Journal Indexed in SCI-E, January 2018

SCIENTIA IRANICA, Journal Indexed in SCI-E, June 2017

PRODUCTION PLANNING & CONTROL, SCI Journal, May 2017

JOURNAL OF CLEANER PRODUCTION, SCI Journal, May 2017

INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, Journal Indexed in SCI-E, March 2017

JOURNAL OF CLEANER PRODUCTION, SCI Journal, July 2016

JOURNAL OF CLEANER PRODUCTION, SCI Journal, April 2016

JOURNAL OF CLEANER PRODUCTION, SCI Journal, February 2016

JOURNAL OF CLEANER PRODUCTION, SCI Journal, April 2015

Citations

Total Citations (WOS):151

h-index (WOS):5

Scholarships

2211-E Doğrudan Yurtiçi Doktora Bursu, TUBITAK, 2013 - 2020

2210 Yurtiçi Yüksek Lisans Bursu, TUBITAK, 2011 - 2013