

Asst. Prof. MERVE ER

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: N-6630-2016

ScopusID: 57204934066

Yoksis Researcher ID: 40927

Biography

Merve Er started her academic career in 2011 as a reserach assistant in Industrial Engineering Department at Marmara University. In March 2020, she was appointed to "Asst. Prof. Dr." position at the same department and she continues her work here.

She graduated from Sakarya University, Industrial Engineering Department in 2008. She gained MS degree in 2010 and PhD degree in 2017 from Industrial Engineering Department at Marmara University. She awarded an international post-doctoral research scholarship by the Scientific and Technological Research Council of Turkey (TUBITAK) and studied at Heriot Watt University Business Management Department in UK between April 2018-March 2019. Her main research interests are Supply Chain Risk Management, Climate Change, Modelling & Simulation and Artificial Intelligence.

Education Information

Post Doctorate, Heriot-Watt University, School of Social Sciences, Business Management, England 2018 - 2019

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Endüstri Mühendisliği (Dr), Turkey 2010 - 2017

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Endüstri Mühendisliği (YI) (Tezli), Turkey 2008 - 2010

Undergraduate, Sakarya University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2004 - 2008

Foreign Languages

English, C2 Mastery

Certificates, Courses and Trainings

Vocational Training, MIT-Zaragoza International Logistics Program-PhD Summer Academy, Zaragoza Logistics Center, 2013

Dissertations

Doctorate, Data mining approach in supply chain risk management, Marmara Üniversitesi, Institute for Graduate Studies in Pure and Applied Sciences, Endüstri Mühendisliği (Dr), 2017

Postgraduate, Composite ant colony algorithms for transportation problems, Marmara Üniversitesi, Institute for Graduate Studies in Pure and Applied Sciences, Endüstri Mühendisliği (YI) (Tezli), 2010

Research Areas

Industrial Engineering , System Dynamics, Supply Chain and Logistics Management

Jury Memberships

Post Graduate, Post Graduate, Marmara Üniversitesi, May, 2024

Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, December, 2023

Doctorate, Doctorate, Marmara Üniversitesi, February, 2023

Doctorate, Doctorate, Marmara Üniversitesi, April, 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Visualisation of ripple effect in supply chains under long-term, simultaneous disruptions: a system dynamics approach**
Ghadge A., ER M., Ivanov D., Chaudhuri A.
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.60, no.20, pp.6173-6186, 2022 (SCI-Expanded)
- II. **Sustainability implementation challenges in food supply chains: a case of UK artisan cheese producers**
Ghadge A., ER M., Mogale D. G., Choudhary S., Dani S.
PRODUCTION PLANNING & CONTROL, vol.32, no.14, pp.1191-1206, 2021 (SCI-Expanded)
- III. **Modelling the impact of climate change risk on supply chain performance**
Er Kara M., Ghadge A., Bititci U. S.
International Journal Of Production Research, vol.1, pp.1, 2020 (SCI-Expanded)
- IV. **Modelling the impact of climate change risk on bioethanol supply chains**
Ghadge A., Van Der Werf S., Er Kara M., Goswami M., Kumar P., Bourlakis M.
TECHNOLOGICAL FORECASTING AND SOCIAL CHANGE, vol.1, pp.1-27, 2020 (SSCI)
- V. **The impact of Industry 4.0 implementation on supply chains**
Ghadge A., Er Kara M., Moradlou H., Goswami M.
JOURNAL OF MANUFACTURING TECHNOLOGY MANAGEMENT, vol.31, no.4, pp.669-686, 2020 (SCI-Expanded)
- VI. **A data mining-based framework for supply chain risk management**
Er Kara M., Firat S. Ü., Ghadge A.
Computers & Industrial Engineering, vol.139, no.105570, 2020 (SCI-Expanded)
- VII. **Supplier Risk Assessment Based on Best-Worst Method and K-Means Clustering: A Case Study**
Kara M., Firat S. Ü.
SUSTAINABILITY, vol.10, 2018 (SCI-Expanded)
- VIII. **A Comparative Analysis of Renewable Energy Use and Policies: Global and Turkish Perspectives**
Akan M. Ö., Selam A. A., Firat S. Ü., Kara M., Özel S.
SUSTAINABILITY, vol.7, pp.16379-16407, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **Compartmental Models of the COVID-19 Pandemic: A Systematic Literature Review**
Yerinde D., Er M.
Bayburt University Journal of Science, vol.6, no.2, pp.254-267, 2023 (Peer-Reviewed Journal)
- II. **Deceptive counterfeit risk in global supply chains**
Ghadge A., Duck A., Er M., Caldwell N.
Supply Chain Forum: An International Journal, vol.1, no.1, pp.1-15, 2021 (ESCI)
- III. **Automotive recall risk: Impact of buyer-supplier relationship on supply chain social sustainability**
Nassar S., Kandil T., Er Kara M., Ghadge A.
International Journal of Productivity and Performance Management, vol.1, pp.1-29, 2019 (Scopus)
- IV. **KARINCALAR YAPAY ZEKAYA İLHAM KAYNAĞI OLDU**
Er Kara M.
Mimar ve Mühendis, no.106, pp.62-65, 2019 (Non Peer-Reviewed Journal)
- V. **SUPPLY CHAIN RISKS: LITERATURE REVIEW AND A NEW CATEGORIZATION**
Er Kara M., Fırat S. Ü.
Beykent Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.10, pp.31-60, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Big Data Analytics in Energy Management from Energy Generation to Consumption**
Er M., Bayram G.
in: Demystifying Big Data Analytics for Industries and Smart Societies, Keshav Kaushik, Mamta Dahiya, Ashutosh Dhar Dwivedi, Editor, Chapman and Hall/CRC (Taylor & Francis Group), New York, pp.1-20, 2023
- II. **Sustainability, Risk, and Business Intelligence in Supply Chains**
ER KARA M., FIRAT S. Ü.
in: Global Business Expansion: Concepts, Methodologies, Tools, and Applications, , Editor, IGI Global, pp.1424-1461, 2018
- III. **Sustainable Supplier Evaluation and Selection Criteria**
Er Kara M., Yurtsever Ö., Fırat S. Ü.
in: Social and Economic Perspectives on Sustainability, Erdoğan M. Mustafa, Mermod Aslı Yüksel, Aşkun Yıldırım Olcay Bige, Editor, IJOPEC Publication, İstanbul, pp.159-168, 2016
- IV. **Sustainability, Risk, and Business Intelligence in Supply Chains**
Er Kara M., Fırat S. Ü.
in: Handbook of Research on Green Economic Development Initiatives and Strategies, Erdoğan M. Mustafa, Arun Thankom, Ahmad Imran Habib , Editor, IGI Global, Pennsylvania, pp.501-538, 2016

Refereed Congress / Symposium Publications in Proceedings

- I. **Data Mining Techniques in Smart Meter Applications for Sustainable Future**
BIYIKÇI H., ER M.
10th EurOMA Sustainable Operations and Supply Chains Forum, Hamburg, Germany, 20 - 24 March 2023
- II. **Factors Affecting Residential, Commercial and Industrial Energy Consumption**
BIYIKÇI H., ER M.
13th International Conference on Industrial Engineering and Operations Management, Manila, Philippines, 6 - 09 March 2023, pp.938-939
- III. **An Integrated Supplier Selection Model for Considering Risk Criteria in the Tire Industry**
KUTLU E. S., ER M.
International Logistics and Supply Chain Congress (LMSCM2021), Gaziantep, Turkey, 21 - 22 October 2021

- IV. **Risks in Supply Chain 4.0: A Literature Review Study**
YILDIZ ÖZENÇ S. C., ER M., FIRAT S. Ü.
Virtual Global Joint Conference on Industrial Engineering and Its Application Areas (GJCIE 2021), Turkey, 30 - 31 October 2021
- V. **Modelling disruption ripple effect in supply chains-A simulation perspective**
GHADGE A., ER KARA M., Chaudhuri A., Jayaram J.
Production and Operations Management Society (POMS) 2019 International Conference, Brighton, England, 2 - 04 September 2019
- VI. **A Review Study on Supply Chain Intelligence**
Er Kara M., Fırat S. Ü.
4th International Management Information Systems Conference, İstanbul, Turkey, 17 - 20 October 2017, pp.189
- VII. **A Review on Sustainability and Risk Management**
Er Kara M., Fırat S. Ü.
3rd International Conference on Sustainable Development, Sarajevo, Bosnia And Herzegovina, 19 - 23 April 2017, pp.210-215
- VIII. **Sustainable Supplier Evaluation and Selection Criteria**
Er Kara M., Yurtsever Ö., Fırat S. Ü.
International Sustainability Congress, İstanbul, Turkey, 1 - 03 December 2016, pp.190-195
- IX. **Tedarik Zinciri Risk Yönetiminin Gelişmesini Tetikleyen Risk Olayları Üzerine bir İnceleme**
Er Kara M., Fırat S. Ü.
IV. Ulusal Lojistik ve Tedarik Zinciri Kongresi, Gümüşhane, Turkey, 21 - 23 May 2015
- X. **[PDF] from researchgate.netTedarik Zinciri Risk Yönetiminin Gelişmesini Tetikleyen Risk Olayları Üzerine Bir İnceleme**
Er Kara M., Fırat S. Ü.
IV. Ulusal Lojistik ve Tedarik Zinciri Kongresi, Trabzon, Turkey, 21 - 23 May 2015, pp.326-334
- XI. **A Descriptive Analysis of Renewable Energy Use for World Countries**
Fırat S. Ü., Özel S., Er Kara M., Arıoğlu Akan M. Ö., Selam A. A.
The 16th International Conference Of The Global Academy Of Business & Economic Research, New-York, United States Of America, 7 - 08 May 2015
- XII. **A Descriptive Analysis of Renewable Energy Use for World Countries**
Fırat S. Ü., Özel S., Er Kara M., Arıoğlu Akan M. Ö., Selam A. A.
16th International Conference of the Global Academy of Business & Economic Research, New-York, United States Of America, 7 - 08 May 2015
- XIII. **An Evaluation of Renewable Energy Indicators Within the Sustainability Framework**
Selam A. A., Arıoğlu Akan M. Ö., Fırat S. Ü., Özel S., Er Kara M.
The IAFOR North American Conference on Sustainability, Energy and the Environment, Rhode-Island, United States Of America, 11 - 14 September 2014
- XIV. **Renewable Energy Policies A Comparison of Global and Turkish Perspectives**
Arıoğlu Akan M. Ö., Selam A. A., Fırat S. Ü., Er Kara M., Özel S.
The IAFOR North American Conference on Sustainability, Energy and the Environment, Rhode-Island, United States Of America, 11 - 14 September 2014
- XV. **An Evaluation of Renewable Energy Indicators Within the Sustainability Framework**
Selam A. A., Arıoğlu Akan M. Ö., Fırat S. Ü., Özel S., Er Kara M.
The IAFOR North American Conference on Sustainability, Energy and the Environment, New-York, United States Of America, 11 - 14 September 2014
- XVI. **Tedarik Zincirinde Risk Yönetimi Literatür Çalışması**
Er Kara M., Fırat S. Ü.
III. Ulusal Lojistik ve Tedarik Zinciri Yönetimi Kongresi, Trabzon, Turkey, 15 - 17 May 2014
- XVII. **Sürdürülebilir Turizm Literatür Araştırması Turizm Sektörü İçin Sürdürülebilirlik Göstergeleri**
ER M., KALENDER Z. T., FIRAT S. Ü.
13. Üretim Araştırmaları Sempozyumu, Sakarya, Turkey, 25 - 27 September 2013

- XVIII. **Sürdürülebilir Turizm Literatür Araştırması Turizm Sektörü İçin Sürdürülebilirlik Göstergeleri**
Er Kara M., Şimşit Z. T., Fırat S. Ü.
13. Üretim Araştırmaları Sempozyumu. Sakarya, Türkiye, Sakarya, Turkey, 25 - 27 September 2013
- XIX. **Optimizing the Ant Colony Optimization Algorithm Using Neural Network for the Traveling Salesman Problem**
EROL BİNGÜLER A. H., ER KARA M., BULKAN S.
International Conference on Industrial Engineering and Operations Management, İstanbul, Turkey, 3 - 06 July 2012
- XX. **Optimizing the ant colony optimization algorithm using neural network for the travelling salesman problem**
Erol Bingüler A. H., Er Kara M., Bulkan S.
International Conference on Industrial Engineering and Operations Management, İstanbul, Turkey, 3 - 06 July 2012, pp.1695-1701
- XXI. **E Öğrenme Platformlarında Veri Madenciliği Yaklaşımı Kullanarak Performans Ölçümü**
Er Kara M., Fırat S. Ü.
YAEM 2011, Sakarya, Turkey, 5 - 07 July 2011
- XXII. **Future Engineering Education**
Çalış B., Er Kara M.
The International Higher Education Congress: New Trends and Issues (UYK-2011), İstanbul, Turkey, 27 May 2011, pp.1915-1922
- XXIII. **Confidence Intervals for Tourism Demand Elasticities of Turkey**
Er Kara M., Fırat S. Ü.
International Symposium on Econometrics Operations Research and Statistics, Econometrics, Denizli, Turkey, 26 - 29 May 2011, pp.302-308
- XXIV. **Endüstri Mühendislerinin Sektörel İstihdam Profilini Memnuniyet ve Beklentilerini Belirlemeye Yönelik Bir Anket Çalışması**
Herekoğlu A., Yıldırım C., Yel N., Öngör S., Er Kara M., Fırat S. Ü.
MMO, EİM KURULTAYI '2010, Sakarya, Turkey, 20 - 21 November 2009

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

Vayvay Ö., Akgün İ., Er M., Kalender Z. T., Ergen Keleş F. H., Project Supported by Other Private Institutions, Yaş Meyve Sebze Üretiminde Hasat Anına En Yakın Zamanda Paketlemeyi Hedefleyen Yeni Bir Süreç Tasarımı: Şeftali Örneği (MİGROS), 2020 - 2020

Şen Z., Öztemel E., Er M., Project Supported by Other Official Institutions, Sera Gazı Ulusal Katkı Hedefinin Gerçekleştirilmesi için Kapasite Geliştirme ve İzleme Projesi, 2020 - 2020

Er Kara M., Fırat S. Ü., Project Supported by Higher Education Institutions, Data Mining Approach in Supply Chain Risk Management, 2014 - 2017

Er Kara M., Fırat S. Ü., Arıoğlu M. Ö., Özel S., Selam A. A., Project Supported by Higher Education Institutions, VERİ MADENCİLİĞİ TEKNİKLERİ İLE TÜRKİYE NİN YENİLENEBİLİR ENERJİ KAYNAKLARI VE KULLANIMI AÇISINDAN DEĞERLENDİRİLMESİ, 2013 - 2016

Activities in Scientific Journals

International journal of advances in engineering and pure sciences (Online), Editor, 2024 - Continues

Logistics, Special Issue Editor, 2020 - Continues

Committee Member, 2020 - 2024

Scientific Refereeing

ENDÜSTRİ MÜHENDİSLİĞİ, National Scientific Refreed Journal, February 2021
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, Journal Indexed in SCI-E, June 2020
International Journal of Productivity and Performance Management , Journal Indexed in ESCI, May 2020
Annals of Data Science (AODS), Other Indexed Journal, May 2020
COMPUTERS & INDUSTRIAL ENGINEERING, Journal Indexed in SCI-E, May 2020
JOURNAL OF MANUFACTURING TECHNOLOGY MANAGEMENT, Journal Indexed in SCI-E, April 2020
COMPUTERS & INDUSTRIAL ENGINEERING, Journal Indexed in SCI-E, January 2020
COMPUTERS & INDUSTRIAL ENGINEERING, Journal Indexed in SCI-E, November 2019
COMPUTATIONAL & APPLIED MATHEMATICS, Journal Indexed in SCI-E, August 2019
Computers & Industrial Engineering, Journal Indexed in SCI-E, July 2019
Computers & Industrial Engineering, Journal Indexed in SCI-E, July 2019
JOURNAL OF MANUFACTURING TECHNOLOGY MANAGEMENT, Journal Indexed in SCI-E, June 2019
Computers & Industrial Engineering, Journal Indexed in SCI-E, June 2019
Afyon Kocatepe Üniversitesi Uluslararası Mühendislik Teknolojileri ve Uygulamalı Bilimler Dergisi, Other Journals, May 2019
Computers & Industrial Engineering, Journal Indexed in SCI-E, March 2019
Computers & Industrial Engineering, Journal Indexed in SCI-E, December 2018
Computers & Industrial Engineering, Journal Indexed in SCI-E, September 2018
Computers & Industrial Engineering, Journal Indexed in SCI-E, June 2018
International Journal of Sustainable Engineering, Journal Indexed in ESCI, June 2018

Mobility Activity

Post Doc, Post Doc, Heriot-Watt University, England, 2018 - 2019

Metrics

Publication: 41
Citation (WoS): 161
Citation (Scopus): 285
H-Index (WoS): 5
H-Index (Scopus): 5

Congress and Symposium Activities

Logistics Research Seminar, Working Group, Edinburgh, United Kingdom, 2019

Scholarships

2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, TÜBİTAK, 2018 - 2019