

## Res. Asst. ÖMER FARUK GÜRCAN

### Personal Information

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### Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, Turkey 2014 - Continues

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Mühendislik Yönetimi, Turkey 2011 - 2014

Undergraduate, Selcuk University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2006 - 2011

### Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Sivas Cumhuriyet University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2013 - Continues

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

- I. **A Comprehensive Study of Machine Learning Methods on Diabetic Retinopathy Classification**  
Gürcan Ö. F.  
International Journal of Computational Intelligence Systems, vol.14, no.1, pp.1132-1141, 2021 (Journal Indexed in SCI Expanded)
- II. **A comparative analysis of machine learning techniques and fuzzy analytic hierarchy process to determine the tacit knowledge criteria**  
YAZICI İ., Beyca Ö. F. , Gürcan Ö. F. , Zaim H., Delen D., Zaim S.  
ANNALS OF OPERATIONS RESEARCH, 2020 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **A fuzzy multi-criteria decision-making method for selection of criteria for an e-learning platform**  
GÜLDEŞ M., GÜRCAN Ö. F. , ATICI U., ŞAHİN C.  
European Journal of Science and Technology, no.32, pp.797-806, 2021 (Refereed Journals of Other Institutions)

### Books & Book Chapters

- I. **Multi-Criteria Decision-Making Methods for Biomass Energy Systems: A Review**  
Güldeş M., Gürcan Ö. F.  
in: Optimization and Decision-Making in the Renewable Energy Industry, Figen Balo,Ayşe Topal,Ezgi Demir,Alptekin Ulutas, Editor, IGI Global, Pennsylvania, pp.182-214, 2022

- II. **A Forecasting Study of Covid-19 Epidemic: Turkey Case**  
GÜRCAN Ö. F. , BEYCA Ö. F. , ATİCİ U., ER O.  
in: Intelligent and Fuzzy Systems, Kahraman, C., Tolga, A.C., Cevik Onar, S., Cebi, S., Oztaysi, B., Sari, I.U., Editor, Springer, Cham., pp.263-271, 2022
- III. **A Fuzzy Multi-Criteria Decision-Making Method for Selection of Biomass Power Plant Location**  
ATİCİ U., GÜRCAN Ö. F. , GÜLDEŞ M., ŞAHİN C.  
in: Optimization and Decision-Making in the Renewable Energy Industry, Figen Balo, Ezgi Demir and Alptekin Ulutaş, Editor, IGI Global, pp.1-30, 2022
- IV. **Diagnosis of COVID-19 Using Deep CNNs and Particle Swarm Optimization**  
GÜRCAN Ö. F. , ATİCİ U., BİÇER M. B. , DOĞAN O.  
in: Intelligent and Fuzzy Techniques for Emerging Conditions and Digital Transformation, Kahraman C., Cebi S., Cevik Onar S., Oztaysi B., Tolga A.C., Sari I.U., Editor, Springer, Cham., pp.305-312, 2021
- V. **Measuring the Impact of Tacit Knowledge on Individual and Financial Performances: A Field Study in Turkey**  
TARIM M., ERZURUM E., AKCAN A. F. , GÜRCAN Ö. F. , ZAIM H., ZAIM S.  
in: Financial Ecosystem and Strategy in the Digital Era, Hacıoglu Umit, Aksoy Tamer, Editor, Springer, pp.17-33, 2021
- VI. **A Detailed Comparison of Deep Neural Networks for Diagnosis of COVID-19**  
BİÇER M. B. , DOĞAN O., GÜRCAN Ö. F.  
in: Deep Learning in Biomedical and Health Informatics, , Editor, CRC Press, pp.79-95, 2021
- VII. **Analysis of Frequent Visitor Patterns in a Shopping Mall**  
DOĞAN O., GÜRCAN Ö. F. , ÖZTAYŞI B., GOKDERE U.  
in: Industrial Engineering in the Big Data Era, Calisir Fethi, Cevikcan Emre, Camgoz -Akdag Hatice, Editor, Springer, pp.217-227, 2019
- VIII. **Applications of Big Data and Green IoT Enabling Technologies for Smart Cities**  
DOĞAN O., GÜRCAN Ö. F.  
in: Handbook of Research on Big Data and the IoT, Gurjit Kaur and Pradeep Tomar, Editor, IGI Global, pp.22-41, 2019
- IX. **Optimal Strategy Selection in a Supply Chain**  
GÜRCAN Ö. F. , erdoğan a.  
in: Handbook of Research on Applied Optimization Methodologies in Manufacturing Systems, , Editor, IGI Global, pp.231-250, 2017
- X. **Factors Influencing Effective Knowledge Transfer in Organizations**  
GÜRCAN Ö. F. , ALTIN GÜMÜŞSOY Ç.  
in: Global Practices in Knowledge Management for Societal and Organizational Development, , Editor, IGI Global, pp.271-292, 2017

## Refereed Congress / Symposium Publications in Proceedings

- I. **A Forecasting Study of Covid-19 Epidemic: Turkey Case**  
GÜRCAN Ö. F. , BEYCA Ö. F. , ATİCİ U., ER O.  
INFUS 2022, 19 July 2022, pp.263-271
- II. **Diagnosis of COVID-19 using Deep CNNs and Particle Swarm Optimization**  
GÜRCAN Ö. F. , ATİCİ U., BİÇER M. B. , DOĞAN O.  
International Conference on Intelligent and Fuzzy Systems, İzmir, Turkey, 06 May 2021
- III. **Realising Newspaper Sales by Using Statistic Methods**  
Dogan O., Gürcan Ö. F.  
International Conference on Intelligent and Fuzzy Systems, INFUS 2020, İstanbul, Turkey, 21 - 23 July 2020, pp.875-883
- IV. **Data Perspective of Lean Six Sigma in Industry 4.0 Era: A Guide to Improve Quality**

DOĞAN O., GÜRCAN Ö. F.

2nd International Conference on Industrial Engineering and Operations Management, Paris, France, 26 - 27 July 2018, pp.943-953

- V. **The Factors Affecting Knowledge Transfer Intention and Mediating Effect of Transactive Memory System**  
GÜRCAN Ö. F. , ÖKSÜZ M. K. , DOĞAN O.  
2nd International Conference On Industrial Engineering And Operations, Paris, France, 26 - 27 July 2018, pp.954-962
- VI. **A Customer Satisfaction Study in an Airline Company Centered in Turkey**  
GÜRCAN Ö. F. , BEYCA Ö. F. , AKCAN A. F. , ZAIM S.  
Global Joint Conference of Industrial Engineering and Its Application Areas, 22 - 23 June 2018
- VII. **Big Data and Energy-A Review**  
GÜRCAN Ö. F. , YAZICI İ.  
International Symposium on Industry 4.0 and Applications, Karabük, Turkey, 12 - 14 October 2017
- VIII. **Big Data, Smart City and Smart City Initiatives of Istanbul**  
GÜRCAN Ö. F. , DOĞAN O.  
International Symposium on Industry 4.0 and Applications (ISIA 2017), Karabük, Turkey, 12 - 14 October 2017
- IX. **A Study on Giving Priority of Transition for Emergency Vehicles with Machine Communication**  
L Osman K., DOĞAN O., GÜRCAN Ö. F.  
International Symposium on Industry 4.0 and Applications (ISIA 2017), Karabük, Turkey, 12 - 14 October 2017
- X. **BIG DATA APPLICATIONS FOR BUILDING SMART CITIES A CANDIDATE SMART CITY ISTANBUL**  
GÜRCAN Ö. F.  
International Congress of Management Economy and Policy, İstanbul, Turkey, 26 - 27 November 2016, pp.3499-3507
- XI. **FACTOR ANALYSIS IN AN AIRLINE COMPANY FOR DETERMINING CUSTOMER SATISFACTION**  
GÜRCAN Ö. F. , YAZICI İ.  
Uluslararası Katılımlı 16. Üretim Araştırmaları Sempozyumu, İstanbul, Turkey, 12 - 14 October 2016, pp.600-605
- XII. **Third Party Logistics (3PL) Provider Selection with AHP Application**  
GÜRCAN Ö. F. , YAZICI İ., BEYCA Ö. F. , YAVUZ ARSLAN Ç., ELDEMİR F.  
12th International Strategic Management Conference, KARADAĞ, 21 - 23 July 2016, vol.235, pp.226-234
- XIII. **The Factors Affecting Knowledge Transfer between Individuals in Organizations**  
GÜRCAN Ö. F. , ALTIN GÜMÜŞSOY Ç.  
Global Joint Conference on Industrial Engineering and Its Application Areas, İstanbul, Turkey, 14 - 15 July 2016, pp.281-290
- XIV. **Vehicle Technology Selection with Integrated Fuzzy AHP TOPSIS Method**  
YAZICI İ., GÜRCAN Ö. F.  
Global Joint Conference on Industrial Engineering and Its Application Areas, İstanbul, Turkey, 14 - 15 July 2016, pp.413-422
- XV. **Determining the Critical Factors of Tacit Knowledge in Service Industry in Turkey**  
zaim h., GÜRCAN Ö. F. , TARIM M., ZAIM S., ALKAN İ.  
11th International Strategic Management Conference 2015, viyana, Austria, 23 - 25 July 2015

## Citations

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