

Res. Asst. METİN İFRAZ

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: JOK-0556-2023

ScopusID: 57869428000

Yoksis Researcher ID: 316105

Biography

Metin İfraz completed his primary, middle, and high school education in Gaziantep. In 2016, he graduated as the top student from the Industrial Engineering Department of Kırıkkale University. In the same year, he and his teammates won first place in their graduation project and second place in the inter-university logistics case competition. Between 2017 and 2019, he worked as a Production Engineer at Sanko Textile Enterprises and began his academic career in 2020 as a Research Assistant in the Industrial Engineering Department of Gazi University. He completed his master's degree in 2021 at Kırıkkale University Institute of Science and started his Ph.D. studies at Gazi University Institute of Science in the same year. Supported as a scholarship holder during his master's studies and as a participant in TÜBİTAK projects, İfraz continues to receive TÜBİTAK scholarships during his doctoral studies. He is currently working as a Research Assistant at Gazi University Industrial Engineering Department. He conducts research and works on the application of Artificial Intelligence integration into Demand Forecasting, Predictive Maintenance, Digital Transformation, and Natural Language Generation in the production and service sectors.

Education Information

Doctorate, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, Turkey 2021 - Continues

Postgraduate, Kırıkkale University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2019 - 2021

Undergraduate, Kırıkkale University, Faculty Of Engineering, Department Of Industrial Engineering, Turkey 2012 - 2016

Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Optimization Theory and Methods, Decision Support Systems

Academic Titles / Tasks

Research Assistant, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Sequential predictive maintenance and spare parts management with data mining methods: a case study in bus fleet**
İFRAZ M., Ersöz S., Aktepe A., ÇETİNYOKUŞ T.
Journal of Supercomputing, vol.80, no.15, pp.22099-22123, 2024 (SCI-Expanded)
- II. **Demand forecasting of spare parts with regression and machine learning methods: application in a bus fleet**
İfraz M., Aktepe A., Ersöz S., Çetinyokuş T.
JOURNAL OF ENGINEERING RESEARCH, vol.11, no.2, pp.1-10, 2023 (SCI-Expanded)

Articles Published in Other Journals

- I. **Determination of sample size and design of final product control plan based on product types**
Arinç A., Çetinyokuş T., İfraz M.
NEURAL COMPUTING AND APPLICATIONS, vol.1, pp.1-20, 2024 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Linguistic Recommendation Generation in Digital Transformation**
İfraz M., Çetinyokuş T.
43rd Operations Research and Industrial Engineering Congress , Trabzon, Turkey, 2 - 04 October 2024
- II. **Pre-Processing of Data Using Data Mining Technique for the Application of a Recommendation System for a Bank**
Kesat H., Çetinyokuş T., İfraz M.
4th International Graduate Studies Congress, 5 - 08 June 2024, pp.945-946
- III. **Latest Trends in Data to Text Generation: Key Issues, Applications and Methods**
İfraz M., Çetinyokuş T.
42nd Operations Research and Industrial Engineering Congress, Gaziantep, Turkey, 1 - 03 November 2023, pp.188
- IV. **Selection of an Air Defense System for the Republic of Turkey Using Multi Criteria Decision Making Methods**
Özcan S., Türker A. K., Ersöz S., İfraz M., Tebrizcik S.
2th International Materials Engineering and Advanced Manufacturing Technologies Congress (IMEAMTC'23), İstanbul, Turkey, 12 - 13 January 2023, pp.31-38
- V. **Routing Multiple UAVs with Simulated Annealing: a Multi Objective Approach**
İfraz M., Yıldız A. S., Özcan S., Daş G. S., Ersöz S.
3rd International Defense Industry Symposium, Kırıkkale, Turkey, 7 - 09 October 2021, vol.1, no.1, pp.21
- VI. **An Application of Spare Parts Demand Forecasting with Machine Learning Techniques in a Bus Fleet**
İfraz M., Ersöz S., Çetinyokuş T., Aktepe A.
IMSS21: 11TH INTERNATIONAL SYMPOSIUM ON INTELLIGENT MANUFACTURING AND SERVICE SYSTEMS, Sakarya, Turkey, 27 - 29 May 2021, pp.116-129

Supported Projects

Ersöz S., Türker A. K., Barışçı N., Çetinyokuş T., Aktepe A., TUBITAK Project, MAG-221M438: "Determination of Predictive Maintenance Periods with Deep Learning and Configuration Based Inventory Management and an Application in Ankara Metropolitan Municipality Ego Enterprise", 2021 - 2023

Metrics

Publication: 9

Citation (WoS): 9

Citation (Scopus): 16

H-Index (WoS): 1

H-Index (Scopus): 1

Scholarships

2211-A General Domestic Doctoral Scholarship, TUBITAK, 2023 - Continues

2250 - Performance-Based Scholarships Programme for PhD and Post-Doc Scholars, TUBITAK, 2023 - 2024

TÜBİTAK ARDEB 1001 SCHOLARSHIP, TUBITAK, 2022 - 2023

2250 - Performance-Based Scholarships Programme for PhD and Post-Doc Scholars, TUBITAK, 2022 - 2023

2210 - MSc Scholarship Program, TUBITAK, 2020 - 2021

Awards

İfraz M., Yanık E., Çetin Ö., 13th Interuniversity Logistics Case Competition, Lojistik Derneği (Loder), October 2016

İfraz M., Yanık E., Industrial Engineering Department Graduation Project First Place, Kırıkkale Üniversitesi Endüstri Mühendisliği Bölümü, June 2016

İfraz M., Graduate ranking first in class, Kırıkkale Üniversitesi , June 2016

Non Academic Experience

Company, SANKO Holding Textile Enterprises Inc., Production Department