

ÖMER FARUK BEYCA

ASSOCIATE PROFESSOR

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Address : İstanbul Teknik Üniversitesi İşletme Fakültesi Endüstri Mühendisliği Bölümü

Education

Conjunct doctoral 2007 1/Ocak/2013	Oklahoma State University/Endüstri Mühendisliği Thesis name: Sensor based real-time process monitoring for ultra-precision manufacturing processes with non-linearity and non-stationarity (2013) Thesis Advisor:(Zhenyu (James) Kong)
Bachelor's Degree 2003 25/Haziran/2007	FATİH UNIVERSITY->FACULTY OF ENGINEERING->DEPARTMENT OF INDUSTRIAL ENGINEERING->INDUSTRIAL ENGINEERING PR. (ENGLISH) (FULL SCHOLARSHIP)

Academic Title

ASSISTANT PROFESSOR 2015	ISTANBUL TECHNICAL UNIVERSITY/İŞLETME FAKÜLTESİ/ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ/ENDÜSTRİ MÜHENDİSLİĞİ ANABİLİM DALI
ASSISTANT PROFESSOR 2014-2015	FATİH UNIVERSITY/MÜHENDİSLİK FAKÜLTESİ/ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ/ENDÜSTRİ MÜHENDİSLİĞİ ANABİLİM DALI

Supervised Theses:

Yüksek Lisans

2024

- ŞAHİN MEHMET ALPER, (2024). Diabetic retinopathy classification with using deep learning, İstanbul Teknik Üniversitesi->Lisansüstü Eğitim Enstitüsü->Veri Mühendisliği ve İş Analitiği Ana Bilim Dalı (Tamamlandı)
- BADAY FATİH, (2024). Developing a new system for advertisement analysis using gaze and depth analysis methods, İstanbul Teknik Üniversitesi->Lisansüstü Eğitim Enstitüsü->Büyük Veri ve Veri Analitiği Ana Bilim Dalı (Tamamlandı)

2023

- BOZKURT ONUR, (2023). Business card as a bank product and establishment of a new business card tendency model, İstanbul Teknik Üniversitesi->Lisansüstü Eğitim Enstitüsü->Endüstri Mühendisliği Ana Bilim Dalı (Tamamlandı)

2021

- ŞENGÜN ALİ MERT, (2021). Elektrikli süpürge sektörü için müşteri memnuniyeti indeksi modeli: Kısmi en küçük karelerle yapısal eşitlik modelleme, İstanbul Teknik Üniversitesi->Lisansüstü Eğitim Enstitüsü-

>Endüstri Mühendisliği Ana Bilim Dalı (Tamamlandı)

5. KİRİŞ ZELİHA NUR, (2021). Rüzgar hızı yük tahmin modelleri ve Yalova bölgesinde bir uygulama, İstanbul Teknik Üniversitesi->Lisansüstü Eğitim Enstitüsü->Endüstri Mühendisliği Ana Bilim Dalı (Tamamlandı)

2020

6. NASER NAEIMI AVVAL ALI, (2020). An adaptive forecasting methodology by utilizing change point detection technique on time series, İstanbul Teknik Üniversitesi->Fen Bilimleri Enstitüsü->Endüstri Mühendisliği Ana Bilim Dalı (Tamamlandı)
7. TAHA ABDULLAH ENES, (2020). Yapay öğrenme yöntemleri ile akciğerdeki tümörlerin birincil kökenlerine göre sınıflandırılması, İstanbul Teknik Üniversitesi->Fen Bilimleri Enstitüsü->Endüstri Mühendisliği Ana Bilim Dalı (Tamamlandı)

2019

8. İMECE SALİH, (2019). Demand forecasting with individual and combined models in pharmaceutical industry, İstanbul Teknik Üniversitesi->Fen Bilimleri Enstitüsü->Endüstri Mühendisliği Ana Bilim Dalı (Tamamlandı)

2015

9. TOSUN TUĞBA, (2015). Food industry demand forecasting, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Endüstri Mühendisliği Ana Bilim Dalı (Tamamlandı)

Doktora

2022

10. YAZICI İBRAHİM, (2022). Short term electricity load forecasting with deep learning, İstanbul Teknik Üniversitesi->Lisansüstü Eğitim Enstitüsü->Endüstri Mühendisliği Ana Bilim Dalı (Tamamlandı)
11. GÜRCAN ÖMER FARUK, (2022). A hybrid deep learning metaheuristic model for diagnosis of diabetic retinopathy, İstanbul Teknik Üniversitesi->Lisansüstü Eğitim Enstitüsü->Endüstri Mühendisliği Ana Bilim Dalı (Tamamlandı)

2021

12. KHORSHEED RAGHAD MOHAMMED, (2021). Building sensor-based real-time predictive maintenance system by utilizing artificial intelligent techniques, İstanbul Teknik Üniversitesi->Lisansüstü Eğitim Enstitüsü->Endüstri Mühendisliği Ana Bilim Dalı (Tamamlandı)

Positions in Projects:

1. Finansal Modelleme Analiz ve Optimizasyon
Karar Destek Sistemi, Other Public Organisations (except for Higher Education Institutions),
Araştırmacı:ÖMER FARUK BEYCA, , 09/01/2020 - 09/01/2021 (NATIONAL)

Administrative Position

Co-head of Department 2018	İSTANBUL TECHNICAL UNIVERSITY->FACULTY OF BUSINESS ADMINISTRATION->DEPARTMENT OF INDUSTRIAL ENGINEERING->DEPARTMENT OF INDUSTRIAL ENGINEERING/İŞLETME FAKÜLTESİ/ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ/ENDÜSTRİ MÜHENDİSLİĞİ ANABİLİM DALI
Co-head of Department 2014	FATİH UNIVERSITY->FACULTY OF ENGINEERING->DEPARTMENT OF INDUSTRIAL ENGINEERING/MÜHENDİSLİK FAKÜLTESİ/ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ
Co-head of Department 2023-2026	İSTANBUL TECHNICAL UNIVERSITY->FACULTY OF BUSINESS ADMINISTRATION->DEPARTMENT OF INDUSTRIAL ENGINEERING/İŞLETME FAKÜLTESİ/ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ
Co-head of Department 2018-2021	İSTANBUL TECHNICAL UNIVERSITY->FACULTY OF BUSINESS ADMINISTRATION->DEPARTMENT OF INDUSTRIAL ENGINEERING/İŞLETME FAKÜLTESİ/ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ

Courses *

Öğrenim Dili Course Hour Semester

2023-2024

Bachelor's Degree Programme

DAN 101 - Akademik Danışmanlık	Turkish	2
END 476E - Machine Learning for Ind. Sys.	English	3

SED 313 - Machine Learning for Ind. Sys.	English	3
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Master Programme

VIA 503E - Applied Statistics	English	3
BVA 596E - Scien.Rese., Ethic&Seminar	English	2
BVA 527E - Mathematics for Machine Lear.	English	3
END 574E - Business Intell.&Mac.Lear.App.	English	3

2022-2023

Bachelor's Degree Programme

DAN 102 - Giriřimcilik & Kariyer Danıř.	Turkish	2
END 439E - Neural Network Mod.in Ind.Sys.	English	3
DAN 101 - Akademik Danıřmanlık	Turkish	2
END 476E - Machine Learning for Ind. Sys.	English	3

Master Programme

BVA 596E - Scien.Rese., Ethic&Seminar	English	3
VIA 528E - Deep Learning for Business App	English	3
VIA 502E - Data Mining for Business	English	3
VIA 514E - Recommender Systems	English	3
ITY 526 - Kurumsal Zeka&Veri Madencilięi	Turkish	3
BVA 528E - Deep Learning App in Business	English	3
VIA 503E - Applied Statistics	English	3
VIA 507E - Business Analytics for Manager	English	3
BVA 596E - Scien.Rese., Ethic&Seminar	English	2
BVA 527E - Mathematics for Machine Lear.	English	3
END 574E - Business Intell.&Mac.Lear.App.	English	3
BAN 805 - Predictive Analytics	English	3

Works

Articles published in international refereed journals:

1. DUMAN ALTAN AYLİN, BEYCA ÖMER FARUK, ZAIM SELİM (2024). Link between Digital Technologies Adoption and Sustainability Performance: Supply Chain Traceability/Resilience or Circular Economy Practices. Sustainability, 16, Doi: 10.3390/su16198694 (Publication No: 9288978)
2. ARI EMRE, ÜSTÜNDAĞ ALP, SİVRİ MAHMUT SAMİ, GÜRCAN ÖMER FARUK, BEYCA ÖMER FARUK, GÜLTEKİN BERKAY (2024). An Intelligent System for Determination of Stop -Loss and Take-Profit Limits: A Dynamic Decision Learning Approach via Fuzzy Soft Set Approach. JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, 43, 17 (Publication No: 9313694)
3. GÜRCAN ÖMER FARUK, ATICI UĞUR, BEYCA ÖMER FARUK (2023). A Hybrid Deep Learning-Metaheuristic Model for Diagnosis of Diabetic Retinopathy. Gazi University Journal of Science, Doi: 10.35378/gujs.919572 (Publication No: 7903635)
4. Mistarihi Mahmoud, Bany Salameh Haythem A., Alsaadi Mohammad Adnan, BEYCA ÖMER FARUK, Heilat Laila, Al-Shobaki Raya (2023). Energy-Efficient Bi-Objective Optimization Based on the Moth-Flame Algorithm for Cluster Head Selection in a Wireless Sensor Network. MDPI AG, 11, Doi: 10.3390/pr11020534 (Publication No: 8280099)

Articles published in international refereed journals:

5. YAZICI İBRAHİM, BEYCA ÖMER FARUK, DELEN DURSUN (2022). Deep-learning-based short-term electricity load forecasting: A real case application. *Engineering Applications of Artificial Intelligence*, 109, Doi: 10.1016/j.engappai.2021.104645 (Publication No: 7599722)
6. GÜRCAN ÖMER FARUK, BEYCA ÖMER FARUK, DOĞAN ONUR (2021). A Comprehensive Study of Machine Learning Methods on Diabetic Retinopathy Classification. *International Journal of Computational Intelligence Systems*, 14, Doi: 10.2991/ijcis.d.210316.001 (Publication No: 7115411)
7. Khorsheed Raghad M, BEYCA ÖMER FARUK (2020). An integrated machine learning: Utility theory framework for real-time predictive maintenance in pumping systems. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, 235, 95440542097051, Doi: 10.1177/0954405420970517 (Publication No: 6867247)
8. YAZICI İBRAHİM, BEYCA ÖMER FARUK, GÜRCAN ÖMER FARUK, Zaim Halil, Delen Dursun, ZAİM SELİM (2020). A comparative analysis of machine learning techniques and fuzzy analytic hierarchy process to determine the tacit knowledge criteria. *Annals of Operations Research* (Publication No: 6413140)
9. BEYCA ÖMER FARUK, ÇAYIR ERVURAL BEYZANUR, TATOĞLU EKREM, ÖZUYAR PINAR, ZAİM SELİM (2019). Using machine learning tools for forecasting natural gas consumption in the province of Istanbul. *Energy Economics*, 80, 937-949. (Publication No: 6021942)
10. DEMİREL ÖMER FAHRETTİN, OĞCU KAYA GAMZE, BEYCA ÖMER FARUK (2018). Forecasting Intermittent Demand Using the Cox Process.. *Journal of Multiple-Valued Logic Soft Computing* (Publication No: 6375094)
11. Liu Jia Peter, BEYCA ÖMER FARUK, Rao Prahalad K, Kong Zhenyu James, Bukkapatnam Satish T (2017). Dirichlet Process Gaussian Mixture Models for Real-Time Monitoring and Their Application to Chemical Mechanical Planarization. *IEEE Transactions on Automation Science and Engineering*, 14(1), 208-221., Doi: 10.1109/TASE.2016.2599436 (Publication No: 3462041)
12. ÖZEL PINAR, ÇAPRAZ AHMET GÜRCAN, ŞEVKLİ MEHMET, BEYCA ÖMER FARUK (2016). Fuel Consumption Models Applied to Automobiles Using Real time Data A Comparison of Statistical Models. *Procedia Computer Science*, 83, 774-781., Doi: 10.1016/j.procs.2016.04.166 (Publication No: 2819919)
13. BEYCA ÖMER FARUK, Rao Prahalad, Kong Zhenyu, Bukkapatnam Satish, Komanduri Ranga (2016). Heterogeneous Sensor Data Fusion Approach for Real time Monitoring in Ultraprecision Machining UPM Process Using Non Parametric Bayesian Clustering and Evidence Theory. *IEEE Transactions on Automation Science and Engineering*, 13(2), 1033-1044., Doi: 10.1109/TASE.2015.2447454 (Publication No: 2828683)
14. Prahalad Rao, Satish Bukkapatnam, Zhenyu Kong, BEYCA ÖMER FARUK, Kenneth Case, Ranga Komanduri (2015). Quantification of Ultraprecision Surface Morphology using an Algebraic Graph Theoretic Approach. *Procedia Manufacturing*, 1, 12-26., Doi: 10.1016/j.promfg.2015.09.025 (Publication No: 1664295)
15. Prahalad K Rao, BEYCA ÖMER FARUK, Zhenyu (James) Kong, Satish T Bukkapatnam, Kenneth E Case, Ranga Komanduri (2015). A graph theoretic approach for quantification of surface morphology variation and its application to chemical mechanical planarization process. *IIE Transactions*, 47(10), 1088-1111., Doi: 10.1080/0740817X.2014.1001927 (Publication No: 1664290)
16. Cheng Changqing, Akkarapol Sa-Ngasoongsong, BEYCA ÖMER FARUK, Trung Le, Hui Yang, Zhenyu (James) Kong, Bukkapatnam Satish TS (2015). Time series forecasting for nonlinear and non stationary processes a review and comparative study. *IIE Transactions*, 47(10), 1053-1071., Doi: 10.1080/0740817X.2014.999180 (Publication No: 1664290)
17. Prahalad Rao, Satish Bukkapatnam, BEYCA ÖMER FARUK, Zhenyu (James) Kong, Komanduri Ranga (2014). Real Time Identification of Incipient Surface Morphology Variations in Ultraprecision Machining Process. *Journal of Manufacturing Science and Engineering*, 136(2), 21008, Doi: 10.1115/1.4026210 (Publication No: 964364)
18. Prahalad K Rao, M Brij Bhushan, Bukkapatnam Satish T, Kong Zhenyu, Byalal Sanjay, BEYCA ÖMER FARUK, Fields Adam, Komanduri Ranga (2014). Process Machine Interaction PMI Modeling and Monitoring of Chemical Mechanical Planarization CMP Process Using Wireless Vibration Sensors. *IEEE Transactions on Semiconductor Manufacturing*, 27(1), 1-15., Doi: 10.1109/TSM.2013.2293095 (Publication No: 964359)
19. Zhenyu Kong, BEYCA ÖMER FARUK, Satish T Bukkapatnam, Komanduri Ranga (2011). Nonlinear Sequential Bayesian Analysis Based Decision Making for End Point Detection of Chemical Mechanical Planarization CMP Processes. *IEEE Transactions on Semiconductor Manufacturing*, 24(4), 523-532., Doi: 10.1109/TSM.2011.2164100 (Publication No: 964330)
20. Kong Zhenyu, Asil Oztekin, BEYCA ÖMER FARUK, Upendra Phatak, Satish Bukkapatnam, Ranga Komanduri (2010). Process Performance Prediction for Chemical Mechanical Planarization CMP by Integration of Nonlinear Bayesian Analysis and Statistical Modeling. *IEEE Transactions on Semiconductor Manufacturing*, 23(2), 316-327., Doi: 10.1109/TSM.2010.2046110 (Publication No: 964337)

B. Papers presented at international scientific meetings and published in proceedings :

1. ARSLAN NURULLAH, Nikov Alexander, KARACA FERHAT, BEYCA ÖMER FARUK (2004). NF BYPASS Analysis of Blood Flow Inside a Bypass Graft to Artery Connection using Adaptive Neuro Fu. International Conference on Computational Intelligence-ICCI 2004 (Full Text Publication/Oral Presentation) (Publication No: 8936815)
2. ARSLAN NURULLAH, Albayrak Ayşe Büşra, BEYCA ÖMER FARUK (2006). Wall Shear Stress Calculations Inside A Healthy Carotid Model Under Pulsatile Flow Conditions. International Conference on Modeling and Simulation (AMSE'06) (Full Text Publication/Oral Presentation) (Publication No: 8936831)
3. Rao Prahalad, BEYCA ÖMER FARUK (2010). Heterogeneous Wireless Sensing and Modeling of Chemical Mechanical Planarization Process for Microelectronic Applications.. CMP Back End Processes Review (Abstract/Oral Presentation) (Publication No: 8936847)
4. YAZICI İBRAHİM, TEMİZER LEYLA, BEYCA ÖMER FARUK (2018). Short Term Electricity Load Forecasting with a Nonlinear Autoregressive Neural Network with Exogenous Variables (NarxNet). Global Joint Conference on Industrial Engineering and Its Application Areas, GJCIE 2018 (Full Text Publication/Oral Presentation) (Publication No: 7905451)
5. GÜRCAN ÖMER FARUK, BEYCA ÖMER FARUK, ATICI UĞUR, ER ORHAN (2022). A Forecasting Study of Covid-19 Epidemic: Turkey Case. International Conference on Intelligent and Fuzzy Systems, Doi: 10.1007/978-3-031-09176-6_31 (Full Text Publication/Oral Presentation) (Publication No: 7905391)
6. SİVRİ MAHMUT SAMİ, Gültekin Ahmet Berkay, ÜSTÜNDAĞ ALP, BEYCA ÖMER FARUK, GÜRCAN ÖMER FARUK, ARI EMRE (2023). A Dynamic Feature Selection Technique for the Stock Price Forecasting. International Conference on Intelligent and Fuzzy Systems (Full Text Publication/Oral Presentation) (Publication No: 8860517)
7. SİVRİ MAHMUT SAMİ, Gültekin Ahmet Berkay, ÜSTÜNDAĞ ALP, BEYCA ÖMER FARUK, ARI EMRE, GÜRCAN ÖMER FARUK (2023). An Intelligent System for Determination of Stop – Loss and Take – Profit Limits: A Dynamic Decision Learning Approach. International Conference on Intelligent and Fuzzy Systems (Full Text Publication/Oral Presentation) (Publication No: 8845340)
8. BEYCA ÖMER FARUK (2022). EMPIRICAL MODE DECOMPOSITION BASED GRADIENT BOOSTING ALGORITHM FOR SHOR TERM NATURAL GAS DEMAND FORECASTING. 9. Uluslararası Akademik Araştırmalar Kongresi (Full Text Publication/Oral Presentation) (Publication No: 7871688)
9. Karakati? Sašo, Fister Dusan, BEYCA ÖMER FARUK, Fister Iztok Jr (2021). Optimized Class Decomposition for Fault Detection. 21st IEEE International Symposium on Computational Intelligence and Informatics (Full Text Publication/Oral Presentation) (Publication No: 7386112)
10. GÜRCAN ÖMER FARUK, BEYCA ÖMER FARUK, AKCAN ABDULLAH FATİH, ZAİM SELİM (2018). A Customer Satisfaction Study in an Airline Company Centered in Turkey. Global Joint Conference of Industrial Engineering and Its Application Areas (Full Text Publication/Oral Presentation) (Publication No: 4799154)
11. GÜRCAN ÖMER FARUK, YAZICI İBRAHİM, BEYCA ÖMER FARUK, Arslan Çiğdem, ELDEMİR FAHRETTİN (2016). Third Party Logistics 3PL Provider Selection with AHP Application. 12th International Strategic Management Conference, ISMC 2016, 235, 226-234., Doi: 10.1016/j.sbspro.2016.11.018 (Full Text Publication/Oral Presentation) (Publication No: 3348779)
12. ÇAYIR ERVURAL BEYZANUR, BEYCA ÖMER FARUK, ZAİM SELİM (2016). Model Estimation of ARMA Using Genetic Algorithms A Case Study of Forecasting Natural Gas Consumption. 12th International Strategic Management Conference, ISMC 2016, 235, 537-545., Doi: 10.1016/j.sbspro.2016.11.066 (Full Text Publication/Oral Presentation) (Publication No: 3348885)
13. Okumuş Doğançan, BEYCA ÖMER FARUK, Günelan Yavuz, ZAİM SELİM (2016). ARIMA ve NAR Doğrusal olmayan AR Yöntemleriyle Talep Tahmini Modellemesi. Uluslararası Katılımlı 16. Üretim Araştırmaları Sempozyumu (Full Text Publication/Oral Presentation) (Publication No: 3354352)
14. Rao Prahalad, Bukkapatnam Satish, Kong Zhenyu, BEYCA ÖMER FARUK, Case Kenneth, Komanduri Ranga (2015). Quantification of Ultraprecision Surface Morphology using an Algebraic Graph Theoretic Approach. 43rd North American Manufacturing Research Conference, NAMRC 43, 1, 12-26., Doi: 10.1016/j.promfg.2015.09.025 (Full Text Publication/Oral Presentation) (Publication No: 2855205)
15. BEYCA ÖMER FARUK, Rao Prahalad (2013). An Evidence Theoretic Heterogeneous Sensor Data Fusion Approach for Real time Monitoring in Ultraprecision Machining UPM Process. INFORMS World Conference (Abstract/Oral Presentation) (Publication No: 8936860)
16. BEYCA ÖMER FARUK (2012). Non parametric Bayesian control chart for Chemical Mechanical Planarization CMP Process Monitoring.. INFORMS World Conference (Abstract/Oral Presentation) (Publication No: 8936858)
17. BEYCA ÖMER FARUK (2011). Chemical Mechanical Planarization CMP Process Monitoring Using Evolutionary Clustering Analysis.. INFORMS World Conference (Abstract/Oral Presentation)

18. Rao Prahalad, BEYCA ÖMER FARUK (2010). An integrated Recurrent Predictor Neural Network Particle Filter RPNN PF approach for detection of process drifts. INFORMS World Conference (Abstract/Oral Presentation) (Publication No: 8936850)
19. BEYCA ÖMER FARUK (2009). Sequential Bayesian Decision Making for End Point Detection of Chemical Mechanical Planarization CMP Processes. INFORMS World Conference (Abstract/Oral Presentation) (Publication No: 8936838)
20. ARSLAN NURULLAH, BEŞİRLİ KAZİM, CÖMERT GÜRCAN, BEYCA ÖMER FARUK (2005). Computational Fluid Dynamic Simulations In A Model Of A Carotid Bifurcation Under Steady Flow Condit.. 4rd International Advanced Technologies Sym (Full Text Publication/Oral Presentation) (Publication No: 8936825)

C. Authored national/international books or chapters in books:

C2. Chapters written in national/international books:

1. Business Analytics for Professionals, Chapter name:(Prediction Modeling) (2022)., ALKAN NURŞAH, TURGUT YAKUP, ARI EMRE, ATA DEMİRKAN SEVAL, ULUKUŞ MEHMET YASİN, ERGÜN MEHMET ALİ, BEYCA ÖMER FARUK, Springer Series in Advanced Manufacturing, Editor:Ustundag Alp; Cevikcan, Emre ; Beyca, Omer Faruk, Edition no:1, Pages 63, ISBN:978-3-030-93823-9, English (Scientific Book) (Publication No: 7871338)
2. Business Analytics for Professionals, Chapter name:(Neural Networks and Deep Learning) (2022)., KIZILKAN ZEYNEP BURCU, SIVRİ MAHMUT SAMİ, YAZICI İBRAHİM, BEYCA ÖMER FARUK, Springer Series in Advanced Manufacturing, Editor:Ustundag Alp , Cevikcan Emre , Beyca Omer Faruk, Edition no:1, Pages 24, ISBN:978-3-030-93823-9, English (Scientific Book) (Publication No: 7871670)
3. Industrial Engineering in the Big Data Era. Lecture Notes in Management and Industrial Engineering, Chapter name:(Short Term Electricity Load Forecasting with a Nonlinear Autoregressive Neural Network with Exogenous Variables (NarxNet)) (2019)., YAZICI İBRAHİM,TEMİZER LEYLA,BEYCA ÖMER FARUK, Springer, Cham, Editor:Calisir F., Cevikcan E., Camgoz Akdag H., Edition no:1, ISBN:978-3-030-03316-3, English (Scientific Book) (Publication No: 5111623)
4. Industry 4.0: Managing The Digital Transformation, Chapter name:(Additive Manufacturing Technologies and Applications) (2018)., BEYCA ÖMER FARUK, HANÇERLİOĞULLARI KÖKSALMIŞ GÜLŞAH, YAZICI İBRAHİM, Springer, Editor:Ustundag Alp, Cevikcan Emre, Edition no:1, ISBN:978-3-319-57870-5, English (Scientific Book) (Publication No: 3591931)
5. Applying Predictive Analytics Within the Service Sector, Chapter name:(Clustering Techniques Within Service Sector) (2017)., YAZICI İBRAHİM,BEYCA ÖMER FARUK,ZAİM SELİM, IGI Global, Edition no:1, ISBN:1522521488, English (Scientific Book) (Publication No: 3462048)

D. Articles published in national refereed journals :

1. İmece Salih, BEYCA ÖMER FARUK (2022). İLAÇ SEKTÖRÜNDE ZAMAN SERİSİ VE REGRASYON BİRLEŞİK MODELLER İLE TALEP TAHMİNİ UYGULAMASI. International Journal of Advances in Engineering and Pure Sciences, Doi: 10.7240/jeps.1127844 (Control No: 7903657)
2. KİRİŞ ZELİHA NUR, BEYCA ÖMER FARUK, KOSANOĞLU FUAT (2022). Recurrent Neural Networks Based Wind Speed Forecasting Models: A Case Study of Yalova. Journal of Intelligent Systems: Theory and Applications, 5, Doi: 10.38016/jista.1120383 (Control No: 7903650)

E. Papers presented at national scientific meetings and published in

1. Okumuş Doğançan, BEYCA ÖMER FARUK, Günelan Yavuz, ZAİM SELİM (2016). ARIMA ve NAR Doğrusal olmayan AR Yöntemleriyle Talep Tahmini Modellemesi. Uluslararası Katılımlı 16. Üretim Araştırmaları Sempozyumu (Full Text Publication/Oral Presentation) (Publication No: 8936871)
2. ŞAHİN MEHMET ALPER,BEYCA ÖMER FARUK (2024). Diabetic Retinopathy Diagnosis with Image Processing. 32nd Signal Processing and Communications Applications Conference (SIU), Doi: 10.1109/SIU61531.2024.10601116 (Full Text Publication/Oral Presentation) (Publication No: 9400996)
3. GÜRCAN ÖMER FARUK, BEYCA ÖMER FARUK, OLUÇOĞLU MÜGE (2023). Diagnosis of Diabetic Retinopathy with Transfer Learning and Metaheuristic Algorithms. 2023 Innovations in Intelligent Systems and Applications Conference (ASYU), Doi: 10.1109/ASYU58738.2023.10296811 (Full Text Publication/Oral Presentation) (Publication No: 8845010)

Editor Position

1. Journal of Business Analytics (Other Index), Journal, Yayın Kurulu Üyeliği, Taylor & Francis, 01.01.2020

2. Special Issue "Machine Learning Techniques for Power and Energy Systems" (SCI-Expanded), Journal, Konuk Editör, MDPI, 01.03.2021
3. Business Analytics for Professionals, Book, Editor, Springer Series in Advanced Manufacturing, 31.07.2022