Res. Asst. PhD GÜLHAN TOĞA

Personal Information

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International Researcher IDs
ScholarID: OvFfQMgAAAAJ
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Publons / Web Of Science ResearcherID: AAT-1830-2021
ScopusID: 57205615807
Yoksis Researcher ID: 144041

Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği Ana Bilim Dalı, Turkey 2018 - 2022
Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği Ana Bilim Dalı, Turkey 2009 - 2012
Undergraduate, Gaziantep University, Faculty Of Engıneerıng, Endüstri Mühendilsiği Bölümü, Turkey 2003 - 2008

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Malzeme tipi farklı ürünlerin eklemeli imalat makinasında çizelgeleme problemi için çözüm yaklaşımları, Erciyes University, Fen Bilimleri Enstitüsü, 2022
Postgraduate, Koroner arter hastalarında stent implantasyonu sonrası ölümlerin Yapay Sinir Ağları ile tahminlemesi, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği Ana Bilim Dalı, 2011

Research Areas

Neural Networks, Industrial Engineering, Linear Programming, Heuristic Methods, Integer and Mixed Integer Programming, Scheduling, Modelling and Analysis of Production Systems, Technology and Inovation Management, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Erciyes University, Mühendislik Fakültesi, Endüstri Mühendisliği, 2009 - Continues

Courses

Üretim Planlama ve Kontrol , Undergraduate, 2022 - 2023

Kariyer Planlama, Undergraduate, 2022 - 2023

Mesleki İngilizce, Undergraduate, 2022 - 2023

Bilgi Sistemleri ve Bilgisayara Giriş, Undergraduate, 2022 - 2023

Süreç Yönetimi ve Kontrolü, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Single Batch Processing Machine Scheduling with Sequence-Dependent Setup Times and Multi-Material Parts in Additive Manufacturing**
Toksarı M. D., Toğa G.
CIRP JOURNAL OF MANUFACTURING SCIENCE AND TECHNOLOGY, vol.37, pp.302-311, 2022 (SCI-Expanded)

II. **COVID-19 prevalence forecasting using Autoregressive Integrated Moving Average (ARIMA) and Artificial Neural Networks (ANN): Case of Turkey**
TOĞA G., ATALAY B., TOKSARI M. D.
JOURNAL OF INFECTION AND PUBLIC HEALTH, vol.14, no.7, pp.811-816, 2021 (SCI-Expanded)

III. **Rheological analysis for detection of extra virgin olive oil adulteration with vegetable oils: predicting oil type by artificial neural network**
Dursun Çapar T., Kavuncuoğlu H., Yalçın H., Toğa G.
Quality Assurance And Safety Of Crops & Foods, vol.11, pp.687-699, 2019 (SCI-Expanded)

Articles Published in Other Journals

I. **A META MODEL FOR ASSEMBLY LINE BALANCING WITH LEARNING EFFECT AND PART FEEDING WITH SUPERMARKETS**
Toğa G., Toksarı M. D.
Production Engineering-Research and Development, vol.1, no.1, pp.1-10, 2024 (ESCI)

II. **Anthocyanin and bioactivity properties of berberis crategina DC. In buffer system and apple juice: impact of temperature, time, and pH; Prediction using artificial neural network**
Polat Kaya H., Koç T., Ekici L., Toğa G.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.42, no.2, pp.438-449, 2024 (ESCI)

III. **Diffusion and Substitution Effect on Telecommunication Technologies in TURKEY**
Toğa M., Toğa G.
Academic Platform-Journal of Engineering and Science, vol.7, no.3, pp.496-506, 2019 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Havacılık Endüstrisinde İş Sağlığı ve Güvenliği**
Atalay B., Toğa G., Toksarı M. D.
in: Havacılık Yönetimi ve Çağdaş Yaklaşımlar, Prof. Dr. Özgür Demirtaş, Editor, Nobel Yayın Dağıtım, Ankara, pp.229-244, 2023

II. **Modeling the Mortality Prediction of Patients With Stemi Undergoing Primary PCI Using Data Mining**
Zeydan M., Toğa G.
in: INTERNATIONAL RESEARCH IN HEALTH SCIENCES, Assoc. Prof. Dilek ATİK MD., Editor, Platanus Publishing, Ankara, pp.307-343, 2023

III. **Reducing Mirror Slippage of Nightstand with Plackett-Burman DOE and ANN Techniques**
ZEYDAN M., PALA G.
in: Total Quality Management and Six Sigma, Aized T. , Editor, Intech, Rijeka, pp.101-114, 2012

Refereed Congress / Symposium Publications in Proceedings

I. GREEN VEHICLE ROUTING PROBLEMS AND A CASE STUDY
Toğa G.
5. BİLSEL INTERNATIONAL EFES SCIENTIFIC RESEARCHES AND INNOVATION CONGRESS, İzmir, Turkey, 26 - 27
October 2024, pp.637-638

II. Usage of the Facial Action Coding System to predict customer gender profile: A neuro marketing
application in TURKEY
Gürbüz F., Toğa G.
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies, Ankara, Turkey, 19 - 21
October 2018

III. Türkiye'deki Sabit-Mobil İkame Etkisi Üzerine Bir Araştırma
TOĞA M., TOĞA G.
UMTEB III-Uluslararası Mesleki ve Teknik Bilimler Kongresi, Gaziantep, Turkey, 21 - 23 June 2018, pp.378

IV. Mobil İletişim Teknolojilerinin Türkiye'de Yayılımı ve Rekabeti
TOĞA M., TOĞA G.
UMTEB III-Uluslararası Mesleki ve Teknik Bilimler Kongresi, Gaziantep, Turkey, 21 - 23 June 2018, pp.379

V. Usage of artificial neural network as a tool of technology diffusion modelling
Toğa G., Gürbüz F.
ICENS-4. International Conference on Engineering and Natural Science, Kyyiv, Ukraine, 2 - 06 May 2018, pp.1231

VI. A Neuromarketing Application in TURKEY
GÜRBÜZ F., Akdal Ş., TOĞA G., Gültepe M.
ICENS-4. International Conference on Engineering and Natural Science, Kiev, Ukraine, 2 - 06 May 2018, pp.1232

VII. Reverse Logistic Network Design for Recycling of Solid Wastes
GÜRBÜZ F., Ertem A., Eren Y. E., TOĞA G.
ICENS-4. International Conference on Engineering and Natural Science, Kiev, Ukraine, 2 - 06 May 2018, pp.1233

VIII. Effects of new payment regulations on mobile phone diffusion in TURKEY
Dereli T., Toğa G., Durmuşoğlu A.
44th International Conference on Computers and Industrial Engineering and 9th International Symposium on
Intelligent Manufacturing and Service Systems, İstanbul, Turkey, 14 - 16 October 2014, pp.1883-1893

IX. On the bridges between two disciplines: Technology management-industrial engineering
Dereli T., TOĞA G., Durmusoglu A.
PICMET 2014, Kanazawa, Japan, 27 - 31 August 2014, pp.1515-1522

X. An emerging trend in Industrial Engineering: Technology Management publications
Dereli T., Toğa G., Durmuşoğlu A.
YAEM 2014, Bursa, Turkey, 25 - 27 June 2014, pp.117

XI. Veri Madenciliği Teknikleri İle Stent İmplantasyonu Sonrası Ölümlerin Tahmin Edilmesi
PALA G., ZEYDAN M.
YAEM 2012, İstanbul, Turkey, 1 - 04 June 2012, pp.127

XII. Reducing Variation of Dyeing Process in Textile Manufacturing Industry
Zeydan M., Pala G.
International Conference on Industrial and Information Engineering, Venice, Italy, 1 - 04 November 2011, pp.1626-
1634

Supported Projects

Değişkenliğinin Deney Tasarımı ile Azaltılması, 2010 - 2012

Memberships / Tasks in Scientific Organizations

PICMET, Member, 2014 - Continues

Metrics

Publication: 21
Citation (WoS): 22
Citation (Scopus): 37
H-Index (WoS): 2
H-Index (Scopus): 1

Congress and Symposium Activities

UMTEB III- Uluslararası Mesleki ve Teknik Bilimler Kongresi, Attendee, Gaziantep, Turkey, 2018
ICENS-4th International Conference on Engineering and Natural Sciences, Attendee, Kyyiv, Ukraine, 2018
IMSS 14 and CIE 44, Attendee, İstanbul, Turkey, 2014
PICMET 2014, Attendee, Kanazawa, Japan, 2014
YAEM 2014, Attendee, Bursa, Turkey, 2014
YAEM 2012, Attendee, İstanbul, Turkey, 2012
ICIIE 2011 : International Conference on Industrial and Information Engineering, Venice-Italy, 2011, Attendee, Italy, 2011