

# CELAL ÖZTÜRK

## PROF.

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### International Researcher IDs

ScholarID: [rtIL0boAAAAJ](https://orcid.org/0000-0003-3798-8123)

ORCID: 0000-0003-3798-8123

Publons / Web Of Science ResearcherID: A-8961-2012

ScopusID: 23091274400

Yoksis Researcher ID: 40034

## Learning Knowledge

Post Doctorate 2014 - 2014	University of London-Kings College London, Department Of Informatics, Bioinformatics, United Kingdom
Doctorate 2005 - 2011	Erciyes University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey
Postgraduate 2002 - 2004	Rutgers, The State University of New Jersey, Electrical & Computer Engineering, Software Engineering, United States Of America
Undergraduate 1996 - 2000	Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, Doktora, 2011, "Yapay Sinir Ağlarının Yapay Arı Kolonisi Algoritması ile Eğitilmesi", Erciyes Üniversitesi Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (2005 Eylül - 2011 Ocak) , Erciyes Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2011

Postgraduate, Yüksek Lisans, 2004, "Source-Location Privacy in Wireless Sensor Network Routing", Rutgers University, Graduate Program in Electrical and Computer Engineering (2002 Sep. - 2004 July), Rutgers, The State University Of New Jersey, Engineering Faculty, Computer Engineering, 2004

## Academic Titles / Tasks

Professor 2023 - Continues	Erciyes University, Mühendislik Fakültesi, --
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Associate Professor  
2017 - 2023

Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği

Assistant Professor  
2011 - 2017

Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği

Lecturer  
2007 - 2011

Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği

Research Assistant  
2004 - 2005

Dumlupınar Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği

## Supported Projects

1. Selçuklu S. B., Öztürk C., Muğaloğlu E., Arslan S., Bilgili F., TUBITAK Project, Agent-Based Simulation Model with Artificial Intelligence-Assisted Learning, Forecasting, and Optimization Algorithms for Electricity Markets and Market Analysis, 2023 - 2025
2. Taşyürek M., Öztürk C., TUBITAK Project, Büyük Hacimli Uydu Görüntülerinden Cnn Tabanlı Derin Öğrenme Yöntemleri Kullanarak Mekansal Konumlarıyla Birlikte Zamansal Yol ve Ev Tespiti, 2022 - 2025
3. ÖZTÜRK C., ÖZDİN E., Project Supported by Higher Education Institutions, Elektrik Piyasaları İçin Etmen Temelli Modelleme ve Benzetim, 2023 - 2024
4. ÖZTÜRK C., Project Supported by Higher Education Institutions, Web Tabanlı Otomatik Programlama Yazılım Platformu Geliştirilmesi, 2022 - 2023
5. NALBANTOĞLU Ö. U., GÜNDOĞDU A., ULU KILIÇ A., ALP MEŞE E., COŞKUN R., ÖZTÜRK C., TUBITAK Project, Yoğunbakım Ünitelerinde Mikrobiyom Bulaş Ağının Çıkarımı İçin Hesaplamalı Kaynak İz sürümü Yöntemlerinin Araştırılması Ve Geliştirilmesi, 2016 - 2019
6. Öztürk C., Project Supported by Other Official Institutions, Mobil Eğitim Yazılım Sistemi, 2015 - 2016
7. ÖZTÜRK C., Project Supported by Higher Education Institutions, Yapay Arı Koloni Algoritması ile Kablosuz Algılayıcı Ağlarda Lokalizasyon, 2012 - 2016
8. ÖZTÜRK C., EU Supported Other Project, Çağrı Merkezi Elemanı Yetiştirilmesi, 2012 - 2012
9. ÖZTÜRK C., EU Supported Other Project, Nitelikli Bilişim Çalışanları Eğitim Programı, 2011 - 2011
10. KARABOĞA D., ÖZTÜRK C., Project Supported by Higher Education Institutions, YAPAY ARI KOLONİ ALGORİTMASI İLE YAPAY SINIR AĞLARININ EĞİTİLMESİ, 2009 - 2011
11. ÖZTÜRK C., EU Supported Other Project, Bilgi Yönetimi Programı, 2010 - 2010
12. ÖZTÜRK C., TUBITAK Project, Kaftan Sürü Yönetim Süt Sağım ve Yemleme Otomasyonu, 2008 - 2010
13. ÖZTÜRK C., TUBITAK Project, Mopisan Kurumsal Kaynak Planlaması, 2006 - 2009

## Awards

1. ÖZTÜRK C., E-Fatura ve E-Ödeme Sistemi, Proje Danışmanı, E-Devlet Yenilikçi Proje Yarışması, May 2014

## Scholarships

Yurt Dışı Doktora Sonrası Araştırma Bursu, TUBITAK, 2013 - Continues

Microsoft Imagine Cup Yazılım Tasarımı Türkiye Finalisti, Other International Organizations, 2012 - Continues

IBM Yazılım Akademisi Yarışması Türkiye Finalisti, Other International Organizations, 2009 - Continues  
Microsoft Imagine Cup Yazılım Tasarımı Türkiye İkinciliği, Other International Organizations, 2008 - Continues  
Yurt İçi Doktora Bursu, TÜBİTAK, 2006 - Continues  
Öğretici Asistanlık (TA) Teklifi, Official Institutions of Foreign Countries, 2004 - Continues  
Yurt Dışı Yüksek Lisans Bursu, Ministry of Education, 2002 - Continues  
Mezuniyet Derecesi, Fakülte Birincisi, University, 2000 - Continues  
Lisans Öğrenim Bursu, Other International Organizations, 1998 - Continues  
Lisans Öğrenim Bursu, Foundation, 1997 - Continues

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

- 1. DGAG: A Novel Approach That Detects Green Areas With Geolocation From Large-Scale Satellite Imaging Instance Segmentation and GIS Application**  
Taşyürek M., Kılıçkaya F. N., ÖZTÜRK C.  
Transactions in GIS, vol.28, no.8, pp.2742-2762, 2024 (SSCI)
- 2. DSHFS: a new hybrid approach that detects structures with their spatial location from large volume satellite images using CNN, GeoServer and TileCache**  
Taşyürek M., Türkdamar M. U., ÖZTÜRK C.  
Neural Computing and Applications, vol.36, no.3, pp.1237-1259, 2024 (SCI-Expanded)
- 3. A comprehensive review of automatic programming methods**  
ARSLAN S., ÖZTÜRK C.  
Applied Soft Computing, vol.143, 2023 (SCI-Expanded)
- 4. A Novel YOLOv5 Deep Learning Model for Handwriting Detection and Recognition**  
Moustapha M., Tasyurek M., ÖZTÜRK C.  
International Journal on Artificial Intelligence Tools, vol.32, no.4, 2023 (SCI-Expanded)
- 5. Transfer learning and fine-tuned transfer learning methods' effectiveness analyse in the CNN-based deep learning models**  
Öztürk C., Taşyürek M., Türkdamar M. U.  
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.35, no.4, 2023 (SCI-Expanded)
- 6. A fine-tuned YOLOv5 deep learning approach for real-time house number detection**  
Taşyürek M., ÖZTÜRK C.  
PeerJ Computer Science, vol.9, 2023 (SCI-Expanded)
- 7. Optimization of Climatic Conditions Affecting Determination of the Amount of Water Needed by Plants in Relation to Their Life Cycle with Particle Swarm Optimization, and Determining the Optimum Irrigation Schedule**  
Bulbul M. A., ÖZTÜRK C., Isik M. F.  
COMPUTER JOURNAL, vol.65, no.10, pp.2654-2663, 2022 (SCI-Expanded)
- 8. Stress Analysis of 2D-FG Rectangular Plates with Multi-Gene Genetic Programming**  
Demirbaş M. D., Çakır D., Öztürk C., Arslan S.  
APPLIED SCIENCES, vol.12, no.16, pp.8198-8212, 2022 (SCI-Expanded)
- 9. Optimization, Modeling and Implementation of Plant Water Consumption Control Using Genetic Algorithm and Artificial Neural Network in a Hybrid Structure**  
BÜLBÜL M. A., ÖZTÜRK C.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.47, no.2, pp.2329-2343, 2022 (SCI-Expanded)
- 10. MANAGING PRODUCTION PROCESS IN A PET RESIN INDUSTRY USING DATA MINING AND GENETIC PROGRAMMING**  
DENİZHAN B., GÜRBÜZ F., ÖZTÜRK C.  
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING-THEORY APPLICATIONS AND PRACTICE, vol.29, no.5, pp.607-617, 2022 (SCI-Expanded)
- 11. DDL: A new deep learning based approach for multiple house numbers detection and clustering**

TAŞYÜREK M., ÖZTÜRK C.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.37, no.2, pp.843-856, 2022 (SCI-Expanded)

12. **Sizing and layout optimization of truss structures with artificial bee colony algorithm**  
Jawad F. K., Öztürk C., Dansheng W., Mahmood M., Al-Azzawi O., Al-Jemely A.  
Structures, vol.30, pp.546-559, 2021 (SCI-Expanded)
13. **Solving differential equations with artificial bee colony programming**  
Boudouaoui Y., Habbi H., ÖZTÜRK C., KARABOĞA D.  
SOFT COMPUTING, vol.24, no.23, pp.17991-18007, 2020 (SCI-Expanded)
14. **Feature selection and classification of metabolomics data using artificial bee colony programming (ABCP)**  
ÖZTÜRK C., Tarim M., Arslan S.  
INTERNATIONAL JOURNAL OF DATA MINING AND BIOINFORMATICS, vol.23, no.2, pp.101-118, 2020 (SCI-Expanded)
15. **Artificial Bee Colony Programming Descriptor for Multi-Class Texture Classification**  
Arslan S., ÖZTÜRK C.  
APPLIED SCIENCES-BASEL, vol.9, no.9, 2019 (SCI-Expanded)
16. **Multi Hive Artificial Bee Colony Programming for high dimensional symbolic regression with feature selection**  
Arslan S., Öztürk C.  
APPLIED SOFT COMPUTING, vol.78, pp.515-527, 2019 (SCI-Expanded)
17. **Modified multiple search cooperative foraging strategy for improved artificial bee colony optimization with robustness analysis**  
Harfouchi F., Habbi H., ÖZTÜRK C., KARABOĞA D.  
Soft Computing, pp.6371-6394, 2018 (SCI-Expanded)
18. **Closed-form design equations for asymmetric coplanar strip line with an infinitely wide strip**  
YILDIZ C., Kisioglu H., ÖZTÜRK C.  
ELECTROMAGNETICS, vol.37, no.6, pp.411-421, 2017 (SCI-Expanded)
19. **A new artificial bee colony algorithm to solve the multiple sequence alignment problem**  
ÖZTÜRK C., Arslan S.  
INTERNATIONAL JOURNAL OF DATA MINING AND BIOINFORMATICS, vol.14, no.4, pp.332-353, 2016 (SCI-Expanded)
20. **A new vision of evaluating gene expression signatures**  
Lai H., ÖZTÜRK C., Albrecht A., Steinhoefel K.  
COMPUTATIONAL BIOLOGY AND CHEMISTRY, vol.57, pp.54-60, 2015 (SCI-Expanded)
21. **Improved clustering criterion for image clustering with artificial bee colony algorithm**  
OZTURK C., Hancer E., KARABOĞA D.  
PATTERN ANALYSIS AND APPLICATIONS, vol.18, no.3, pp.587-599, 2015 (SCI-Expanded)
22. **A novel binary artificial bee colony algorithm based on genetic operators**  
OZTURK C., Hancer E., KARABOĞA D.  
INFORMATION SCIENCES, vol.297, pp.154-170, 2015 (SCI-Expanded)
23. **Dynamic clustering with improved binary artificial bee colony algorithm**  
OZTURK C., Hancer E., KARABOĞA D.  
APPLIED SOFT COMPUTING, vol.28, pp.69-80, 2015 (SCI-Expanded)
24. **Self-generated fuzzy systems design using artificial bee colony optimization**  
HABBI H., BOUDOUAOUI Y., KARABOĞA D., OZTURK C.  
INFORMATION SCIENCES, vol.295, pp.145-159, 2015 (SCI-Expanded)
25. **A comprehensive survey: artificial bee colony (ABC) algorithm and applications**  
KARABOĞA D., GÖRKEMLİ B., ÖZTÜRK C., KARABOĞA N.  
ARTIFICIAL INTELLIGENCE REVIEW, vol.42, no.1, pp.21-57, 2014 (SCI-Expanded)
26. **AUTOMATIC CLUSTERING WITH GLOBAL BEST ARTIFICIAL BEE COLONY ALGORITHM**

OZTURK C., Hancer E., KARABOĞA D.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.29, no.4, pp.677-687, 2014 (SCI-Expanded)

27. **Color Image Quantization: A Short Review and an Application with Artificial Bee Colony Algorithm**  
ÖZTÜRK C., Hancer E., KARABOĞA D.  
INFORMATICA, vol.25, no.3, pp.485-503, 2014 (SCI-Expanded)
28. **Artificial bee colony programming for symbolic regression**  
KARABOĞA D., ÖZTÜRK C., KARABOĞA N., GÖRKEMLİ B.  
INFORMATION SCIENCES, vol.209, pp.1-15, 2012 (SCI-Expanded)
29. **Cluster based wireless sensor network routing using artificial bee colony algorithm**  
KARABOĞA D., ÖKDEM S., ÖZTÜRK C.  
WIRELESS NETWORKS, vol.18, no.7, pp.847-860, 2012 (SCI-Expanded)
30. **Artificial bee colony algorithm for dynamic deployment of wireless sensor networks**  
ÖZTÜRK C., KARABOĞA D., GÖRKEMLİ B.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.20, no.2, pp.255-262, 2012 (SCI-Expanded)
31. **Probabilistic Dynamic Deployment of Wireless Sensor Networks by Artificial Bee Colony Algorithm**  
ÖZTÜRK C., KARABOĞA D., GÖRKEMLİ B.  
SENSORS, vol.11, no.6, pp.6056-6065, 2011 (SCI-Expanded)
32. **A novel clustering approach: Artificial Bee Colony (ABC) algorithm**  
KARABOĞA D., ÖZTÜRK C.  
APPLIED SOFT COMPUTING, vol.11, no.1, pp.652-657, 2011 (SCI-Expanded)
33. **THE ARTIFICIAL BEE COLONY ALGORITHM IN TRAINING ARTIFICIAL NEURAL NETWORK FOR OIL SPILL DETECTION**  
ÖZKAN C., ÖZTÜRK C., Sunar F., KARABOĞA D.  
NEURAL NETWORK WORLD, vol.21, no.6, pp.473-492, 2011 (SCI-Expanded)
34. **Fuzzy clustering with artificial bee colony algorithm**  
KARABOĞA D., ÖZTÜRK C.  
SCIENTIFIC RESEARCH AND ESSAYS, vol.5, no.14, pp.1899-1902, 2010 (SCI-Expanded)
35. **NEURAL NETWORKS TRAINING BY ARTIFICIAL BEE COLONY ALGORITHM ON PATTERN CLASSIFICATION**  
KARABOĞA D., ÖZTÜRK C.  
NEURAL NETWORK WORLD, vol.19, no.3, pp.279-292, 2009 (SCI-Expanded)

## Articles Published in Other Journals

1. **Leveraging YOLO Models for Safety Equipment Detection on Construction Sites**  
Çiftçi M., Türkdamar M. U., Öztürk C.  
Journal of Computing Theories and Applications, vol.1, no.4, pp.492-506, 2024 (Peer-Reviewed Journal)
2. **MR Görüntülerinde Evrişimli Sinir Ağlar Kullanılarak Alzheimer Hastalık Tespiti**  
ÜNLÜLEBLEBİCİ S., TAŞYÜREK M., ÖZTÜRK C.  
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.39, no.3, 2023 (Peer-Reviewed Journal)
3. **Helmet detection on the construction site with transfer learning and without transfer learning deep networks**  
Türkdamar M. U., TAŞYÜREK M., ÖZTÜRK C.  
Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.12, no.1, pp.39-51, 2023 (Peer-Reviewed Journal)
4. **Derin Öğrenme Yöntemi ile İç Anadolu Bölgesi ve Çevresi Hava Kirliliği Tahmini**  
AYDIN S., TAŞYÜREK M., ÖZTÜRK C.  
Avrupa Bilim ve Teknoloji Dergisi, vol.29, pp.168-173, 2021 (Peer-Reviewed Journal)

5. **Traffic Density Estimation using Machine Learning Methods**  
AYDIN S., TAŞYÜREK M., ÖZTÜRK C.  
Journal of Artificial Intelligence and Data Science, vol.1, no.2, pp.136-143, 2021 (Peer-Reviewed Journal)
6. **ABC-Based Optimization of Cluster Head Selection in Wireless Sensor Networks**  
Karim S. M., ÖZTÜRK C., Mahmood M. K.  
INTERNATIONAL JOURNAL ON ELECTRICAL ENGINEERING AND INFORMATICS, vol.13, pp.287-296, 2021 (Scopus)
7. **A comparative study of automatic programming techniques**  
Arslan S., ÖZTÜRK C.  
Informatica (Slovenia), vol.43, no.2, pp.281-289, 2019 (Scopus)
8. **Artificial Bee Colony Programming for Feature Selected Cancer Data Classification**  
ARSLAN S., ÖZTÜRK C.  
International Journal of Scientific and Technological Research, vol.4, pp.75-84, 2018 (Peer-Reviewed Journal)
9. **Equivalent stress analysis of functionally graded rectangular plates by genetic programming**  
DEMİRBAŞ M. D., Çakır D., Arslan S., ÖZTÜRK C.  
International Scientific and Vocational Studies Journal, vol.2, no.1, pp.67-80, 2018 (Peer-Reviewed Journal)
10. **Protein Structure Prediction with Discrete Artificial Bee Colony Algorithm**  
Batbat T., Öztürk C.  
International Journal of Informatics Technologies, vol.9, no.3, pp.263-274, 2016 (Peer-Reviewed Journal)
11. **Prediction of electricity energy consumption of Turkey via artificial bee colony: a case study**  
GÜRBÜZ F., ÖZTÜRK C., Pardalos P.  
Energy Systems, vol.4, no.3, pp.289-300, 2013 (Scopus)
12. **Artificial Bee Colony ABC Optimization Algorithm For Training Feed Forward Neural Networks Bu çalışma LNCS tarafından konferans yayınından makale olarak yayınlanmıştır**  
KARABOĞA D., AKAY B., ÖZTÜRK C.  
LNCS: Modeling Decisions for Artificial Intelligence, vol.4617, pp.318-329, 2007 (Scopus)

## Books & Book Chapters

1. **Feature Selection for Classification with Artificial Bee Colony Programming**  
Öztürk C., Arslan S.  
in: Swarm Intelligence - Recent Advances, New Perspectives and Applications, Dr. Javier Del Ser Lorente, Dr. Esther Villar Rodríguez, Dr. Eneko Osaba, Editor, IntechOpen, London, pp.1-18, 2019

## Refereed Congress / Symposium Publications in Proceedings

1. **Spatial and Spatiotemporal Clustering Algorithms in Data Mining**  
Moustapha M., ÖZTÜRK C.  
3rd International Conference on Data, Electronics and Computing (ICDEC24), 18 - 20 September 2024
2. **Storing and Transferring Data of Parallel Agents to the Parent Process in Agent-Based Simulations**  
ÖZDİN E., SELÇUKLU S. B., ÖZTÜRK C.  
The 32nd IEEE Conference on Signal Processing and Communications Applications (SIU24), 15 - 18 May 2024
3. **DERİN ÖĞRENME ALGORİTMASI YOLO İLE BEYİN TÜMÖRÜ SINIFLANDIRILMASI**  
ÜNLÜLEBLEBİCİ S., KAÇMAZ R. N., ÖZTÜRK C.  
I. BİLSEL INTERNATIONAL ÇATALHÖYÜK SCIENTIFIC RESEARCHES CONGRESS, Turkey, 28 - 29 October 2023
4. **Geri Dönüştürülebilir Atıkların Önerilen Derin Öğrenme Modeli ile Sınıflandırılması**  
SARICA KEÇECİ H., ÖZTÜRK C.  
The 10th International Management Information Systems Conference, Turkey, 18 October 2023
5. **Cross Site Scripting (XSS) Saldırılarının Sınıflandırılması için Yapay Arı Kolonisi Algoritması Temelli Evrimsel Sinir Ağı**

BOZOĞULLARINDAN E., ÖZTÜRK C.

Innovations in Intelligent Systems and Applications Conference, Turkey, 11 - 13 October 2023

6. **Detection of Turkish Fraudulent Domain Names to Proactively Prevent Phishing Attacks Using A Character-Level Convolutional Neural Network**  
BOZOĞULLARINDAN C., ÖZTÜRK C.  
Innovations in Intelligent Systems and Applications Conference, Turkey, 11 - 13 October 2023
7. **Field Detection from Satellite Images with Deep Learning Methods**  
Türkdamar M. U., Taşyürek M., ÖZTÜRK C.  
6th International Conference on Inventive Computation Technologies, ICICT 2023, Lalitpur, Nepal, 26 - 28 April 2023, pp.1-8
8. **X-Ray Filmlerinden Transfer Öğrenmeli Faster R-CNN Derin Öğrenme ile Zatürre Tespiti**  
TÜRKDAMAR M. U., TAŞYÜREK M., ÖZTÜRK C.  
IV. INTERNATIONAL TURKIC WORLD CONGRESS ON SCIENCE AND ENGINEERING, Niğde, Turkey, 23 June 2022
9. **MR Görüntüleri Ön İşlenerek Derin Ağlar ile Alzheimer Hastalık Tespiti**  
ÜNLÜLEBLEBİCİ S., TAŞYÜREK M., ÖZTÜRK C.  
International Conference On Emerging Sources In Science, İstanbul, Turkey, 26 May 2022
10. **Uzun Süreli Kısa Bellek Ağı Yöntemi ile Trafik Yoğunluk Tahmini**  
AYDIN S., TAŞYÜREK M., ÖZTÜRK C.  
International Conference on Artificial Intelligence and Data Science, Turkey, 26 November 2021
11. **Derin Öğrenme Yöntemi ile İç Anadolu Bölgesi ve Çevresi Hava Kirliliği Tahmin**  
AYDIN S., TAŞYÜREK M., ÖZTÜRK C.  
International Symposium on Multidisciplinary Studies and Innovative Technologies, Turkey, 21 October 2021
12. **Indoor Positioning Using Ultra-Wideband Technology**  
AYDIN S., ÖZTÜRK C.  
International Congress on Art and Design Research and Exhibition, Turkey, 21 June 2021
13. **Time Series Modeling and Forecasting of the Covid-19 Pandemic in Turkiye Using Multi Gene Genetic Programming**  
ARSLAN S., ÖZTÜRK C.  
III. International Conference on COVID-19 Coronavirus Studies, 25 - 27 December 2020
14. **Transfer Learning in Artificial Bee Colony Programming**  
Bozoğullarından E., Bozoğullarından C., Öztürk C.  
Innovations in Intelligent Systems and Applications Conference (ASYU), 15 - 17 October 2020, pp.1-7
15. **Optimization Clustering Routing Techniques in Wireless Sensor Networks**  
Ahmed A. H., ÖZTÜRK C., Lafta W. M., Nasif M. A.  
2nd Scientific Conference of Computer Sciences (SCCS), 27 - 28 March 2019
16. **Bulut Tabanlı Yapay Arı Koloni Programlama Web Uygulaması**  
BOZOĞULLARINDAN C., ÖZTÜRK C.  
Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı, 31 October - 02 November 2019
17. **Cloud-based Artificial Bee Colony Programming Web Application Bulut Tabanlı Yapay Arı Koloni Programlama Web Uygulaması**  
BOZOĞULLARINDAN C., ÖZTÜRK C.  
2019 Innovations in Intelligent Systems and Applications Conference, ASYU 2019, İzmir, Turkey, 31 October - 02 November 2019
18. **Alternative Approach of Patient Monitoring System Based on Internet of Things**  
MOUSTAPHA M., ÖZTÜRK C.  
II. International Science and Academic Congress (INSAC) 2019, 19 - 20 April 2019
19. **Two-Dimensional Error Estimation in Point Positioning with Fuzzy Logic Bulanık Mantık İle Nokta Konum Belirlemede İki Boyutlu Hata Tahmini**  
Bülbül M. A., ÖZTÜRK C., İlçi V., Ozulu I. M.  
2018 International Conference on Artificial Intelligence and Data Processing, IDAP 2018, Malatya, Turkey, 28 - 30 September 2018

20. **Bulanık Mantık İle Nokta Konum Belirlemede İki Boyutlu Hata Tahmini**  
BÜLBÜL M. A., ÖZTÜRK C., İLÇİ V., OZULU İ. M.  
International Conference on Artificial Intelligence and Data Processing (IDAP 2018), 28 - 30 September 2018
21. **Görsel Motor Algılama Testi İçin Bir Uzman Sistem Tasarımı**  
BÜLBÜL M. A., ÖZTÜRK C.  
II. International Scientific and Vocational Studies Congress, 5 - 07 July 2018
22. **Feature selected cancer data classification with genetic programming Genetik programlama ile kanser verisinin öznitelik Seçilerek Sınıflandırılması**  
Arslan S., ÖZTÜRK C.  
21st National Biomedical Engineering Meeting, BIYOMUT 2017, İstanbul, Turkey, 24 - 26 November 2017
23. **Çok Sınıflı Desenli Sınıflandırma Problemi için Genetik Programlama Tanımlayıcı**  
ARSLAN S., ÖZTÜRK C.  
The International Conference on Innovative Engineering Applications, 20 - 22 September 2018
24. **Equivalent stress analysis of functionally graded plates by genetic programming**  
DEMİRBAŞ M. D., ÖZTÜRK C., Arslan S., Çakır D.  
II. International Scientific and Vocational Studies Congress (BILMES 2018), Nevşehir, Turkey, 5 - 08 July 2018, pp.553-554
25. **AKADEMİK BENLİK KAVRAMI ÖLÇEĞİ UYGULAMASI İÇİN UZMAN SİSTEM TASARIMI**  
Aruk İ., Ökdem S., Öztürk C.  
III. ULUSLARARASI MESLEKİ VE TEKNİK BİLİMLER KONGRESİ, Gaziantep, Turkey, 21 - 22 June 2018, pp.361-366
26. **An Application to Intrusion Prevention in Wireless Networks**  
Hamzah M., ÖZTÜRK C.  
International Conference on Engineering Technologies (ICENTE17), Konya, Turkey, 7 - 09 December 2017, pp.87-91
27. **Feature Selected Cancer Data Classification with Genetic Programming**  
Arslan S., ÖZTÜRK C.  
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Gültekin M., Sağiroğlu A., Şenol S., Gümüş K., Öztürk C., Acer N., MİRZA M.  
17. Ulusal Anatomi Kongresi, Eskişehir, Turkey, 5 - 09 September 2016, pp.134
33. **A Parallel Implementation of Artificial Bee Colony Algorithm within CUDA Architecture**  
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37. **Distance Estimation Based Filter RSSI for Indoor Wireless Sensor Networks**  
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The 6th European Conference of Computer Science, 7 - 11 November 2015
38. **Microarray Gene Expression Data Clustering with Artificial Bee Colony Algorithm**  
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39. **Fuzzy Rule-Based Modeling Of Thermal Heat Exchanger Dynamics Through Swarm Bee Colony Optimization**  
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International Conference On Technology and Sciences (ICAT'15), Antalya, Turkey, 4 - 07 August 2015, pp.1-5
40. **Ayrık Yapay Arı Koloni Algoritması İle Biyolojik Dizilerin Hizalanması**  
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23. Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU2015), Malatya, Turkey, 16 May 2016 - 19 May 2015, pp.1-5
41. **An M-Learning Tool for Pre-School Kids**  
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42. **Stenier-based energy efficient multicast routing for wireless sensor networks**  
Katerinchuk V., ÖZTÜRK C.  
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43. **Alignment of Biological Sequences by Discrete Artificial Bee Colony Algorithm**  
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23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.678-681
44. **Eğitimde Bilişimle Kalkınma için Mobil Eğitim Uygulamaları**  
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II. KOP Bölgesel Kalkınma Sempozyumu, Niğde, Turkey, 23 - 24 October 2014, pp.1-6
45. **Extraction Of Brain Tumors From Mri Images With Artificial Bee Colony Based Segmentation Methodology**  
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46. **A Novel Modulation Recognition Technique Based on Artificial Bee Colony Algorithm in the Presence of Multipath Fading Channels**  
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47. **A New Modulation Recognition Method Based on Artificial Bee Colony Algorithm**  
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IEEE 21th Signal Processing and Communications Applications (SIU), Girne, Cyprus (Kktc), 24 - 26 April 2013,

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48. **Yapay Arı Kolonisi Programlama ile Sistem Modelleme**  
GÖRKEMLİ B., ÖZTÜRK C., KARABOĞA D.  
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51. **An Application of Wireless Sensor Network Routing based on Artificial Bee Colony Algorithm**  
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IEEE Congress on Evolutionary Computation (CEC), Louisiana, United States Of America, 5 - 08 June 2011, pp.326-330
52. **Hybrid Artificial Bee Colony Algorithm for Neural Network Training**  
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IEEE Congress on Evolutionary Computation (CEC), Louisiana, United States Of America, 5 - 08 June 2011, pp.84-88
53. **Cluster based wireless sensor network routings using Artificial Bee Colony Algorithm**  
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54. **Artificial Bee Colony Algorithm for Dynamic Deployment of Wireless Sensor Networks (Bu çalışma seçilip Turkish Journal of ElecEng CompSci dergisi tarafından makale olarak yayınlanmıştır)**  
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55. **Artificial Bee Colony Algorithm trained Neural Networks for Time-Series Prediction Problem**  
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International Symposium on INovations in Intelligent Systems and Applications, Turkey, 1 - 04 July 2009, pp.286-291
56. **Classification by Neural Networks and Clustering with Artificial Bee Colony (ABC) Algorithm**  
ÖZTÜRK C., KARABOĞA D.  
6th International Symposium on Intelligent and Manufacturing Systems, Turkey, 1 - 04 November 2008, pp.1-5
57. **Artificial bee colony (ABC) optimization algorithm for training feed-forward neural networks**  
KARABOĞA D., AKAY B., ÖZTÜRK C.  
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58. **Training Neural Networks With ABC Optimization Algorithm On Medical Pattern Classification**  
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59. **Sınıflandırma Problemleri için Yapay Sinir Ağlarının Yapay Arı Koloni Algoritması (ABC) ile Eğitilmesi**  
ÖZTÜRK C., KARABOĞA D.  
BUMAT2008, Eskişehir, Turkey, 1 - 04 October 2007, pp.713-720
60. **Kablosuz Sensör Ağları Dolaşımında Veri Gizliliği**  
ÖZTÜRK C., KARABOĞA D.

Ulusal Elektronik İmza Sempozyumu, Ankara, Turkey, 1 - 04 December 2006, pp.1-5

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25th International Conference on Distributed Computing Systems (ICDCS), Washington, Dc, United States Of America, 6 - 10 June 2005, pp.1-5

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ÖZTÜRK C., Zhang Y., Trappe W., Ott M.

2nd IEEE Workshop on Software Technologies for Embedded and Ubiquitous Computing Systems (WSTFEUS), Vienna, Austria, 11 - 12 May 2004, pp.68-73

## Academic and Administrative Experience

2023 - Continues	<b>Head of Department</b>	Erciyes University, Mühendislik Fakültesi, --
2023 - Continues		Erciyes University
2023 - Continues		Erciyes University
2020 - Continues		Erciyes University
2019 - Continues	<b>Manager of Research and Application Center</b>	Erciyes University
2019 - Continues		Erciyes University
2018 - Continues	<b>ERUZEM, Yönetim Kurulu Üyesi</b>	Erciyes University
2018 - Continues		Erciyes University
2016 - Continues		Erciyes University
2012 - Continues		Erciyes University
2020 - 2023	<b>Fakülte Yönetim Kurulu Üyesi</b>	Erciyes University, Mühendislik Fakültesi
2017 - 2023	<b>Deputy Head of Department</b>	Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği
2017 - 2023		Erciyes University
2013 - 2023		Erciyes University
2012 - 2023		Erciyes University
2011 - 2019		Erciyes University
2011 - 2014		Erciyes University
2010 - 2012		Erciyes University

## Courses

Veritabanı Yönetim Sistemleri, Undergraduate, 2016 - 2017  
Kalabosuz Algılayıcı Ağları, Postgraduate, 2016 - 2017  
Sistem Analizi, Undergraduate, 2015 - 2016  
Yazılım Mühendisliği, Undergraduate, 2016 - 2017  
C Programlama, Undergraduate, 2015 - 2016  
Veritabanı Programlama, Undergraduate, 2016 - 2017  
Advanced Software Engineering, Postgraduate, 2015 - 2016  
Dosya Organizasyon Teknikleri, Undergraduate, 2015 - 2016  
Yapay Sinir Ağları, Postgraduate, 2011 - 2012

## Advising Theses

Öztürk C., Transfer öğrenme kullanılarak yapay arı koloni programlama, Postgraduate, E.BOZOĞULLARINDAN(Student), 2019  
ÖZTÜRK C., Nesnelerin İnternete Dayanan Akıllı Sağlık Bakım Sistemi Geliştirilmesi, Postgraduate, M.MOUSTAPHA(Student), 2019  
Öztürk C., Makine öğrenmesi uygulamalarında yapay arı koloni programlama temelli yeni yöntemlerin geliştirilmesi, Doctorate, S.ARSLAN(Student), 2019  
ÖZTÜRK C., Yapay Arı Koloni Algoritması İle Kayseri ve Cıvarı Elektrik Tüketim Verilerinin Analizi, Postgraduate, G.YÜKLÜ(Student), 2018  
ÖZTÜRK C., Akıllı Kentsel Dönüşüm Bilgi Sistemi Geliştirilmesi, Postgraduate, K.İNCİALAN(Student), 2018  
ÖZTÜRK C., Bluetooth Beacon Temelli Kapalı Alan Mobil Konum Tespit ve Analiz Sistemi Geliştirilmesi, Postgraduate, M.N. (Student), 2018  
ÖZTÜRK C., Dynamic Clustering Routing Protocols In Wireless Sensor Networks, Postgraduate, S.M.(Student), 2018  
Öztürk C., Web tabanlı yapay arı koloni programlama yazılımının geliştirilmesi, Postgraduate, C.BOZOĞULLARINDAN(Student), 2018  
ÖZTÜRK C., Clustering Routing Techniques for Wireless Sensor Networks, Postgraduate, A.H.(Student), 2018  
Öztürk C., Yapay arı kolonisi algoritması ile Kayseri ve civarı elektrik tüketim verilerinin analizi, Postgraduate, G.ÖZLÜ(Student), 2018  
ÖZTÜRK C., Privacy Protection in Social Networks, Postgraduate, M.ALSARRAJ(Student), 2018  
ÖZTÜRK C., Developing a Method to Protect Attacks in Wireless Networks, Postgraduate, M.HAMZAH(Student), 2017  
ÖZTÜRK C., GÖRÜNÜŞ TABANLI YÜZ TANIMA YÖNTEMLERİNDE VERİMLİLİĞİ ARTIRMAK İÇİN ÖZNİTELİK SEÇİMİ, Postgraduate, D.Altıntop(Student), 2017  
ÖZTÜRK C., MOBİL CİHAZLARIN GÖZLE KONTROLÜNÜ SAĞLAYAN YAZILIMIN GELİŞTİRİLMESİ, Postgraduate, A.Özcan(Student), 2016  
ÖZTÜRK C., BİR METAGENOMUN FONKSİYONEL PROFİLLEMESİNİN GERÇEKLEŞTİRİLMESİ VE PROFİLİN OPTİMUM DÜZEYDE İŞLEVSELLİKLE BULUNMASI, Postgraduate, B.Ulu(Student), 2016  
ÖZTÜRK C., NÜKLEOTİT DİZİLERİNİN YAPAY ARI KOLONİ ALGORİTMASI İLE KÜMELENMESİ, Postgraduate, H.Aktaş(Student), 2016  
ÖZTÜRK C., MİKROARRAY GEN İFADELERİNİN ABC ALGORİTMASI KULLANILARAK KÜMELENMESİ, Postgraduate, M.Tarım(Student), 2015  
ÖZTÜRK C., PROTEİN YAPISININ YAPAY ARI KOLONİSİ ALGORİTMASI İLE TAHMİNİ, Postgraduate, T.BATBAT(Student), 2014  
ÖZTÜRK C., ÇOKLU DİZİ HİZALAMA PROBLEMİNİN YAPAY ARI KOLONİ ALGORİTMASI İLE ÇÖZÜLMESİ, Postgraduate, S.ASLAN(Student), 2013

## Scientific Refereeing

International Journal of Bio-Inspired Computation, SCI Journal, August 2013  
EURASIP Journal on Wireless Communications and Networking, SCI Journal, June 2013  
Computer Methods and Programs in Biomedicine, SCI Journal, April 2013  
Transactions on Intelligent Systems and Technology, SCI Journal, March 2013  
IET Image Processing, SCI Journal, February 2013  
IEEE Transactions on Systems, Man., and Cybernetics, SCI Journal, October 2012  
Applied Mathematics and Computation, SCI Journal, April 2012  
Turkish Journal of Electrical Engineering & Computer Sciences, Journal Indexed in SSCI, January 2012  
Applied Soft Computing, SCI Journal, September 2011  
Information Sciences, SCI Journal, May 2011  
Computers & Operations Research, SCI Journal, March 2011  
Engineering Applications of Artificial Intelligence, SCI Journal, July 2010

## Scientific Consultations

İNDİS YAZILIM Arge Ltd. Şti., Other, Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey, 2013 - 2014  
SİSTEMO YAZILIM Ltd. Şti., Other, Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey, 2011 - 2013  
KAFTAN YAZILIM A.Ş., Scientific Consultancy, Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey, 2008 - 2011

## Metrics

Publication: 112  
Citation (WoS): 4149  
Citation (Scopus): 5922  
H-Index (WoS): 23  
H-Index (Scopus): 26

## Congress and Symposium Activities

Computational Modelling and Simulation Series at Middlesex University, Attendee, Davetli Konuşmacı, United Kingdom, 2014  
Algorithms and Bioinformatics Group Workshop, King`s College London, Attendee, Davetli Konuşmacı, United Kingdom, 2014

## Research Areas

Computer Sciences, bioinformatics, Artificial Intelligence, Computer Learning and Pattern Recognition, Evolutionary Computing, Software, Software Engineering, Engineering and Technology

## Non Academic Experience

TUBİTAK, BİDEB, Yarışmalar  
TÜBİTAK

Company, Suit Yazılım San., Tic. Ltd. Şti.

Suit Yazılım San. ve Tic. Ltd. Şti.

ERCİYES TEKNOPARK A.Ş.

Technology Development Zone, Erciyes Teknopark, A.Ş.

Business Establishment Private, Şahin Yazılım, A.Ş.

Şahin Yazılım A.Ş.

Business Establishment Private, Şahin Yazılım, A.Ş.

Şahin Yazılım A.Ş.