



# UĞUR CORUH

## ASST. PROF.

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Turkey

### International Researcher IDs

ScholarID: KIU4ltMAAAAJ

ORCID: 0000-0003-4193-8401

Publons / Web Of Science ResearcherID: 0-2919-2018

ScopusID: 57218950743

Yoksis Researcher ID: 315312



### Biography

Dr. Uğur CORUH

Department of Computer Engineering, Recep Tayyip Erdoğan University

Dr. Uğur CORUH completed his Ph.D. in Electrical and Computer Engineering at Altınbaş University with High Honor distinctions. He has held key roles in his professional career, including:

- **Software Engineer** at Biltekno (2007–2008)
- **Senior Specialist and Head of Investment Incentive Projects** at Cardtek (2009–2018)
- **Senior Specialist in R&D and Innovation** at Türkiye Vakıflar Bankası (2019–2020)

In 2022, he founded *Coruh R&D and Technology*, focusing on artificial intelligence, secure communication protocols, and embedded systems.

Dr. Coruh has managed projects in secure payment systems, quantum cryptography, and AI technologies, with several publications in international journals and conferences. He teaches courses on programming, and computer security. His research areas include machine learning, secure communication protocols, and embedded solutions.

### Learning Knowledge

Doctorate 2014 - 2019	Altınbaş University, Graduate School Of Natural And Applied Sciences, Electrical and Computer Engineering, Turkey
Postgraduate 2011 - 2014	Altınbaş University, Graduate School Of Natural And Applied Sciences, Electrical and Computer Engineering, Turkey
Undergraduate 2005 - 2009	Selcuk University, Faculty Of Engineering, Department Of Computer Engineering, Turkey

## Foreign Languages

English, B2 Upper Intermediate

## Certificates, Courses and Trainings

Industrial Rights, Intellectual Property Rights, Patent, Licensing, IP Commercialization in Academia Scale Up Your IP, World Intellectual Property Organization (WIPO) + TURK PATENT + KTU TTO, 2024

## Dissertations

Doctorate, Enhanced Secure Communication Schemes for Machine-to-Machine and Vehicular Ad Hoc Networks, Altinbas University, Graduate School Of Natural And Applied Sciences, Electrical and Computer Engineering, 2019

Postgraduate, SRAM tabanlı FPGA devrelerinde LUT seviyesinde fonksiyonlar arasındaki NPN ilişkilerin maksimize edilmesi, Altinbas University, Graduate School Of Natural And Applied Sciences, Electrical and Computer Engineering, 2014

## Academic Titles / Tasks

Assistant Professor  
2019 - Continues

Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ,  
BİLGİSAYAR MÜHENDİSLİĞİ

## Supported Projects

1. Coruh U., TUBITAK Project, (CORUH ARGE) (TÜBİTAK TEYDEB 1507) (PROJE NO: 7230092) V2X/C-V2X HABERLEŞME MİMARİSİNDE ITS/C-ITS İÇİN GÜVENLİ VE HIZLI YETKİLENDİRME, ASİMETRİK ANAHTAR YENİLEME VE İPTAL ETME İLE İLGİLİ UYGULAMA HİZMETLERİNİN VE KÜTÜPHANELERİNİN GELİŞTİRİLMESİ, 2024 - 2025
2. Coruh U., Horizon Europe Project, (CORUH ARGE) (HORIZON EUROPE / EIC ACCELERATOR PLUG-IN 2024) (BAŞVURU NO: 790057, PROJE NO: 124U560) SECURE KEY RENEWAL FOR ESIM/SIM IN 5G/6G NETWORKS: ENHANCING TELECOMMUNICATIONS SECURITY THROUGH ADVANCED KEY MANAGEMENT SYSTEMS, 2024 - 2025
3. Coruh U., Salman H. T., Abdullahoğlu M., TUBITAK Project, (RECEP TAYYİP ERDOĞAN ÜNİVERSİTESİ) (TÜBİTAK 2209-A 2023/2) (PROJE NO: 1919B012326753) (ORMAN YANGINI TESPİT VE FOTO KAPAN SİSTEMİ), 2023 - 2025
4. Coruh U., Ak E., Tibet R., TUBITAK Project, (RECEP TAYYİP ERDOĞAN ÜNİVERSİTESİ) (TÜBİTAK 2209-A 2022/2) (PROJE NO: 1919B012219415) (AKILLI YOL HASAR TESPİT SİSTEMİ), 2022 - 2025
5. Coruh U., Kurtuluş H., TUBITAK Project, (RECEP TAYYİP ERDOĞAN ÜNİVERSİTESİ) (TÜBİTAK 2209-A 2022/2) (PROJE NO: 1919B012217179) (MOTORLU TESTERE ANİ FREN SİSTEMİ), 2022 - 2025
6. Coruh U., Parlak C. A. Y., Yörük İ., Emre A., Project Supported by Other Official Institutions, (RECEP TAYYİP ERDOĞAN ÜNİVERSİTESİ) (TEKNOFEST 2024 TÜRKÇE DOĞAL DİL İŞLEME YARIŞMASI) (SERBEST KATEGORİ - 2200) (PROJE TAKIMI: WHITEANGELS) (FİNALİST) (TAKIM ID: 561869) (BAŞVURU ID: 2289650), 2024 - 2024
7. Coruh U., Yörük İ., Parlak C. A. Y., Emre A., Project Supported by Other Official Institutions, (RECEP TAYYİP ERDOĞAN ÜNİVERSİTESİ) (TEKNOFEST 2024 TÜRKÇE DOĞAL DİL İŞLEME YARIŞMASI) (DOĞAL DİL İŞLEME SENARYOSU - 2200) (PROJE TAKIMI: WHITEANGELS) (FİNALİST) (TAKIM ID: 561869) (BAŞVURU ID: 2289646), 2024 - 2024
8. Coruh U., Doğan Ö. F., Özkan M., Öztürk İ., Memioğlu A. K., Terzi V., Project Supported by Other Official Institutions, (RECEP TAYYİP ERDOĞAN ÜNİVERSİTESİ) (TEKNOFEST 2024 ENGELSİZ YAŞAM TEKNOLOJİLERİ YARIŞMASI) (ÜNİVERSİTE VE ÜZERİ SEVİYESİ) (PROJE ADI: EYS - ENGELLİ YARDIM SİSTEMİ) (PROJE TAKIMI: FUTUREFORGE)

(FİNALİST) (TAKIM ID: 489736) (BAŞVURU ID: 2020427), 2024 - 2024

9. Coruh U., Almalı S. M., Çakır E. B., Karaş S., Project Supported by Other Official Institutions, (RECEP TAYYİP ERDOĞAN ÜNİVERSİTESİ) (TEKNOFEST 2024 ROBOTAKSİ - BİNEK OTONOM ARAÇ YARIŞMASI) (HAZIR ARAÇ KATEGORİSİ) (TAKIM ADI: AI2X) (FİNALİST) (TAKIM ID: 429257) (BAŞVURU ID: 1870910), 2024 - 2024
10. Coruh U., Kaya A., Kurt B., Project Supported by Other Official Institutions, (RECEP TAYYİP ERDOĞAN ÜNİVERSİTESİ) (TEKNOFEST 2024 PARDUS HATA YAKALAMA VE ÖNERİ YARIŞMASI) (HATA YAKALAMA KATEGORİSİ) (PROJE BAŞLIĞI: BROKEN TESTS TESTLERİ - UÇ DONANIMDA HATA YAKALAMA VE GENEL KULLANICI GÖZÜNDEN ÖNERİLER) (FİNALİST) (TAKIM ID: 295047) (BAŞVURU ID: 1375176), 2024 - 2024
11. Coruh U., TUBITAK Project, (CORUH ARGE) (TÜBİTAK TEYDEB 1507) (PROJE NO: 7220514) 5G/6G HABERLEŞME AĞLARINDA ESİM (EMBEDDED SIM)/SIM İÇİN GÜVENLİ ASİMETRİK ANAHTAR YENİLEME VE İPTAL ETME İLE İLGİLİ UYGULAMA HİZMETLERİNİN VE KÜTÜPHANELERİNİN GELİŞTİRİLMESİ, 2023 - 2024
12. Coruh U., Demiroğlu E., Sevinçkan N., Ayakdaş F., Görgen V., TUBITAK Project, (RECEP TAYYİP ERDOĞAN ÜNİVERSİTESİ) (TÜBİTAK 2209-A 2021/2) (PROJE NO: 1919B012109890) (MOBİL CİHAZ SENSÖRLERİ İLE HAVA TAHMİNİ VE NAVİGASYON PLATFORMU), 2021 - 2024
13. Coruh U., Sarı S., Uygun R. S., Solak F., Bebek M. B., TUBITAK Project, (RECEP TAYYİP ERDOĞAN ÜNİVERSİTESİ) (TÜBİTAK 2209-A 2021/2) (PROJE NO: 1919B012109628) (SENTETİK SENSÖRLERİN AKILLI ULAŞIM ALTYAPISINDA KULLANIMI), 2021 - 2024
14. Coruh U., Ersoy S. N., Öztürk D., Er R., Aşık E., TUBITAK Project, (RECEP TAYYİP ERDOĞAN ÜNİVERSİTESİ) (TÜBİTAK 2209-A 2021/2) (PROJE NO: 1919B012106623) (AKILLI VİRAJ VE UYARI SİSTEMİ), 2021 - 2024
15. Coruh U., Tibet R., Ak E., Project Supported by Other Official Institutions, (RECEP TAYYİP ERDOĞAN ÜNİVERSİTESİ) (TEKNOFEST 2023 AKILLI ULAŞIM YARIŞMASI) (ÜNİVERSİTE VE ÜZERİ SEVİYESİ) (PROJE ADI: AYHTS - AKILLI YOL HASAR TESPİT SİSTEMİ) (PROJE TAKIMI: SAFEROAD) (FİNALİST) (TAKIM ID: 219671) (BAŞVURU ID: 911141), 2022 - 2023
16. Coruh U., Görgen V., Project Supported by Other Official Institutions, (RECEP TAYYİP ERDOĞAN ÜNİVERSİTESİ) (TEKNOFEST 2022 AKILLI ULAŞIM YARIŞMASI) (ÜNİVERSİTE VE ÜZERİ SEVİYESİ) (PROJE ADI: MOBUS) (PROJE TAKIMI: VANS) (ORDU FİNALİSTİ) (TAKIM ID: 61645) (BAŞVURU ID: 363032), 2022 - 2022
17. Coruh U., Uygun R. S., Sarı S., Bebek M. B., Solak F., Project Supported by Other Official Institutions, (RECEP TAYYİP ERDOĞAN ÜNİVERSİTESİ) (TEKNOFEST 2022 AKILLI ULAŞIM YARIŞMASI) (ÜNİVERSİTE VE ÜZERİ SEVİYESİ) (PROJE ADI: DATABOX) (PROJE TAKIMI: SPLENDOR TECH) (ORDU FİNALİSTİ) (TAKIM ID: 44114) (BAŞVURU ID: 366460), 2022 - 2022
18. Coruh U., Öztürk D., Ersoy S. N., Er R., Kurtuluş H., Aşık E., Project Supported by Other Official Institutions, (RECEP TAYYİP ERDOĞAN ÜNİVERSİTESİ) (TEKNOFEST 2022 AKILLI ULAŞIM YARIŞMASI) (ÜNİVERSİTE VE ÜZERİ SEVİYESİ) (PROJE ADI: AVUS - AKILLI VİRAJ UYARI SİSTEMİ) (PROJE TAKIMI: WHITECODE) (KATEGORİ 3.'SÜ) (TAKIM ID: 63310) (BAŞVURU ID: 355373), 2022 - 2022
19. Coruh U., TUBITAK Project, (PROCENNE) (TÜBİTAK 1501) (PROJE NO: 3210293) 5G HÜCRESEL HABERLEŞME SİSTEMLERİNDE KULLANILAN KRİPTOGRAFİK ALGORİTMALARIN YÜKSEK PERFORMANSLI VE YAN KANAL ATAKLARINA DAYANIKLI DONANIM GERÇEKLEMELERİ, 2021 - 2022
20. Coruh U., Other International Funding Programs, (PAYCORE-PROJE ORTAĞI) (IOTIQ ANKARA YAZILIM ANONİM ŞİRKETİ) (TÜBİTAK 1509 / ITEA) YENİ NESİL AKILLI VE GÜVENLİ ELEKTRİK DAĞITIM ŞEBEKELERİ, 2017 - 2020
21. Coruh U., Other International Funding Programs, (PAYCORE) (TÜBİTAK 1509 / ITEA) (PROJE NO: 9170064) SOLOMON: FİZİKSEL MAĞAZALARDA VERİ FÜZYONU İLE MÜŞTERİ DENEYİMİ VE KİŞİSELLEŞTİRME, 2017 - 2020
22. Coruh U., Bayat O., TUBITAK Project, (BAYT TEKNOLOJİ) (TÜBİTAK 1507) (PROJE NO:3160219) SİM TOOL ÜZERİNDEN AÇIK VE KAPALI ALANLARDA YÜKSEK BAŞARIMLI LOKALİZASYON TESPİT SİSTEMİNİN GELİŞTİRİLMESİ, 2016 - 2018
23. Coruh U., Other International Funding Programs, (PAYCORE) (TÜBİTAK 1509 / ITEA) (PROJE NO: 9150162) EMOSPACES: NESNELERİN İNTERNETİ ORTAMLARI İÇİN DUYGU TEKNOLOJİLERİ DESTEKLİ GELİŞMİŞ ETKİSEL SAĞLIK PLATFORMU (ENHANCED AFFECTIVE WELLBEING BASED ON EMOTION TECHNOLOGIES FOR ADAPTING IOT SPACES), 2015 - 2018
24. Coruh U., Other International Funding Programs, (PAYCORE-PROJE ORTAĞI) (ARÇELİK A.Ş.) (PROJE NO:9140023) M2MGRIDS: MAKİNELER ARASI SİBER-FİZİKSEL BİLGİ EKOSİSTEMİ, 2015 - 2018
25. Coruh U., Other International Funding Programs, (PAYCORE - PROJE ORTAĞI) (PROLINE BİLİŞİM SİSTEMLERİ TİC.

A.Ş.) (TÜBİTAK-1509 / ITEA) (PROJE NO:9130089) (IDEA4SWIFT) ULUSLARARASI SIK SEYAHAT EDENLER İÇİN KİMLİK YÖNETİMİ, KİMLİK DOĞRULAMA, GÜVENLİ DOKÜMAN VE DİĞER SİSTEMLER İLE BİRLİKTE ÇALIŞABİLEN SİSTEMİNİN GELİŞTİRİLMESİ, 2014 - 2017

26. Coruh U., Other International Funding Programs, (PAYCORE - PROJE ORTAĞI) (KOÇ SİSTEM BİLGİ VE İLETİŞİM HİZMETLERİ A.Ş.) (TÜBİTAK 1509 / ITEA ) (PROJE NO:9140003) BAAS - TESİS İŞLETMECİ, KULLANICI VE HİZMET SAĞLAYICILARI İÇİN DEĞİŞKEN TALEBE BAĞLI AÇIK SERVİS/KAYNAK PLATFORMU, 2014 - 2016
27. Coruh U., Other International Funding Programs, (PAYCORE) (TÜBİTAK 1509 / ITEA) (PROJE NO: 9130068) - VISCA: AKILLI KARTLARIN SANALLAŞTIRILMASI, 2013 - 2015
28. Coruh U., TÜBİTAK Project, (PAYCORE) (TÜBİTAK 1501) (PROJE NO: 3130074) MOBİL ÖDEME SİSTEMLERİNE YÖNELİK GÜVENİLİR SERVİS SAĞLAYICI (TSM) VE ENTEGRE SIM YÖNETİM SİSTEMİ (OTA) PLATFORMU (TSMXPRT), 2013 - 2014
29. Coruh U., TÜBİTAK Project, (PAYCORE) (TÜBİTAK 1501) (PROJE NO: 3100248) UÇTAN UCA AKILLI KART ÜRETİMİ KONTROLÜ VE KART ÜZERİNDE DİNAMİK UYGULAMA YAZILIMLARI YÖNETİM SİSTEMİ, 2010 - 2011

## Awards

1. Coruh U., Aşık E., Öztürk D., Ersoy S. N., Er R., Kurtuluş H., AKILLI ULAŞIM KATEGORİSİ 3.'LÜĞÜ, Teknofest, January 2022

## Designed Lessons

Coruh U., Data Structures, Undergraduate, 2024 - 2025  
Coruh U., Secure Programming, Undergraduate, 2024 - 2025  
Coruh U., Secure Programming, Undergraduate, 2023 - 2024  
Coruh U., Object-Oriented Programming, Undergraduate, 2021 - 2022  
Coruh U., Data Structures, Undergraduate, 2021 - 2022  
Coruh U., Algorithms and Programming I, Undergraduate, 2020 - 2021  
Coruh U., Algorithms and Programming II, Undergraduate, 2020 - 2021

## Taught Courses And Trainings

Coruh U., TÜBİTAK 2209-A ve TÜBİTAK-2209-B : Yapay Zeka Araçları ile Proje Fikri Belirleme ve Yapay Zeka Araçları ile Proje Raporu Oluşturma , 2024 - 2024

## Designed Courses And Trainings

Coruh U., TÜBİTAK-BİDEB 2209- A Üniversite Öğrencileri Araştırma Projeleri TÜBİTAK-BİDEB 2209- B Üniversite Öğrencileri Sanayiye Yönelik Araştırma Projeleri Eğitim Sunumu, October 2024

## Research Infrastructure Information

Coruh U., Teknofest Lab, January 2023

## Education Infrastructure Information

Coruh U., Yalçın Y., INF-TALKS , November 2021

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

1. **ESAR: Enhanced Secure Authentication and Revocation Scheme for Vehicular Ad Hoc Networks**  
Coruh U., Bayat O.  
JOURNAL OF INFORMATION SECURITY AND APPLICATIONS, vol.64, pp.103081, 2022 (SCI-Expanded)
2. **Hybrid Secure Authentication and Key Exchange Scheme for M2M Home Networks**  
Coruh U., Bayat O.  
SECURITY AND COMMUNICATION NETWORKS, vol.2018, 2018 (SCI-Expanded)

## Books & Book Chapters

1. **Security Risks of IoT Technologies in Healthcare Services and Measures That Can Be Taken**  
Coruh U.  
in: Artificial Intelligence and Applications in Healthcare, Can Özlü, Mehmet Ali Gedik, Nilüfer Köylüoğlu, Hilmi Sefa Yangal, Aysun Özlü, Editor, Akademisyen Kitabevi, Ankara, pp.41-52, 2021
2. **5G Era in Healthcare**  
Coruh U.  
in: Artificial Intelligence and Applications in Healthcare, Can Özlü, Mehmet Ali Gedik, Nilüfer Köylüoğlu, Hilmi Sefa Yangal, Aysun Özlü, Editor, Akademisyen Kitabevi, Ankara, pp.389-396, 2021

## Refereed Congress / Symposium Publications in Proceedings

1. **Lightweight Offline Authentication Scheme for Secure Remote Working Environment**  
Coruh U., Khan M., Bayat O.  
2021 International Conference on Electrical, Computer and Energy Technologies (ICECET), Cape-Town, South Africa, 9 - 10 December 2021, pp.1-9
2. **Performance Analysis of Blockchain-Based Systems for Industry Applications**  
Khan M., Bayat O., Coruh U.  
The International Conference on Engineering & MIS 2020 (ICEMIS20), Almati, Kazakhstan, 14 - 16 September 2020, vol.1, no.100, pp.1-21

## Courses

Algorithms and Programming II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021  
Secure Programming, Undergraduate, 2024 - 2025  
Data Structures, Undergraduate, 2024 - 2025  
Bitirme Tezi - 1, Undergraduate, 2024 - 2025  
Object-Oriented Programming, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022  
Bitirme Tezi - 2, Undergraduate, 2023 - 2024  
Bitirme Tezi -1, Undergraduate, 2023 - 2024  
Algorithms and Programming I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021  
Data Structures, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022  
Secure Programming, Undergraduate, 2023 - 2024  
Temel Bilgi Teknolojileri, Undergraduate, 2021 - 2022  
Basic Information Technologies, Undergraduate, 2020 - 2021

## Patent

Coruh U., Koçan H., ELECTROUROFLOWMETRY: ELECTRICAL SMART UROFLOWMETRY DEVICE AND MEASUREMENT METHOD., Patent, CHAPTER H Electricity, The Invention Registration Number: 2021 008173 , Standard Registration, 2024

Coruh U., A KEY UPDATE AND CANCELLATION METHOD THAT ENABLES THE UPDATING AND CANCELLATION OF SECURITY KEYS AND SENSITIVE DATA OVER SECURE REMOTE CHANNELS., Patent, CHAPTER H Electricity, The Invention Registration Number: 2023 001074 , Standard Registration, 2024

Coruh U., METHODS THAT ENABLE KEY UPDATE THROUGH RAPID AUTHENTICATION AND AUTHORIZATION BETWEEN DEVICES., Patent, CHAPTER H Electricity, The Invention Recourse Number: 2023/001121 , Standard Registration, 2024

Coruh U., METHOD FOR UPDATING AND REVOKING SECURITY KEYS AND SENSITIVE DATA OVER REMOTE SECURE CHANNELS, Patent, CHAPTER H Electricity, The Invention Recourse Number: PCT/TR2023/051719 , Standard Registration, 2023

Coruh U., Koçan H., INTELLIGENT SYSTEM/UROSISTOGRAPHY THAT PERFORMS ELECTRICAL UROFLOWMETRY MEASUREMENT USING OHM'S LAW., Patent, CHAPTER H Electricity, The Invention Registration Number: 2021 012435 , Standard Registration, 2023

Coruh U., METHODS FOR RAPID AUTHENTICATION AND AUTHORIZATION BETWEEN DEVICES WITH KEY UPDATES, Patent, CHAPTER H Electricity, The Invention Recourse Number: PCT/TR2023/051716 , Standard Registration, 2023

Coruh U., Koçan H., A PERCUTANEOUS/BIOPSY NEEDLE AND GUIDANCE ANALYSIS SYSTEM THAT DETECTS THE CELLULAR TISSUE CHARACTERISTICS AND TYPE OF THE REGION IT PASSES THROUGH USING ELECTRICAL VOLTAGE, RESISTANCE, CAPACITANCE, AND CURRENT MEASUREMENTS WITH THE CREATED MODEL., Patent, CHAPTER H Electricity, The Invention Registration Number: 2020 19898 , Standard Registration, 2023

## Tasks In Event Organizations

Coruh U., INF-TALKS: Ahmet Rıza Balm, Director of the Technopark TTO at Dijitalpark, Student Club and Community Activity, Rize, Turkey, Kasım 2023

Coruh U., INF-TALKS: Dr. Oktay Adalier, eID Department Head at TÜBİTAK BİLGEM UEKAE, Student Club and Community Activity, Rize, Turkey, Aralık 2022

Coruh U., INF-TALKS: Suha Erdem Yabaş, Business Development & Innovation Consultancy, Student Club and Community Activity, Rize, Turkey, Aralık 2022

Coruh U., INF-TALKS: Mustafa Kilci - CEO & Co-Founder at Kiki Games, Student Club and Community Activity, Rize, Turkey, Mayıs 2022

Coruh U., INF-TALKS: Ozan Aydemir - President - Marketing - Gaming In Turkey, Student Club and Community Activity, Rize, Turkey, Mayıs 2022

Coruh U., INF-TALKS: Ensar Şeker, PhD(c), VP of Research, CISOVp of Research, CISO SOC, Student Club and Community Activity, Rize, Turkey, Mayıs 2022

Coruh U., INF-TALKS: Dr. Süleyman Canan, Co-Founder & CTO at ELFATEK, Student Club and Community Activity, Rize, Turkey, Nisan 2022

Coruh U., INF-TALKS: Şükrü Çakmak, M.Sc., Deputy General Manager & CTO at ATEZ, Student Club and Community Activity, Rize, Turkey, Nisan 2022

Coruh U., INF-TALKS : Halil Erçikan Managing Partner at ATOM BİLİŞİM, Student Club and Community Activity, Rize, Turkey, Kasım 2021

## Metrics

Publication: 6

Citation (WoS): 9

Citation (Scopus): 17

H-Index (WoS): 2

H-Index (Scopus): 2

## Research Areas

Communication Networks, Telecommunication Applications, Information Security and Reliability, Hiding Information, Information System Reliability, Hardware Security, Cryptography, Quantum Cryptography, Software Security, Computer Networks, Communications and Network Protocols, Data Routing, Database and Data Structures, Software, Operating Systems, Automatic Programming, Programming Languages, Software Engineering, Soft Computing, Bioengineering and MEMS, Bioinstrumentation and Microelectromechanical Systems (MEMS), Biosignal Processing, Biosignal Processing

## Entrepreneurship Activities

Limited, CORUH ARGE VE TEKNOLOJİ SANAYİ TİCARET LİMİTED ŞİRKETİ, 16 June 2022, Founder Owner

## Non Academic Experience

Company, CORUH ARGE VE TEKNOLOJİ SANAYİ TİCARET LİMİTED ŞİRKETİ, AR-GE

Public Corporation, VAKIFLAR BANKASI GENEL MÜDÜRLÜĞÜ, R&D AND INNOVATION DIRECTORATE

Company, KARTEK KART VE BİLİŞİM TEKNOLOJİLERİ TİCARET ANONİM ŞİRKETİ (PAYCORE / SMARTSOFT / CARDTEK / PHAYMOBILE /KARMOBİL), R&D

Public Corporation, MİLLİ SAVUNMA BAKANLIĞI, UZUNADA DENİZ KUVVETLERİ KOMUTANLIĞI

Company, KARTEK KART VE BİLİŞİM TEKNOLOJİLERİ TİCARET ANONİM ŞİRKETİ (PAYCORE / SMARTSOFT / CARDTEK / PHAYMOBILE /KARMOBİL), R&D

Company, KARTEK KART VE BİLİŞİM TEKNOLOJİLERİ TİC LTD ŞTİ (PAYCORE / SMARTSOFT / CARDTEK / PHAYMOBILE /KARMOBİL), R&D

Company, BİLTEKNO INFORMATION TECHNOLOGIES, R&D