

# Doç. Dr. Can EYÜPOĞLU



## Mesleki Deneyim

<b>Doçent</b>	2021 - Halen Milli Savunma Üniversitesi – Hava Harp Okulu – Bilgisayar Mühendisliği Bölümü
<b>Doktor Öğretim Üyesi</b>	2019 - 2021 Milli Savunma Üniversitesi – Hava Harp Okulu – Bilgisayar Mühendisliği Bölümü
<b>Doktor Öğretim Üyesi</b>	2019 - 2019 Fenerbahçe Üniversitesi – Mühendislik ve Mimarlık Fakültesi – Bilgisayar Mühendisliği Bölümü
<b>Araştırma Görevlisi</b>	2013 - 2019 İstanbul Ticaret Üniversitesi – Mühendislik Fakültesi – Bilgisayar Mühendisliği Bölümü

## Eğitim Bilgileri

<b>Doktora</b>	2014 - 2018 İstanbul Üniversitesi – Fen Bilimleri Enstitüsü – Bilgisayar Mühendisliği
<b>Yüksek Lisans</b>	2012 - 2014 İstanbul Üniversitesi – Fen Bilimleri Enstitüsü – Bilgisayar Mühendisliği

**Lisans (Yandal)**

2009 - 2012

İstanbul Kültür Üniversitesi – Mühendislik  
Fakültesi – Elektronik Mühendisliği (İngilizce)

**Lisans**

2007 - 2012

İstanbul Kültür Üniversitesi – Mühendislik  
Fakültesi – Bilgisayar Mühendisliği (İngilizce)

## Projeler

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**01.02.2021-31.07.2022**

**TÜBİTAK-1507**

Projedeki Görevi: Araştırmacı, TÜBİTAK-1507 TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, Proje No: 7201119, Proje Adı: Fabrikaların Endüstri 4.0 ile Akıllı Fabrikaya Dönüşümü için Bir IIOT Cihazı Geliştirilmesi, Yürütücü Kuruluş: Prodrom Bilişim Teknolojileri Limited Şirketi.

**01.05.2018-30.04.2022**

**TÜBİTAK-1505**

Projedeki Görevi: Araştırmacı, TÜBİTAK-1505 Üniversite-Sanayi İşbirliği Destek Programı, Proje No: 51700536, Proje Adı: Büyük Veride Kişi Mahremiyetinin Korunması için Yazılım Tasarımı, Yürütücü Kuruluş: İstanbul Ticaret Üniversitesi, Müşteri Kuruluş: Turkcell Teknoloji Araştırma ve Geliştirme A.Ş..

**02.10.2022-Halen**

**KOSGEB**

Projedeki Görevi: Danışman, KOSGEB Ar-Ge, İnovasyon Destek Programı, Proje Adı: ProEndx Sayısallaştırıcı Kartı, Yürütücü Kuruluş: Prodrom Bilişim Teknolojileri Limited Şirketi.

**14.02.2022-Halen**

**İSTANBUL ÜNİVERSİTESİ-CERRAHPAŞA BAP**

Projedeki Görevi: Araştırmacı, İstanbul Üniversitesi-Cerrahpaşa BAP Projesi, Proje Adı: Sambucus Ebulus L. Bitkisinden Elde Edilen Sak Lifinin Araştırılması ve Ortalama Lif Çapı Tayini için Yeni Bir Görüntü İşleme Yönteminin Geliştirilmesi.

## Uluslararası ve Ulusal Makaleler

- Eyupoglu, S., & Eyupoglu, C. (2022). Investigation of a New Natural Cellulosic Fiber Extracted from Beetroot Plant. *Journal of Natural Fibers*, 1-12. <https://doi.org/10.1080/15440478.2022.2108956>
- Eyupoglu, C., Eyupoglu, S., & Merdan, N. (2022). Investigation of Dyeing Properties of Mohair Fiber Dyed with Natural Dyes Obtained from *Candelariella reflexa*. *Journal of Natural Fibers*, 1-20. <https://doi.org/10.1080/15440478.2022.2076273>
- Eyupoglu, C., Eyupoglu, S., & Merdan, N. (2021). A multilayer perceptron artificial neural network model for estimation of ultraviolet protection properties of polyester microfiber fabric. *The Journal of the Textile Institute*, 112(9), 1403-1416. <https://doi.org/10.1080/00405000.2020.1819000>
- Yavuz, E., & Eyupoglu, C. (2020). An effective approach for breast cancer diagnosis based on routine blood analysis features. *Medical & Biological Engineering & Computing*, 58(7), 1583-1601. <https://doi.org/10.1007/s11517-020-02187-9>
- Eyupoglu, C., Eyupoglu, S., & Merdan, N. (2019). Improvement of thermal insulation properties of polyester nonwoven and estimation of thermal conductivity coefficients using artificial neural network. *Journal of Testing and Evaluation*, 47(2), 1075-1086. <https://doi.org/10.1520/JTE20180129>
- Eyüpođlu, C. (2019). A two-level morphological description of Bashkir Turkish. *Computer Systems Science and Engineering*, 34(3), 113-121. <https://doi.org/10.32604/csse.2019.34.113>
- Yavuz, E., & Eyupoglu, C. (2019). A

cepstrum analysis-based classification method for hand movement surface EMG signals. *Medical & Biological Engineering & Computing*, 57(10), 2179-2201.

<https://doi.org/10.1007/s11517-019-02024-8>

- Eyupoglu, S., Kut, D., Girisgin, A. O., Eyupoglu, C., Ozuicli, M., Dayioglu, H., Civan, M., & Aydin, L. (2019). Investigation of the bee-repellent properties of cotton fabrics treated with microencapsulated essential oils. *Textile Research Journal*, 89(8), 1417-1435.  
<https://doi.org/10.1177/0040517518773370>
- Yavuz, E., Kasapbaşı, M. C., Eyüpoğlu, C., & Yazıcı, R. (2018). An epileptic seizure detection system based on cepstral analysis and generalized regression neural network. *Biocybernetics and Biomedical Engineering*, 38(2), 201-216.  
<https://doi.org/10.1016/j.bbe.2018.01.002>
- Eyupoglu, C., Aydin, M. A., Zaim, A. H., & Sertbas, A. (2018). An efficient big data anonymization algorithm based on chaos and perturbation techniques. *Entropy*, 20(5), 373.  
<https://doi.org/10.3390/e20050373>
- Gümüş, H.T., & Eyüpoğlu, C. (2022). Büyük Veride Anonimleştirme Teknikleri ve Saldırı Türleri: Uygulama Örnekleri. *İstanbul Ticaret Üniversitesi Fen Bilimleri Dergisi*.
- Konacaklı, E., & Eyüpoğlu, C. (2022). Blokzinciri Tabanlı Akıllı Hava Mühimmatı Lojistik Takip Sistemi. *İstanbul Ticaret Üniversitesi Fen Bilimleri Dergisi*.
- Eyüpoğlu, C. (2020). Kronik Böbrek Hastalığının Erken Tanısı için Yeni Bir Klinik Karar Destek Sistemi. *Avrupa Bilim ve Teknoloji Dergisi*, (20), 448-455.
- Eyüpoğlu, C. (2020). Korelasyon Temelli Özellik Seçimi, Genetik Arama ve Rastgele Ormanlar Tekniklerine Dayanan Yeni Bir Rahim Ağzı Kanseri Teşhis Yöntemi. *Avrupa Bilim ve Teknoloji Dergisi*, (19), 263-271.
- Yavuz, E., & Eyüpoğlu, C. (2019). Meme Kanseri Teşhisi için Yeni Bir Skor Füzyon Yaklaşımı. *Düzce Üniversitesi Bilim ve*

- Teknoloji Dergisi, 7(3), 1045-1060.
- Eyupoglu, C. (2018). Breast cancer classification using k-nearest neighbors algorithm. The Online Journal of Science and Technology, 8(3), 29-34.
  - Eyupoglu, C. (2017). Implementation of Bernsen's locally adaptive binarization method for gray scale images. The Online Journal of Science and Technology, 7(2), 68-72.
  - Eyupoglu, C., & Yesilyurt, U. (2016). Modelling and Implementation of Network Coding for Video. International Journal of Computer Network and Information Security, 8(8), 1-10.
  - Eyüpođlu, C. (2016). Clustering of Mitochondrial D-loop Sequences Using Similarity Matrix, PCA and K-means Algorithm. International Journal of Intelligent Systems and Applications in Engineering, 4(Special Issue-1), 244-248.
  - Eyüpođlu, C., & Yavuz, E. (2020). Kanser Teřhisi için Makine Öğrenmesi Tekniklerine Dayalı Yeni Bir Sınıflandırma Metodu. Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, 7(2), 1106-1123.
  - Eyüpođlu, C., Aydın, M. A., Sertbaş, A., Zaim, A. H., & Öneş, O. (2017). Büyük Veride Kiři Mahremiyetinin Korunması. Biliřim Teknolojileri Dergisi, 10(2), 177-184.
  - Kasapbasi, M. C., Eyupoglu, C., Urut, T. B., Turan, Y., Karaagacli, A. O., & Sezgenc, Y. C. (2018). Implementation of Virtual Reality Enhanced Continuous Performance Test Designed for Attention Deficit Hyperactivity Disorder Diagnosis. Selçuk-Teknik Dergisi, 2018 (Special Issue), 1-10.
  - Eyüpođlu, C., & Sertbaş, A. (2015). Karatsuba ve Nikhilaam Çarpma İşlemi Algoritmalarının Farklı Bit Uzunlukları için Performanslarının Karşılaştırılması. İstanbul Ticaret Üniversitesi Fen Bilimleri Dergisi, 14 (27), 55-64.
  - Eyüpođlu, C., Aydın, M. A. & Zaim, A. H. (2014). Slotlanmış Optik Anahtarlama Tekniklerinin İncelenmesi. İstanbul Ticaret Üniversitesi Fen Bilimleri Dergisi, 13(25), 45-78.

## Uluslararası ve Ulusal Bildiriler

- Sahin, İ.C., Eyupoglu, C., (2022), “Change of the Internet with Blockchain and Metaverse Technologies”, 4th International Conference on Artificial Intelligence and Applied Mathematics in Engineering (ICAIAME'22), 20–22 May, Baku, Azerbaijan.
- Can, F., Eyupoglu, C., (2021), “Convolutional Neural Network Architectures Used in Computer Vision”, IEEE 5th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT'21), 21–23 October, Turkey.
- Kara, B.C., Eyupoglu, C., (2021), “Anonymization Methods for Privacy-Preserving Data Publishing”, 3rd International Conference on Artificial Intelligence and Applied Mathematics in Engineering (ICAIAME'21), 01–03 October, Antalya, Turkey.
- Okutan, A., Eyupoglu, C., (2021), “A Review on Artificial Intelligence and Cyber Security”, IEEE 6th International Conference on Computer Science and Engineering (UBMK'21), 15–17 September, Ankara, Turkey.
- Kara, B.C., Eyupoglu, C., (2020), “Privacy and Security Problems in Healthcare 4.0”, IEEE 4th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT'20), 22–24 October, Turkey.
- Kutlugun, E., Eyupoglu, C., (2020), “Artificial Intelligence Methods Used in Computer Vision”, IEEE 5th International Conference on Computer Science and Engineering (UBMK'20), 09–11 September, Diyarbakır, Turkey.
- Eyupoglu, C., (2019), “Big Data in Cloud Computing and Internet of Things”, IEEE 3rd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT'19), 11–13 October, Ankara, Turkey.
- Sanver, U., Yavuz, E., Eyupoglu, C., (2019), “An Electronic Control Unit for

Thermoelectric Cooling”, 2019 IEEE Conference of Russian Young Researchers in Electrical and Electronic Engineering (EIConRus'19), 28–30 January, St. Petersburg, Russia.

- Sanver, U., Yavuz, E., Eyupoglu, C., Uzun, T., (2018), “Design and implementation of a programmable logic controller using PIC18F4580”, 2018 IEEE Conference of Russian Young Researchers in Electrical and Electronic Engineering (EIConRus'18), 29 January–01 February, St. Petersburg, Russia.
- Kasapbasi, M.C., Eyupoglu, C., Urut, T.B., Turan, Y., Karaagacli, A.O., Sezgenç, Y.C., (2017), “Implementation of Virtual Reality Enhanced Continuous Performance Test Designed for Attention Deficit Hyperactivity Disorder Diagnosis”, International Conference on Engineering Technologies (ICENTE'17), 07–09 December, Konya, Turkey.
- Yavuz, E., Eyupoglu, C., Sanver, U., Yazici, R., (2017), “An Ensemble of Neural Networks for Breast Cancer Diagnosis”, IEEE 2nd International Conference on Computer Science and Engineering (UBMK'17), 05–08 October, Antalya, Turkey.
- Eyupoglu, C., (2017), “Breast Cancer Classification Using k-Nearest Neighbors Algorithm”, 8th International Science and Technology Conference (ISTEC 2017), 17–19 July, Berlin, Germany.
- Eyupoglu, S., Sanver, U., Eyupoglu, C., (2017), “Use of Fibrous Materials in Acoustic Insulation Applications”, 2017 IEEE Conference of Russian Young Researchers in Electrical and Electronic Engineering (EIConRus), 01–03 February, St. Petersburg, Russia.
- Sanver, U., Yavuz, E., Eyupoglu, C., (2017), “An Image Processing Application to Detect Faulty Bottle Packaging”, 2017 IEEE Conference of Russian Young Researchers in Electrical and Electronic Engineering (EIConRus), 01–03 February, St. Petersburg, Russia.



- Eyupoglu, C., (2016), "Clustering of Mitochondrial D-loop Sequences Using Similarity Matrix, PCA and K-means Algorithm", 3rd International Conference on Advanced Technology & Sciences (ICAT'16), 01–03 September, Konya, Turkey.
- Eyupoglu, C., (2016), "Implementation of Bernsen's Locally Adaptive Binarization Method for Gray Scale Images", 7th International Science and Technology Conference (ISTEC 2016), 13–15 July, Vienna, Austria.
- Eyupoglu, C., (2016), "Implementation of Color Face Recognition Using PCA and k-NN Classifier", 2016 IEEE NW Russia Young Researchers in Electrical and Electronic Engineering Conference (2016 EIConRusNW), 02–03 February, St. Petersburg, Russia.
- Eyupoglu, C., (2015), "Investigation of the Performance of Nikhila Multiplication Algorithm", World Conference on Technology, Innovation and Entrepreneurship, 28–30 May, Istanbul, Turkey.
- Eyupoglu, C., (2015), "Performance Analysis of Karatsuba Multiplication Algorithm for Different Bit Lengths", World Conference on Technology, Innovation and Entrepreneurship, 28–30 May, Istanbul, Turkey.
- Eyupoglu, C. and Aydin, M.A., (2015), "Energy Efficiency in Backbone Networks", World Conference on Technology, Innovation and Entrepreneurship, 28–30 May, Istanbul, Turkey.
- Kilinc, M., Canbolat, S., Eyupoglu, C. and Kut, D., (2015), "The Evaluation with Statistical Analyses of the Effect of Different Storage Condition and Type of Gas on the Properties of Plasma Treated Cotton Fabrics", World Conference on Technology, Innovation and Entrepreneurship, 28–30 May, Istanbul, Turkey.
- Eyüpoğlu, C., Aydın, M.A. and Zaim, A.H., (2014), "Slotlanmış Optik Çoğusma ve Paket Anahtarlama Teknikleri", XVI.

Akademik Bilişim Konferansı (AB 2014), 5–  
7 Şubat, Mersin, Türkiye.