CURRICULUM VITAE

Name and Surname: Sarper KARA

Date of Birth: 1978

Academic Title: Assistant Professor

Work Address:

Email: skara@biruni.edu.tr

Foreign Languages Known (Score

and Year):

English, B2 Upper Intermediate, 2017

Area of Expertise: Engineering and Technology

Health Sciences

Degree	Department/Program	University	Year	
Doctorate BİYOMEDİKAL MÜHENDİSLİĞİ (DR)		İstanbul University	2022	
Master's Degree	ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ (YL) (TEZLİ)	İstanbul University	2008	
Bachelor's Degree	ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ	İstanbul University	2003	

Master's Thesis Title (abstract attached) and Thesis Supervisor(s):

Sayısal yayın sistemleri için kodlanmış OFDM yöntemleri

Doctoral Thesis/Proficiency Study/Medical Specialization Thesis Title (abstract attached) and Supervisor(s):

Elektriksel uyarım ile sinir hücresi büyümesinin incelenmesi

Roles in Projects:

Türkiye Kökenli Bir Kişiselleştirilmiş Solunum Egzersiz Cihazının Geliştirilmesi ve Klinik Etkilerinin Farklı Örneklemler Üzerinde İncelenmesi (2022 - 2025)

Elektriksel Uyarım ile Sinir Hücresi Büyümesinin İncelenmesi (2020 - 2021)

Undergraduate and graduate level courses taught in the last two years (If offered, summer courses will also be added to the table):

Academic Year	Semester	Course Name	Weekly Hours		Number of
			Theoretical	Practical	Students
2024	Spring	Electric Circuits 2			
2024	Spring	Enerji Tesis ve Sistemlerinde İş Güvenliği			
2024	Fall	Medical Electronics			
2024	Fall	Medical Device Regulations and Processes			

2024	Fall	Enerji Tesis ve Sistemlerinde İş Güvenliği		

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

A1. "Electromagnetic investigation of neuron growth by using pulsed electromagnetic field stimulation", Elsevier BV, 2023.

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

B1. "Diagnosis of Pes Planus by processing of the images based on Harris Mat Method", International Conference on Computational and Experimental Science and Engineering (ICCESEN 2018), 2018.

C. National/international books written or chapters in books:

C1. National/international books written:

C1.1. "Mesleki ve Tıbbi Terminoloji", Ankara Nobel Tıp Kitapevleri, 2019.

C2. Chapters in national/international books written:

C2.1. "Mesleki ve Tıbbi Terminoloji", Ankara Nobel Tıp Kitabevleri, 2019.

E. Papers presented at national scientific meetings and published in proceedings:

E1. "The Electrical Characteristics of Electroconductive Gels Used in Biomedical Applications", TIPTEKNO 2017, 2017.