



Assist. Prof. Dr. BURÇAK YAVUZ

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EDUCATIONAL INFORMATION

Degree	University	Department	Year(s)
Doctoral Degree	Yildiz Technical University	Biomedicine (Phd)	2018 - 2022
Master's Degree	Adnan Meenderes University	Biology (masters) (with Thesis)	2013 - 2016
Bachelor's Degree	Adnan Meenderes University	Biology Department	2009 - 2013

RESEARCH AREAS

Exosome, Stem Cell, Tissue Engineering, Nanobiotechnology, Drug Delivery Systems

ACADEMIC DUTIES

Duty	University	Area	Year(s)
Doctor Faculty Member	Altinbas University	Department of Medical Services and Techniques	2023 -
Teaching Assistant	Altinbas University	Department of Medical Services and Techniques	2017 -

ADMINISTRATIVE DUTIES

Duty	University	Year(s)
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ACADEMIC AND PROFESSIONAL MEMBERSHIPS

Organisation	Membership	Year(s)
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NON-UNIVERSITY EXPERIENCE

Country	Organisation	Duty	Year(s)
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BOOKS

Current Topics in Zoonoses

ZORBA YILDIZ ASLI PINAR, Yildirim Koken Gulnaz, YAVUZ BURÇAK, ABAMOR EMRAH ŞEFİK, TOSYALI ÖZLEM AYŞE, YEŞİLKIR BAYDAR SERAP, Ullah Ikram, Civan Ahmet Berkay, BAĞIROVA Melahat, ALLAHVERDIYEV ADIL Intechopen, 10.5772/intechopen.112549, 2023

Scientific Book Chapter(s)

SAĞLIK & BİLİM 2023: Kök Hücre ve Rejeneratif Tıp-I

YAVUZ BURÇAK

Efe Akademi Yayınları, 9786256504981, 6256504984, 2023

Scientific Book Chapter(s)

ARTICLES

Applications of Stem Cell-Derived Extracellular Vesicles in Nerve Regeneration

YAVUZ BURÇAK,Mutlu Cansever Esra,Ahmed Zubair,Ben-Nissan Besim,Stamboulis Artemis

International Journal of Molecular Sciences, 2024

International DOI: 10.3390/ijms25115863

ARTICLES

Investigation of Neurosphere Activity of Injectable 3D Graphene Bioink Biomaterial

ZORBA YILDIZ ASLI PINAR, YAVUZ BURÇAK, ABAMOR EMRAH ŞEFİK, DARICI HAKAN, ALLAHVERDIYEV ADIL
Regenerative Engineering and Translational Medicine, 2024

International DOI: 10.1007/s40883-024-00336-2

Neuroprotective Effects of Wharton Jelly Stem Cell-Derived Exosomes Developed as Nano-Drug Delivery System in 6-OHDA-Induced Neurotoxicity in 2D and 3D Neuronal Cell Line

YAVUZ BURÇAK, ZORBA YILDIZ ASLI PINAR, ABAMOR EMRAH ŞEFİK, DARICI HAKAN, ALLAHVERDIYEV ADIL
Springer Science and Business Media LLC, 2023

International DOI: 10.1007/s40883-023-00322-0

Developments of possible clinical diagnostic methods for parkinson's disease: event-related potentials

YAVUZ BURÇAK, RUŞEN EMİR

Neurocase, 2023

International DOI: 10.1080/13554794.2024.2345404

Preparation and Characterization of Graphene-Based 3D Biohybrid Hydrogel Bioink for Peripheral Neuroengineering

ZORBA YILDIZ ASLI PINAR, DARICI HAKAN, YAVUZ BURÇAK, ABAMOR EMRAH ŞEFİK, ÖZDEMİR CEREN, YASİN MÜGE ELİF, Bağırova Melahat, ALLAHVERDIYEV ADIL, KARAÖZ ERDAL

Jove-Journal of Visualized Experiments, 2022

International

Formulating and Characterizing an Exosome-based Dopamine Carrier System

YAVUZ BURÇAK, DARICI HAKAN, ZORBA YILDIZ ASLI PINAR, ABAMOR EMRAH ŞEFİK, TOPUZOĞULLARI MURAT, BAĞIROVA MELAHAT, ALLAHVERDIYEV ADIL, KARAÖZ ERDAL

Jove-Journal of Visualized Experiments, 2022

International

PROCEEDINGS

3D Therapeutic Approaches for Peripheral Nerve Damage

ZORBA YILDIZ ASLI PINAR, YAVUZ BURÇAK, ABAMOR EMRAH ŞEFİK, DARICI HAKAN, BAĞIROVA Melahat, ALLAHVERDIYEV ADIL

9 th International Molecular Biology an Biotechnology Congress, 2020

International

A NEW APPROACH TO BIOMARKER OF PARKINSON'S DISEASE: EXOSOMES

YAVUZ BURÇAK, ZORBA YILDIZ ASLI PINAR, RUŞEN EMİR, ABAMOR EMRAH ŞEFİK, BAĞIROVA Melahat, ALLAHVERDIYEV ADIL

9th International Molecular Biology and Biotechnology Congress, 2020

International

Parkinson Hastalığının Tedavisinde Ekzosom Temelli Nanotaşıyıcı Sistemlerin Geliştirilmesi

YAVUZ BURÇAK, ALLAHVERDIYEV ADIL

1.Uluslararası Sağlık Bilimlerinde Multidisipliner Çalışmalar Kongresi, 2020

International

Use of Nanocarrier Systems in the Treatment of Neurological Diseases

YAVUZ BURÇAK

10th. International Conferens of Strategic Research on Scientific Studies and Education, 2019

International

Determination of the cytotoxic effect of chlorogenic acid on Hela cells

YAVUZ BURÇAK, ÇELİK TULAY

Union of Thrace Universities 2nd International Health Sciences Congress, 2018

International

PROCEEDINGS

Assessment of Ionizing Radiation and Radiation Protection Awareness among Anesthesia, Radiology and Operating Room Services Department Students: A Questionnaire Study

TUNÇMAN GENÇ DUYGU, YOLDAŞ ÖZLEM, ÖZCAN FIRAT, YAVUZ BURÇAK

TFD 33, 2017

International

Evaluation of Genotoxic Risk in Individuals Working in Hair Salons

ASLANTÜRK ÖZLEM SULTAN, ÇELİK TÜLAY, YAVUZ BURÇAK

4th National Congress on Cosmetic Chemistry, Production and Standardization., 2014

National

Investigation of Bacterial Contamination in Lipsticks Used as Tester and Unused

ÇELİK TÜLAY, ASLANTÜRK ÖZLEM SULTAN, YAVUZ BURÇAK

4th National Congress on Cosmetic Chemistry, Production and Standardization, 2014

National

PROJECTS

Parkinson Hastalığında Olaya İlişkin Potansiyeller ve Bilişsel Bozukluklar (Researcher)

Scientific research project supported by Higher Education Institutions, 30.11.2020 - 10.11.2022

National Completed

Wharton Jelli Kök Hücrelerinden Kökenli Eksozom Temelli Geliştirilen Nanotaşıyıcı Sistemin Teröpatik Etkinliğinin in vivo İncelenmesi (Executive)

EN_cv_academic_projeturleri_34, 30.03.2023 -

National Continues

Sinir Sistem Hastalıklarında Eksozom Temelli Tedavi Yaklaşımlarının Geliştirilmesi (Executive)

Scientific research project supported by Higher Education Institutions, 23.12.2021 -

National Continues

Yara Tedavisinde Kullanılmak Üzere Canlı Hücre Basabilen El Tipi Biyoyazıcı (Bioflux Pen) Prototipinin Geliştirilmesi Projesi (Researcher)

TÜBİTAK Project, 25.04.2025 -

National Continues

YENİ NESİL NANOTAŞIYICI MÜHENDİSLİĞİ: EKOSOM-LİPOZOM FİZYON NANOVEZİKÜLLERİN ELDE EDİLMESİ (Executive)

Scientific research project supported by Higher Education Institutions, 06.03.2023 -

National Continues

THESIS SUPERVISION

COURSES

Course Type	Course Code	Course Name
Associate Degree	ADS227	NANOBIYOTEKNOLOJİ
Associate Degree	RADY233.1	RADYOBİYOLOJİ
Associate Degree	ENF104	BİYOFİZİK
Associate Degree	ENF103	ELEKTRONÖROFİZYOLOJİYE GİRİŞ
Other	RADY214	RADYOBİYOLOJİ VE PATOLOJİ
Associate Degree	ENF222	TEMEL HASTALIK BİLGİSİ
Associate Degree	FTT280.1	SEMİNER

COURSES

Associate Degree	OPT224	ARAŞTIRMA YÖNTEM VE TEKNİKLERİ
Associate Degree	TDS108.1	HASTALIKLAR BİLGİSİ

PERSONAL INFORMATION

CONTACT INFORMATION

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