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Education Information

Doctorate, Istanbul University, Aziz Sancar Deneysel Tıp Araştırma Enstitüsü, Sinirbilim Anabilim Dalı, Turkey 2011 - 2017

Postgraduate, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), Turkey 2007 - 2009

Undergraduate, Van Yüzüncü Yil University, Fen Fakültesi, Biyoloji Bölümü, Turkey 2002 - 2006

Dissertations

Doctorate, İyon kanalı antikorlarının nöronal membran protein ekspresyonu ve sağkalm üzerine etkileri, Istanbul University, Aziz Sancar Deneysel Tıp Araştırma Enstitüsü, Sinirbilim Anabilim Dalı, 2017

Postgraduate, Akson rejenerasyon ve dejenerasyonunda Elk-1 ve Pea-3 proteinlerinin rollerinin araştırılması, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), 2009

Academic Titles / Tasks

Istanbul Medipol University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2018 - Continues

Research Assistant, Istanbul Medipol University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2011 - 2018

Courses

Sinirbilim 2, Postgraduate, 2021 - 2022

Hücre Biyolojisi ve Biyokimya, Postgraduate, 2021 - 2022, 2020 - 2021

Tıbbi Biyoloji ve Genetik, Undergraduate, 2021 - 2022, 2020 - 2021

Sinir Bilim giriş, Postgraduate, 2020 - 2021

Tıbbi Biyoloji, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

Tıbbi Biyoloji, Postgraduate, 2019 - 2020

FİZYOLOJİ, Associate Degree, 2017 - 2018

MESLEKİ BECERİ DERSİ, Undergraduate, 2016 - 2017, 2015 - 2016

Advising Theses

Neşe A., Aksolot kol rejenerasyonu sürecinde mikrobiyota etkisinin mikrobiyom ve transkriptom dinamiği açısından araştırılması, Postgraduate, S.GÜL(Student), 2021

Neşe A., Aksolotl kol rejenerasyonu sürecinde epitranskriptom değişiminin mRNA modifikasyonları seviyesinde araştırılması, Postgraduate, P.TUĞLU(Student), 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Development of BDNF/NGF/IKVAV Peptide Modified and Gold Nanoparticle Conductive PCL/PLGA Nerve Guidance Conduit for Regeneration of the Rat Spinal Cord Injury**
Özçiçek İ., Aysit N., Balcikanli Z., Aytürk N., Aydeger A., Baydaş G., Aydın M., Altintas E., Erim Ü. C.
Macromolecular Bioscience, vol.24, no.5, 2024 (SCI-Expanded)
- II. **Active shrinkage protects neurons following axonal transection.**
Aydın M. Ş., Bay S., Yiğit E. N., Özgül C., Kaval Oğuz E., Konuk E. Y., Aysit N., Cengiz N., Erdoğan E., Him A., et al.
iScience, vol.26, no.10, pp.107715, 2023 (SCI-Expanded)
- III. **Combined segmentation and classificationbased approach to automated analysis of biomedical signals obtained from calcium imaging**
Dursun G., Bijelić D., AYŞİT N., Vatandaşlar B. K., Radenović L., Çapar A., KERMAN B. E., Andjus P. R., Korenić A., ÖZKAYA U.
PLoS ONE, vol.18, no.2 February, 2023 (SCI-Expanded)
- IV. **The Effects of Various Surface Coatings of Gold Nanorods on Toxicity, Neuronal Localization, Microstructural Alterations, and In vitro/In vivo Biodistribution**
ÖZÇİÇEK İ., AYŞİT N., ÇAKICI Ç., Ayturk N. U., Aydeger A., ERİM Ü. C.
Advanced Materials Interfaces, vol.9, no.3, 2022 (SCI-Expanded)
- V. **The effects of surface functionality and size of gold nanoparticles on neuronal toxicity, apoptosis, ROS production and cellular/suborgan biodistribution**
ÖZÇİÇEK İ., AYŞİT N., ÇAKICI Ç., Aydeger A.
Materials Science and Engineering C, vol.128, 2021 (SCI-Expanded)
- VI. **Two distinct types of dying back axonal degeneration in vitro**
ÖZTÜRK G., Cengiz N., Erdoğan E., Him A., Oğuz E., Yenidünya E., AYŞİT N.
Neuropathology and Applied Neurobiology, vol.39, no.4, pp.362-376, 2013 (SCI-Expanded)
- VII. **ETS-domain transcription factor Elk-1 mediates neuronal survival: SMN as a potential target**
Demir O., Aysit N., Onder Z., Turkel N., Ozturk G., Sharrocks A. D., Kurnaz I. A.
Biochimica et Biophysica Acta - Molecular Basis of Disease, vol.1812, no.6, pp.652-662, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Design of IKVAV peptide/gold nanoparticle decorated, micro/nano-channeled PCL/PLGA film scaffolds for neuronal differentiation and neurite outgrowth**
Aydeger A., Aysit N., Baydaş G., Çakıcı Ç., Erim Ü. C., Arpa M. D., Özçiçek İ.
Biomaterials Advances, vol.152, 2023 (Scopus)
- II. **Determining the Nutrition Habits of the Mothers of Gifted Children During the Pregnancy: A Retrospective Study**
ALTINOKLU E. N., Öztürk R. İ., KABLAN Ş., Aysit N., GARGACI TUNCER F.
Türkiye Klinikleri Sağlık Bilimleri Dergisi, vol.8, no.2, pp.250-260, 2023 (Peer-Reviewed Journal)
- III. **The effects of gold nanoparticles with different surface coatings and sizes on biochemical parameters in mice**
Ozcicek I., Cakici C., Aysit N., ERİM Ü. C.
The European Research Journal, vol.9, no.1, pp.131-139, 2023 (Peer-Reviewed Journal)

- I. **Design of Micro/Nano-Patterned and Conductive PCL/PLGA Scaffolds for the Oriented Growth of Motor Neurons**
Özçiçek İ., Aysit N., Aydeğer A., Baydaş G.
5th EURASIA BIOCHEMICAL APPROACHES & TECHNOLOGIES (EBAT) CONGRESS, Antalya, Turkey, 2 - 05 November 2023, pp.9
- II. **Development of nerve guidance conduit modified with gold nanoparticles and neural factors for rat spinal cord injury regeneration**
Özçiçek İ., Aysit N., Balçıklı Z., Aytürk N., Aydeğer A., Baydaş G., Aydın M. Ş., Altuntaş E., Erim Ü. C.
XVIII. Tıbbi Biyoloji ve Genetik Kongresi, Ankara, Turkey, 26 - 29 October 2023, pp.1-5
- III. **DEVELOPMENT OF MICRO/NANO-PATTERNED TISSUE SCAFFOLDS FOR NEURAL TISSUE ENGINEERING APPLICATIONS**
ÖZÇİÇEK İ., AYŞİT N., AYDEĞER A., BAYDAŞ G.
IV. BASKENT INTERNATIONAL CONFERENCE ON MULTIDISCIPLINARY STUDIES, Ankara, Turkey, 05 August 2023
- IV. **Neuronal Differentiation and Neurite Orientation on Gold Nanoparticle Decorated, Micro/Nano-channeled PCL/PLGA Film Scaffolds**
AYDEĞER A., AYŞİT N., BAYDAŞ G., ÖZÇİÇEK İ.
4th EURASIA BIOCHEMICAL APPROACHES & TECHNOLOGIES (EBAT) CONGRESS, Antalya, Turkey, 03 November 2022
- V. **The Effects of Gold Nanorods with Various Surface Modifications on In vivo Toxicity and Biodistribution in Mice**
ÖZÇİÇEK İ., ALTUNCU N., AYDEĞER A., ÇAKICI Ç., AYTÜRK N.
3rd EURASIA BIOCHEMICAL APPROACHES & TECHNOLOGIES (EBAT) CONGRESS, Antalya, Turkey, 4 - 07 November 2021
- VI. **Multiparametric Investigation of Neuronal Effects of Gold Nanorods with Various Surface Coatings**
ÖZÇİÇEK İ., ALTUNCU N., ÇAKICI Ç.
3rd EURASIA BIOCHEMICAL APPROACHES & TECHNOLOGIES (EBAT) CONGRESS, Antalya, Turkey, 4 - 07 November 2021
- VII. **Farklı yüzey kaplamalarına ve fiziksel özelliklere sahip altın nanomateryallerin, farelerdeki histolojik değişimlere etkileri**
ÖZÇİÇEK İ., AYTÜRK N., ALTUNCU N.
EMK 2021, İstanbul, Turkey, 22 - 24 September 2021
- VIII. **The effects of size, shape and surface functionality on in vivo biodistribution and toxicity: A multiparametric biochemical study of gold nanomaterials**
ÖZÇİÇEK İ., ALTUNCU N., ÇAKICI Ç., AYDEĞER A.
45th FEBS Congress, 03 July 2021
- IX. **Effect of ginkgo biloba extract egb 761 on intracellular calcium level and excitability in wag/rij rat cortical neuron culture**
AKÇA M., YILDIRIM M., BAYDAŞ G., BAY S., AYŞİT N., ÖZTÜRK G.
Turkish Society of Physiological Sciences 45th National Physiology, Aydın, Turkey, 31 October - 03 November 2019, vol.227, pp.76
- X. **Effects of ginkgo biloba components and calcium channel blockers on cortical neuron excitability in wag/rij rats with absence epilepsy: In vitro calcium imaging study**
AKÇA M., YILDIRIM M., BAY S., BAYDAŞ G., AYŞİT N., ÖZTÜRK G.
Turkish Society of Physiological Sciences 45th National Physiology, Aydın, Turkey, 31 October - 03 November 2019, vol.227, pp.44
- XI. **Investigation of neural cellular effects of the functionalized gold nanomaterials by multiparametric analysis**
ÖZÇİÇEK İ., ALTUNCU N., ÇAKICI Ç.
Tıbbi Biyoloji Kongresi, Turkey, 27 October 2019
- XII. **Neural Cellular Effects of the Gold Nanomaterials with Different Surface Functionalities and Physical Properties**

ÖZÇİÇEK İ., ALTUNCU N., ÇAKICI Ç.

2ndEurasia Biochemical Approaches & Technologies (2.EBAT) Congress, Turkey, 26 October 2019

- XIII. **The effect of surface functionality, size and shape on neural toxicity, ROS generation, apoptosis and cellular uptake: A multiparametric study of gold nanomaterials**

ÖZÇİÇEK İ., ALTUNCU N.

24th International Biomedical Science and Technology Symposium (BIOMED2019), 17 - 20 October 2019

- XIV. **Fare Omurilik Hasarında Tedavi Amaçlı Aksolotl Hücre Süspansiyonu Uygulaması**

OZANSOY M., ALTUNCU N., ÖZTÜRK G.

15. Ulusal Sinirbilim Kongresi, Turkey, 7 - 10 May 2017