

Assoc. Prof. NESLİHAN TOYRAN ALOTAİBİ

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAA-5195-2022

Yoksis Researcher ID: 101991

Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biyoloji (Dr), Turkey
1999 - 2003

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Biyoloji (Yl) (Tezli),
Turkey 1997 - 1999

Undergraduate, Middle East Technical University, Faculty Of Education, Ortaöğretim Fen Ve Matematik Alanlar Eğitimi
Bölümü, Turkey 1993 - 1997

Dissertations

Doctorate, Molecular approach with fourier transform infrared spectroscopy to different pathological systems (diabetes
mellitus and arteriovenous malformation) with various treatments, Middle East Technical University, Fen Bilimleri
Enstitüsü, Biyoloji (Dr), 2003

Postgraduate, The Effect of divalent ions on antioxidant phospholipid model membrane interactions, Middle East
Technical University, Fen Bilimleri Enstitüsü, Biyoloji (Yl) (Tezli), 1999

Research Areas

Biophysics

Academic Titles / Tasks

Associate Professor, Dokuz Eylul University, Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler Bölümü,
2015 - Continues

Associate Professor, Baskent University, School Of Medicine, Department Of Basic Medical Sciences, 2013 - 2015

Expert, Baskent University, School Of Medicine, Department Of Basic Medical Sciences, 2012 - 2013

Assistant Professor, Baskent University, School Of Medicine, Department Of Basic Medical Sciences, 2005 - 2010

Lecturer, Baskent University, School Of Medicine, Department Of Basic Medical Sciences, 2003 - 2005

Research Assistant, Middle East Technical University, Fen-Edebiyat Fakültesi, Biyolojik Bilimler Bölümü, 1997 - 2003

Courses

Temel Laboratuvar Uygulamaları II (Teorik), Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022
Fizyoloji (Teorik), Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022
Temel Laboratuvar Uygulamaları II (Uygulama), Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022
Fizyoloji (Teorik), Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022
İngilizce Okuma ve Konuşma, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022
Moleküler Biyolojik Yöntemler (Teorik), Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022
Fizyoloji (Teorik), Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022
FİZYOLOJİ (Teorik), Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022
Temel Laboratuvar Uygulamaları I (Teorik), Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022
Mesleki İngilizce I (Teorik), Associate Degree, 2023 - 2024, 2022 - 2023
Fizyoloji (Teorik), Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022
Temel Laboratuvar Uygulamaları I (Uygulama), Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022
FİZYOLOJİ (Teorik), Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022
Fizyoloji (Teorik), Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022
İngilizce Okuma ve Konuşma (Teorik), Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022
FİZYOLOJİ (Teorik), Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022
HÜCRE BİLGİSİ (Teorik), Associate Degree, 2021 - 2022
Mesleki İngilizce, Associate Degree, 2015 - 2016, 2014 - 2015
Fizyoloji, Associate Degree, 2015 - 2016
Fizyoloji, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004
Meslek Etiği, Associate Degree, 2014 - 2015
Biyofizik, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004
İnsan Anatomisi ve Fizyolojisi, Undergraduate, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004
Experimental Techniques in Molecular Biology Laboratory, Undergraduate, 2002 - 2003, 2000 - 2001
Molecular and Cellular Biology Laboratory, Undergraduate, 2002 - 2003, 2000 - 2001
Experimental Techniques in Biology Laboratory, Undergraduate, 2002 - 2003, 2000 - 2001

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **DETERMINING THE RELATIONSHIP BETWEEN HEALTH TECHNICIAN STUDENTS' ATTITUDES TO THE COVID-19 PANDEMIC AND INTOLERANCE OF UNCERTAINTY WITH DEPRESSION, ANXIETY, AND STRESS LEVELS**
AÇIKGÖZ A., Yoruk S., Toyran N., Guler D. S.
Psychiatra Danubina, vol.35, no.4, pp.544-553, 2023 (SCI-Expanded)
- II. **An evaluation of the effectiveness of dental health training administered at a health services school**
Kılınç G., Açıköz A., Koca B., Toyran Al Otabi N., Gültaş N.
HEALTH PROMOTION JOURNAL OF AUSTRALIA, vol.32, no.2, pp.295-302, 2021 (SSCI)
- III. **The Transcription Factor Elf3 Is Essential for a Successful Mesenchymal to Epithelial Transition**
Sengez B., Aygun I., Shehwana H., TOYRAN ALOTAİBİ N., Avci S. T., KONU KARAKAYALI Ö., Stemmler M. P., Alotaibi H.
CELLS, vol.8, no.8, 2019 (SCI-Expanded)
- IV. **Exposure to continuous darkness leads to atypical symptoms of seasonal affective disorder in rats**
Isman C. A., Toyran N., Gundogan N. U.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.40, no.2, pp.271-277, 2010 (SCI-Expanded)
- V. **The Effect of Cellular Phone on Cancer: Review**

- Toyran N.
TURKIYE KLINIKLERI TIP BILIMLERI DERGISI, vol.28, no.6, pp.933-941, 2008 (SCI-Expanded)
- VI. **Fourier Transform Infrared Microspectroscopy Technique: Review**
Toyran N.
TURKIYE KLINIKLERI TIP BILIMLERI DERGISI, vol.28, no.5, pp.704-714, 2008 (SCI-Expanded)
- VII. **Effects of selenium supplementation on rat heart apex and right ventricle myocardia by using FTIR spectroscopy: A cluster analysis and neural network approach**
Toyran N., Severcan F., Severcan M., Turan B.
FOOD CHEMISTRY, vol.110, no.3, pp.590-597, 2008 (SCI-Expanded)
- VIII. **Interaction between vitamin D-2 and magnesium in liposomes: Differential scanning calorimetry and FTIR spectroscopy studies**
Toyran N., Severcan F.
JOURNAL OF MOLECULAR STRUCTURE, vol.839, no.1-3, pp.19-27, 2007 (SCI-Expanded)
- IX. **Selenium alters the lipid content and protein profile of rat heart: An FTIR micro spectroscopic study**
Toyran N., Turan B., Severcan F.
ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, vol.458, no.2, pp.184-193, 2007 (SCI-Expanded)
- X. **Investigation of diabetes-induced effect on apex of rat heart myocardium by using cluster analysis and neural network approach: An FTIR study**
Toyran N., Severcan F., Severcan M., Turan B.
SPECTROSCOPY-AN INTERNATIONAL JOURNAL, vol.21, no.5-6, pp.269-278, 2007 (SCI-Expanded)
- XI. **Early alterations in myocardia and vessels of the diabetic rat heart: an FTIR microspectroscopic study**
Toyran N., Lasch P., Naumann D., Turan B., Severcan F.
BIOCHEMICAL JOURNAL, vol.397, pp.427-436, 2006 (SCI-Expanded)
- XII. **Effect of stereotactic radiosurgery on lipids and proteins of normal and hypoperfused rat brain homogenates: A Fourier transform infrared spectroscopy study**
Toyran N., Zorlu F., Severcan F.
INTERNATIONAL JOURNAL OF RADIATION BIOLOGY, vol.81, no.12, pp.911-918, 2005 (SCI-Expanded)
- XIII. **Chronic hypoperfusion alters the content and structure of proteins and lipids of rat brain homogenates: a Fourier transform infrared spectroscopy study**
Toyran N., Zorlu F., Donmez G., Oge K., Severcan F.
EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS, vol.33, no.6, pp.549-554, 2004 (SCI-Expanded)
- XIV. **Competitive effect of vitamin D-2 and Ca²⁺ on phospholipid model membranes: an FTIR study**
Toyran N., Severcan F.
CHEMISTRY AND PHYSICS OF LIPIDS, vol.123, no.2, pp.165-176, 2003 (SCI-Expanded)
- XV. **Infrared spectroscopic studies on the dipalmitoyl phosphatidylcholine bilayer interactions with calcium phosphate: Effect of vitamin D-2**
Toyran N., Severcan F.
SPECTROSCOPY-AN INTERNATIONAL JOURNAL, vol.16, no.3-4, pp.399-408, 2002 (SCI-Expanded)
- XVI. **Vitamin D-2 at high and low concentrations exert opposing effects on molecular order and dynamics of dipalmitoyl phosphatidylcholine membranes**
Kazanci N., Toyran N., Haris P., Severcan F.
SPECTROSCOPY-AN INTERNATIONAL JOURNAL, vol.15, no.2, pp.47-55, 2001 (SCI-Expanded)
- XVII. **Fourier transform infrared study of the effect of diabetes on rat liver and heart tissues in the C-H region**
Severcan F., Toyran N., Kaptan N., Turan B.
TALANTA, vol.53, no.1, pp.55-59, 2000 (SCI-Expanded)
- XVIII. **The effect of magnesium ions on vitamin D-2-phospholipid model membrane interactions in the presence of different buffer media**
Toyran N., Severcan F.
TALANTA, vol.53, no.1, pp.23-27, 2000 (SCI-Expanded)

Articles Published in Other Journals

- I. **THE EFFECT OF SOCIOECONOMIC STATUS AND ENVIRONMENTAL FACTORS ON HEALTH TECHNICIAN STUDENTS' USE OF TOBACCO PRODUCTS**
Kılınç G., Açıkgöz A., Kılınç O., Toyran Alotaibi N.
JOURNAL OF BASIC AND CLINICAL HEALTH SCIENCES, vol.8, no.1, pp.65-74, 2024 (ESCI)
- II. **Evaluating The Transcriptional Regulation of Cdh1 by Grhl3 in Different Cellular Models**
Alotaibi N., Alotaibi H.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.4, 2022 (Peer-Reviewed Journal)
- III. **Relation between visio spatial abilities and academic success Baskent University Medical Faculty experience**
KIZILTAN E., YAZICI A. C., TOYRAN AL OTAİBİ N., Bodur B., FATMA PELİN Ç., ERDEM İ., KAYA T., GAMZE Ö.
Turkiye Klinikleri J Med Sci, vol.35, no.3, pp.138-145, 2015 (Scopus)
- IV. **Effects of sulindac and naproxen on model membrane dynamics**
TOYRAN AL OTAİBİ N., GÜNDOĞAN N. Ü., Bayhan A.
Biotechnology: an Indian Journal, vol.11, no.3, pp.102-108, 2015 (Scopus)
- V. **Fourier Transform İnfrared Mikrospektroskopi Tekniği Fourier Transform Infrared Microspectroscopy Technique Review**
TOYRAN AL OTAİBİ N.
Turkiye Klinikleri J Med Sci, vol.28, pp.704-714, 2008 (Peer-Reviewed Journal)
- VI. **Cep Telefonunun Kanser Üzerine Etkisi The Effect of Cellular Phone on Cancer Review**
TOYRAN AL OTAİBİ N.
Turkiye Klinikleri J Med Sci, vol.28, no.6, pp.933-941, 2008 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **The role of selenium treatment on diabetes-induced changes in rat heart at the molecular level**
Toyran N., Turan B., Severcan F.
25th Annual Scientific Session of the European Section of the International-Society-for-Heart-Research, Tromso, Norway, 21 - 25 June 2005, vol.38, pp.1066
- II. **Divalent İyon Vitamin D2 DPPC Model Membran Etkileşmesinin FTIR Spektroskopik Tekniği Kullanılarak İncelenmesi**
TOYRAN AL OTAİBİ N., Feride S.
XI. Ulusal Biyofizik Kongresi, Turkey, 31 October - 02 November 1999, pp.35
- III. **Kalsiyum iyonunun değişik tampon çözelti ortamında antioksidan fosfolipit model membran etkileşimindeki etkisi**
TOYRAN AL OTAİBİ N., Feride S., Eker F.
X. Ulusal Biyofizik Kongresi, Turkey, 10 - 12 September 1998

Metrics

Publication: 27

Citation (WoS): 506

Citation (Scopus): 19

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H-Index (Scopus): 1