

Lect. PhD PERİHAN ERKAN ALKAN

Personal Information

Office Phone: [+90 224 294 1789](tel:+902242941789)

Email: perihanerkan@uludag.edu.tr

Web: <https://avesis.uludag.edu.tr/perihanerkan>

International Researcher IDs

ORCID: 0000-0002-8837-3375

Publons / Web Of Science ResearcherID: AAK-4004-2021

ScopusID: 8401289600

Yoksis Researcher ID: 195753

Education Information

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Biyoloji (Dr), Turkey 2007 - 2011

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Microbiology

Academic Titles / Tasks

Lecturer PhD, Bursa Uludağ University, SAĞLIK HİZMETLERİ MYO, TIBBİ HİZMETLER VE TEKNİKLER, 2013 - Continues

Academic and Administrative Experience

Assistant Director of Vocational School, Bursa Uludağ University, SAĞLIK HİZMETLERİ MYO, TIBBİ HİZMETLER VE TEKNİKLER, 2015 - 2022

Courses

Tıbbi Mikrobiyoloji I, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Tıbbi Mikrobiyoloji III, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Fizyoloji, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Tıbbi Mikrobiyoloji-II, Associate Degree, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Parazitoloji, Associate Degree, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Can Nanobubble Ozone Liposomes Be A New Agent In The Fight Against Foodborne Infections?**
Alkan P., Güneş M. E., Sabancı A. Ü.
Recent patents on nanotechnology, vol.18, pp.17-21, 2024 (SCI-Expanded)
- II. **Antibiofilm Activity of Different Washing Solutions against Biofilms in Cystic Fibrosis Patients' Nasal Cavities**
Tuzemen G., TÜZEMEN N. Ü., Alkan P. E., ÖZAKIN C.
JOURNAL OF PEDIATRIC INFECTIOUS DISEASES, vol.18, no.05, pp.250-255, 2023 (SCI-Expanded)
- III. **Nanobubble Ozone Stored in Hyaluronic Acid Decorated Liposomes: Antibacterial, Anti-SARS-CoV-2 Effect and Biocompatibility Tests**
Sabancı A. U., Alkan P. E., Mujde C., Polat H. U., Erguzeloglu C. O., BİŞGİN A., ÖZAKIN C., TEMEL Ş. G.
INTERNATIONAL JOURNAL OF NANOMEDICINE, vol.17, pp.351-379, 2022 (SCI-Expanded)
- IV. **New Antibacterial Agent: Nanobubble Ozone Stored in Liposomes: The Antibacterial Activity of Nanobubble Ozone in Liposomes and Their Thymol Solutions**
Alkan P., Gunes M. E., Ozakin C., Sabancı A. U.
OZONE-SCIENCE & ENGINEERING, vol.43, no.6, pp.637-641, 2021 (SCI-Expanded)
- V. **Analysis of airborne pollen grains in Kırklareli**
ERKAN ALKAN P., BIÇAKÇI A., AYBEKE M., MALYER H.
TURKISH JOURNAL OF BOTANY, vol.35, no.1, pp.57-65, 2011 (SCI-Expanded)
- VI. **Analysis of airborne pollen fall in Edirne, Turkey**
Bıcakci A., Olgun G., Aybeke M., Erkan P., Malyer H.
ACTA BOTANICA SINICA, vol.46, no.10, pp.1149-1154, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **Nanoparticle Liposomes: a New Strategy in Bacterial Infections**
Erkan Alkan P., Güneş M. E., Özakin C., Sabancı A. Ü.
Klimik Dergisi/Klimik Journal, vol.34, no.2, pp.94-97, 2021 (Peer-Reviewed Journal)
- II. **Pollen Analysis of Chestnut Honey in Some Provinces of the Black Sea Region, Turkey**
Erkan Alkan P.
Mellifera, vol.20, no.2, pp.18-31, 2020 (Peer-Reviewed Journal)
- III. **İnsülin Enjeksiyonu Uygulamalarında Enjeksiyon Bölgesinin Mikrobiyal Yükünün İncelenmesi**
Yılmaz D., Erkan Alkan P., Özakin C., Dirik G.
Uludağ Üniversitesi Tıp Fakültesi Dergisi, vol.45, no.1, pp.77-81, 2019 (Peer-Reviewed Journal)
- IV. **Allergenic Cupressaceae (cypress family) pollen concentrations in Turkey**
BIÇAKÇI A., TOSUNOĞLU A., Altunoglu M. K., ÇELENK S., Erkan P., CANİTEZ Y., Malyer H., SAPAN N.
ASTIM ALLERJİ IMMUNOLOJİ, vol.8, no.1, pp.1-12, 2010 (ESCI)
- V. **Analysis of Airborne Pollen Fall Tekirdağ Turkey**
ERKAN ALKAN P., BIÇAKÇI A., AYBEKE M.
Asthma Allergy Immunology, no.8, pp.46-54, 2010 (Peer-Reviewed Journal)
- VI. **Allerjenik Cupressaceae servi ardıc ağacı polenlerinin Türkiye deki dağılımları Allergenic Cupressaceae cypress family pollen concentrations in Turkey**
Bıçakçı A., Tosunoğlu A., Altunoğlu M. K., Çelenk S., Erkan Alkan P., Canitez Y., Malyer H., Sapan N.
ASTIM ALLERJİ IMMUNOLOJİ, vol.8, no.1, pp.1-12, 2010 (Peer-Reviewed Journal)
- VII. **Cladosporium Link ex Fr and Alternaria Nees ex Fr Spores in the Atmosphere of Edirne**
Çelenk S., Bıçakçı A., Erkan Alkan P., Aybeke M.
Journal of Biological & Environmental Sciences, vol.1, no.3, pp.127-130, 2007 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **ALTERNARIA SP AND CLADOSPORIUM SP.: WHERE DO SEASONAL CHANGES PLACE ALLERGEN FUNGUS SPORES IN OUR CITY LIFE?**
Erkan Alkan P.
in: HEALTH SCIENCES Current Researches and New Trends 2021, Assoc. Prof. Dr. Savas KARYAGAR, Editor, IVPE, Cetinje, pp.106-114, 2021
- II. **Investigation on Atmospheric Allergen Pollens of Thrace (Edirne, Kırklareli, Tekirdağ) in Turkey**
Erkan Alkan P.
in: Academic Studies in Health Sciences-II, CEM EVEREKLİOĞLU, Editor, Gece Publishing, Ankara, pp.325-344, 2020

Refereed Congress / Symposium Publications in Proceedings

- I. **Streptomisin ve Nanopartiküler Ozonun Staphylococcus aureus ve Pseudomonas aeruginosa'ya Karşı In-Vitro Antibiyofilm Aktivitesi**
tüzemen g., TÜZEMEN N. Ü., ERKAN ALKAN P., ÖZAKIN C.
XL. uluslararası türk mikrobiyoloji kongresi, Antalya, Turkey, 16 November 2022
- II. **Daha Küçük Nanopartikül Daha Büyük Etkinlik: Yoğun Bakım Ünitelerinde Hem Hasta Hem Çalışanı Korumak Nanopartikül Lipozomlarla Mümkün Mü?**
Erkan Alkan P., Güneş M. E., Özakin C.
12. Uluslararası Sterilizasyon Dezenfeksiyon Kongresi, Antalya, Turkey, 9 - 12 December 2021, no.1, pp.89-90
- III. **Nanopartikül Lipozomlar: Bakteriyel Enfeksiyonlar İçin Yeni Bir Strateji Olabilir mi?**
ERKAN ALKAN P., GÜNEŞ M. E., SABANCI A. Ü., TÜZEMEN N. Ü., ÖZAKIN C.
XXI. Türk Klinik Mikrobiyoloji ve Enfeksiyon Hastalıkları Kongresi (KLİMİK 2021), Turkey, 26 May 2021, pp.443-444
- IV. **% 2 ÇİNKOKLORÜRLÜ NANO BALONCUKLU LİPOZOMLAR: BAKTERİYEL ENFEKSİYONLARLA MÜCADELEDE YENİ BİR ÇIKIŞ YOLU MU?**
GÜNEŞ M. E., ERKAN ALKAN P., SABANCI A. Ü., ÖZAKIN C.
2nd AL FARABI INTERNATIONAL CONGRESS ON APPLIED SCIENCES May 2-4, 2021 / 'Nakhchivan' University, Azerbaijan, Nahçıvan, Azerbaijan, 2 - 04 May 2021, pp.219-221
- V. **Erdek'in (Balıkesir) Allerjen Polenleri**
ERKAN ALKAN P.
International Asian Congress on Contemporary Sciences- IV, Baku, Azerbaijan, 26 - 28 June 2020, pp.247
- VI. **Yoğun Bakım Hastalarında Ventilatör İlişkili Pnömoni Gelişimini ve Bakteri Kolonizasyonunu Önlemede Ağız Bakımının Rolü**
YILMAZ D., ERKAN ALKAN P.
4. Uluslararası Bilimsel Araştırmalar Kongresi, Yalova, Turkey, 14 - 17 February 2019, pp.694-696
- VII. **An Examination of the Microbiological Colonization of Antiseptic Solutions and Bandaging Materials Used in Peripheral Intravenous Catheterization: A Pilot Study**
ERKAN ALKAN P., YILMAZ D., ÖZAKIN C.
5th World Conference on Health Sciences, Aydın, Turkey, 27 - 29 April 2018
- VIII. **İnsülin Enjeksiyonu Uygulamalarında Enjeksiyon Bölgesinin Mikrobiyal Yükünün İncelenmesi**
YILMAZ D., ERKAN ALKAN P., ÖZAKIN C., DİRİK G.
Hastane Enfeksiyonları Kongresi, Antalya, Turkey, 4 - 08 April 2018, vol.22, pp.303
- IX. **Practices to Prevent Infections from Peripheral Intravenous Catheters: A Review of the Literature**
YILMAZ D., ERKAN ALKAN P.
4th World Conference on Health Sciences, Antalya, Turkey, 28 - 30 April 2017, pp.43
- X. **Atmospheric pollen content of Yalova province of Turkey 2005**
Altunoglu M., BIÇAKÇI A., Tosunoglu A., ÇELENK S., Erkan P., Canitez Y., Malyer H., Sapan N.
29th Congress of the European-Academy-of-Allergy-and-Clinical-Immunology (EAACI), London, Canada, 5 - 09

June 2010, vol.65, pp.428

XI. The concentration of atmospheric pollen of Edirne, Turkey

BIÇAKÇI A., Altunoglu M., Aybeke M., Sapan N., Erkan P.

29th Congress of the European-Academy-of-Allergy-and-Clinical-Immunology (EAACI), London, Canada, 5 - 09

June 2010, vol.65, pp.422-423

XII. The relationship between pollen season and skin prick test results for children living in Edirne, Turkey

Erkan P., BIÇAKÇI A., Yazicioglu M., Altunoglu M., Sapan N.

29th Congress of the European-Academy-of-Allergy-and-Clinical-Immunology (EAACI), London, Canada, 5 - 09

June 2010, vol.65, pp.167

XIII. Daily distrubtion of plane tree (Platanus sp.) pollen in the atmosphere of Yalova, Turkey

Altunoglu M., BIÇAKÇI A., Tosunoglu A., ÇELENK S., Erkan P., Canitez Y., Malyer H., Sapan N.

29th Congress of the European-Academy-of-Allergy-and-Clinical-Immunology (EAACI), London, Canada, 5 - 09

June 2010, vol.65, pp.428-429

Supported Projects

Yılmaz D., Erkan Alkan P., Özakin C., Project Supported by Higher Education Institutions, Periferik İntravenöz Katater Uygulamalarında Kullanılan Aseptik Solüsyonun ve Tespit Materyalinin Mikrobiyolojik Kolonizasyon Açısından İncelenmesi, 2015 - 2016

Bıçakçı A., TUBITAK Project, Van Erzurum Malatya ve Gaziantep İlleri Havasındaki Allerjenik Polenler Tubitak Projesi 109S086, 2009 - 2013

Scientific Refereeing

Research Project of the Presidency of Turkey Health Institutes (TÜSEB), TÜSEB, Turkey, June 2022

Project Supported by Higher Education Institutions, BAP Research Project, Trakya University, Turkey, June 2022

MELLİFERA, Other Indexed Journal, December 2020

Uşak Üniversitesi Fen ve Doğa Bilimleri Dergisi, Other Indexed Journal, November 2020

TURKISH JOURNAL OF BOTANY, SCI Journal, August 2012

TURKISH JOURNAL OF BOTANY, SCI Journal, August 2011

Metrics

Publication: 28

Citation (WoS): 73

Citation (Scopus): 39

H-Index (WoS): 5

H-Index (Scopus): 4

Awards

Erkan Alkan P., Güneş M. E., Özakin C., Sözlü Bildiri Birincilik Ödülü, 12.Uluslararası Sterilizasyon Dezenfeksiyon Kongresi, December 2021