

Asst. Prof. Perihan Akbaş

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: IYJ-3593-2023

ScopusID: 58199091800

Yoksis Researcher ID: 133688

Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Genel Biyoloji (Dr), Turkey 2009 - 2013

Postgraduate, Kafkas University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), Turkey 2002 - 2004

Undergraduate, Ataturk University, Fen Fakültesi, Biyoloji Bölümü, Turkey 1998 - 2002

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Locusta migratoria çekirgesi kullanılarak mikrobiyolojik amaçlı pepton üretimi, Ataturk University, Fen Bilimleri Enstitüsü, Genel Biyoloji (Dr), 2013

Postgraduate, Kars ilinde lokantalarda satışa sunulan dönerlerin E. coli 0157:H7 açısından incelenmesi, Kafkas University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), 2004

Research Areas

Food Microbiology, Microbiology, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Ondokuz Mayıs University, Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler Bölümü, 2022 - Continues

Assistant Professor, Kafkas University, Atatürk Health Services Vocational School, Department Of Medical Services And Techniques, 2014 - 2022

Academic and Administrative Experience

Deputy Director of the Center, Ondokuz Mayıs University, Karadeniz İleri Teknoloji Araştırma Ve Uygulama Merkezi, 2022 - 2024

Deputy Director of the Center, Kafkas University, Deney Hayvanları Uygulama ve Araştırma Merkezi, 2019 - 2022

Assistant Director of Vocational School, Kafkas University, Atatürk Sağlık Hizmetleri Meslek Yüksekokulu, 2019 - 2022

Assistant Director of Vocational School, Kafkas University, Atatürk Sağlık Hizmetleri Meslek Yüksekokulu, 2017 - 2018

Assistant Director of Vocational School, Kafkas University, Atatürk Sağlık Hizmetleri Meslek Yüksekokulu, 2015 - 2015

Courses

OLAY YERİ İNCELEME, Postgraduate, 2022 - 2023

GIDA MİKROBİYOLOJİSİ, Undergraduate, 2022 - 2023

KİMLİKLENDİRME YÖNTEMLERİ VE PARMAK İZİ, Postgraduate, 2022 - 2023

KRİMİNALİSTİK, Postgraduate, 2022 - 2023

TEMEL LABORATUVAR UYGULAMALARI II, Associate Degree, 2021 - 2022

TIBBİ BİYOLOJİ ve GENETİK, Associate Degree, 2021 - 2022, 2020 - 2021

TIBBİ VE RADYOLOJİK TERMİNOLOJİ, Associate Degree, 2021 - 2022

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

TIBBİ TERMİNOLOJİ, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020

MİKROBİYOLOJİ, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2014 - 2015

HASTANE ENFEKSİYONLARI VE KORUNMA, Associate Degree, 2020 - 2021

STERİLİZASYON ve DEZENFEKSİYON, Associate Degree, 2020 - 2021, 2019 - 2020

ENFEKSİYON HASTALIKLARI, Associate Degree, 2020 - 2021

TIBBİ BİYOLOJİ VE GENETİK, Associate Degree, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

TEMEL LABORATUVAR İLKELERİ II, Associate Degree, 2019 - 2020

TEMEL MİKROBİYOLOJİ, Associate Degree, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2014 - 2015

GENEL MİKROBİYOLOJİ, Associate Degree, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

LABORATUVAR ALETLERİ, Associate Degree, 2018 - 2019, 2017 - 2018, 2016 - 2017

HİJYEN VE SANİTASYON, Associate Degree, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

SUNUM TEKNİKLERİ, Associate Degree, 2017 - 2018

SEMİNER, Associate Degree, 2016 - 2017

TEMEL LABORATUVAR UYGULAMALARI 1, Associate Degree, 2015 - 2016

TEMEL LABORATUVAR UYGULAMALARI 2, Associate Degree, 2014 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of antimicrobial and antioxidant activities of *Chenopodium album* extracts and their effects on gentamicin nephrotoxicity in rats**
Akbaş P., Kaya E., Makav M., Yıldız G.
Food Science and Nutrition, vol.11, no.12, pp.8121-8130, 2023 (SCI-Expanded)
- II. **Determination of the Antimicrobial, Antioxidant Activities and Fatty Acid Composition of *Peganum harmala* Seed**
KAYA E., Akbaş P.
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, vol.66, 2023 (SCI-Expanded)
- III. **Microbiological quality of beef doner kebabs in Turkey**
Elmalı M., Ulukanlı Z., Tuzcu M., Yaman H., Cavlı P.
Archiv für Lebensmittelhygiene, vol.56, no.2, pp.32-34, 2005 (SCI-Expanded)

Articles Published in Other Journals

- I. **Assessment of Microbial Quality of Local and Packaged Ice Creams**
AKBAŞ P.
Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online), vol.6, pp.138-151, 2023 (Peer-Reviewed Journal)
- II. **Using *Locusta Migratoria* as a Nitrogen Source for the Growth and Development of Microorganisms**
AKBAŞ P., KURBANOĞLU E. B.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.26, no.3, pp.466-473, 2022 (Peer-Reviewed Journal)
- III. **Acırğa/Bayır Turpu (*Armoracia rusticana*/Horseradish) Bitki Kökünün Bazı Gram Negatif ve Gram Pozitif Bakterilere Karşı Etkinliğinin İncelenmesi**
ALKAN H., AKBAŞ P., DURHAN S., ÖZTÜRKLER O.
Caucasian Journal of Science, vol.8, no.1, pp.70-78, 2021 (Peer-Reviewed Journal)
- IV. **Determination the Fatty Acid Composition of the *Rumex patientia* L. Leaves and in vitro Antimicrobial Activity of their Different Extracts**
KAYA E., AKBAŞ P., CEYHAN G., KARABEKMEZ ERDEM T., ALKAN H.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.24, no.2, pp.362-367, 2020 (Peer-Reviewed Journal)
- V. ***Hyoscyamus reticulatus* L. Tohum Ekstraktının Antimikrobiyal ve Apoptotik Etkinliğinin Araştırılması**
AKBAŞ P., USLU H., ATİLA USLU G., ALKAN H.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.24, no.2, pp.317-322, 2020 (Peer-Reviewed Journal)
- VI. **DETERMINATION OF THE CONTENT OF HYOSCYAMUS RETICULATUS SEEDS BY XRF METHOD AND ANTIBACTERIAL CHARACTERISTICS OF ETHYL ALCOHOL EXTRACT**
AKBAŞ P., KAYA E., ALKAN H., CEYHAN G.
Eskişehir Technical University Journal of Science and and Technology A- Applied Sciences and Engineering, vol.21, no.1, pp.199-204, 2020 (Peer-Reviewed Journal)
- VII. ***Trigonella foenum-graecum* l. (çemen) Tohum Ekstraktının Antimikrobiyal Aktivitesinin Tayini**
AKBAŞ P., ATİLA USLU G., USLU H., ALKAN H.
Caucasian Journal of Science, vol.4, no.1, pp.57-61, 2017 (Peer-Reviewed Journal)
- VIII. **Determining Assertiveness Level of Health Services Vocational School Students**
ALKAN H., AKTEMUR GÜRLER S., AKCANCA N., AKBAŞ P.
Journal Of Social Humanities Sciences Research (JSHSR), vol.4, no.5, pp.1149-1155, 2017 (Peer-Reviewed Journal)
- IX. **Anti-microbial and Anti-oxidant Activity of Watermelon (*Citrullus lanatus*) Fruit and Watermelon Seed**
AKBAŞ P., GÜRSOY KOL Ö., GÜRBÜZ A., MANAP S.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.13, no.1, pp.139-147, 2017 (Peer-Reviewed Journal)
- X. **sığır pömonik akciğerlerinden izole edilen *Pseudomonas aeruginosa* suşlarının antibiyotik duyarlılıklarının belirlenmesi**
GÜRBÜZ A., AKBAŞ P.
CAUCASIAN JOURNAL OF SCIENCE, vol.1, no.2, 2014 (Peer-Reviewed Journal)
- XI. **Detection of *Escherichia Coli* O157 H7 from Beef DonerKebabs Sold in Kars**
ULUKANLI Z., AKBAŞ P., TUZCU M.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.19, no.2, pp.99-104, 2006 (Peer-Reviewed Journal)
- XII. **a seven month survey for the detection of *E coli* O157 H7 from ground beef samples in the markets of Turkey**
ELMALI M., ULUKANLI Z., YAMAN H., TUZCU M., GENÇTAV K., AKBAŞ P.
PAKISTAN JOURNAL OF NUTRITION, vol.4, no.3, pp.158-161, 2005 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Uses of Proteses Obtained From Microorganisms in the Food Industry**
AKBAŞ P.
in: Some Novel Applications In The Food Industry, Prof. Dr. Osman KILINÇÇEKER; Assoc. Prof. Dr. Raciye MERAL, Editor, Serüven Yayınevi, Ankara, pp.289-304, 2023
- II. **Bölüm 1 Peganum harmala (Üzerlik) Bitkisinin Antimikrobiyal Aktivitesi**
AKBAŞ P.
in: Fen Bilimleri ve Matematikte Araştırma ve Değerlendirmeler Eylül/ 2021, Prof. Dr. Hasan AKGÜL, Prof. Dr. Murat KÜTÜK, Dr. ÖmerYURDAKUL, Editor, GECE KİTAPLIĞI, Ankara, pp.1-20, 2021

Refereed Congress / Symposium Publications in Proceedings

- I. **POTENTIAL OF PEPTON PRODUCED USING LOCUST (*Locusta migratoria*) TO GENERATE TOTAL AEROBIC MICROORGANISMS IN WATER, MEAT, SOIL AND MILK SAMPLES**
AKBAŞ P., KURBANOĞLU E. B.
ISARC 3. INTERNATIONAL PALANDOKEN SCIENTIFIC STUDIES CONGRES, Erzurum, Turkey, 11 December 2021
- II. **Antibacterial Effect of Tortoiseshell (*Plantago Major*) Leaves**
AKBAŞ P.
IV. INTERNATIONAL ICONTECH SYMPOSIUM ON INNOVATIVE SURVEYS IN POSITIVE SCIENCES, Adana, Turkey, 17 - 18 July 2021, pp.98-104
- III. **Yabanturpu (*Armorica rusticana*) bitkisinin bazı gram negatif ve gram pozitif bakteriler karşı etkinliğinin incelenmesi**
ALKAN H., AKBAŞ P., ŞAHİN M., DURHAN S., ÖZTÜRKLER O.
14. Ulusal Veteriner Mikrobiyoloji Kongresi, Konya, Turkey, 13 - 16 October 2020, pp.117-120
- IV. **Üzerlik otu (*Peganum harmala*) yaprak kısmının etil alkol ekstraktının antibakteriyel etkisi**
AKBAŞ P., ALKAN H., ŞAHİN M., BÜYÜK E.
14. Ulusal Veteriner Mikrobiyoloji Kongresi, Konya, Turkey, 13 - 16 October 2020, pp.113-116
- V. **COMPARISON OF THE ANTIMICROBIAL EFFECTS OF WILD THYME'S (*Thymus vulgaris*) DIFFERENT EXTRACTS**
AKBAŞ P.
UMTEB 6. ULUSLARARASI MESLEKİ VETEKNIK BİLİMLER KONGRESİ, Iğdır, Turkey, 11 - 12 April 2019
- VI. **Investigation of Acidity, Antioxidant and Antimicrobial Properties of *Rheum ribes*, *Asphodelus aestivus* and *Tragopogon reticulatus* Growing in Kars Region**
ALKAN M., ALKAN H., AKBAŞ P., MANAP S.
4th International Turkic World Conference on Chemical Sciences and Technologies (ITWCCST 2018), KIEV, Ukraine, 7 - 10 September 2018, pp.121
- VII. **INVESTIGATION OF ANTIMICROBIAL EFFECT OF DIFFERENT EXTRACTS OF *ARMORACIA RUSTICANA* (HORSE RADISH)**
AKBAŞ P., ALKAN H., ŞAHİN M.
International Conference on Research in Education and Science (ICRES), 28 April - 01 May 2018
- VIII. **DETERMINATION OF THE CONTENT OF *HYOSCYAMUS RETICULATUS* SEEDS BY XRF METHOD**
KAYA E., CEYHAN G., AKBAŞ P., Tımarcıoğlu İ.
International Conference on Research in Education and Science (ICRES), 28 April - 01 May 2018
- IX. **DETERMINATION OF FATTY ACID COMPONENTS OF *RUMEX PATIENTIA* L. LEAFS**
KAYA E., AKBAŞ P., CEYHAN G., KARABEKMEZ ERDEM T.
International Conference on Research in Education and Science (ICRES), 28 April - 01 May 2018
- X. **A STUDY ON THE ANTIBACTERIAL CHARACTERISTICS OF ETHYL ALCOHOL EXTRACTS OF *HYOSCYAMUS RETICULATUS* SEED**
AKBAŞ P., ALKAN H., KAYA E.

International Conference on Research in Education and Science (ICRES), 28 April - 01 May 2018

XI. DETERMINATION OF ANTIMICROBIAL ACTIVITY OF TRIGONELLA FOENUM-GRÆCUM L. SEED EXTRACT

AKBAŞ P., ATİLA G., USLU H., ALKAN H.

ULUSLARARASI TIBBİ VE AROMATİK BİTKİLER KONGRESİ TABİİ VE SAĞLIKLI HAYAT, Konya, Turkey, 9 - 12 May 2017

XII. COMPARISON OF ANTIMICROBIAL EFFICACY OF RUMEX PATIENTIA L. LEAFS DIFFERENT EXTRACTS WITH STANDARD ANTIBIOTICS

AKBAŞ P., ALKAN H., KAYA E.

International Conference on Research in Education and Science (ICRES), KUŞADASI/AYDIN, Turkey, 18 - 21 May 2017

XIII. Determining assertiveness level of health services vocational school students

ALKAN H., AKBAŞ P., AKCANCA N., AKTEMUR GÜRLER S., BIÇAKÇI H.

International Conference on Education in Mathematics, Science and Technology (ICEMST), Aydın, Turkey, 18 - 21 May 2017, pp.31

XIV. DETERMINATION OF FATTY ACID COMPOSITION BY GC-MS IN THE SEEDS OF PALIURUS SPINA CHRISTI MILLER

KAYA E., CEYHAN G., AKBAŞ P.

I. Uluslararası Tıbbi ve Aromatik Bitkiler Kongresi, Konya, Turkey, 9 - 02 May 2017

Supported Projects

Akbaş P., Büyük F., Sezer Ç., Project Supported by Higher Education Institutions, Paketli ve Tüketime Hazır Et Döner Kebaplarında ve Yanındaki Salatalarda Salmonella Etkenlerinin İzolasyonu, İdentifikasyonu ve İzolatların Antimikrobiyal Dirençliliklerinin Fenotipik ve Moleküler Yöntemlerle Belirlenmesi, 2021 - 2023

Akbaş P., Project Supported by Higher Education Institutions, Hyoscyamus reticulatus tohum ekstraktının antimikrobiyal, antioksidan ve nörolojik etkileri: ratlarda deneysel bir çalışma., 2018 - 2019

Scientific Refereeing

INTERNATIONAL JOURNAL OF SECONDARY METABOLITE, Journal Indexed in SCI-E, May 2023

Project Supported by Higher Education Institutions, BAP Research Project, Kahramanmaraş Sutcu Imam University, Turkey, April 2023

Gümüşhane Üniversitesi Fen Bilimleri Dergisi, Other Indexed Journal, April 2022