

Asst. Prof. ARZU ÖZGEN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AIB-1496-2022

ScopusID: 55748785900

Yoksis Researcher ID: 255489

Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), Turkey 2012 - 2015

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), Turkey 2008 - 2011

Undergraduate, Karadeniz Technical University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Turkey 1991 - 1995

Dissertations

Doctorate, Rekombinant böcek iridovirüsünün oluşturulması ve karakterizasyonu, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), 2015

Postgraduate, Serratia marcescens kitinaz B ve C genlerinin ekspresyonu ve Galleria mellonella'xya karşı insektisidal aktivitelerinin belirlenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), 2011

Research Areas

Biochemistry, Life Sciences, Ecology, Microbiology

Academic Titles / Tasks

Assistant Professor, Istanbul Gelisim University, VOCATIONAL SCHOOL OF HEALTH SERVICES, MEDICAL LABORATORY TECHNIQUES, 2016 - Continues

Academic and Administrative Experience

Meslek Yüksekokulu Kurulu Üyesi, Istanbul Gelisim University, VOCATIONAL SCHOOL OF HEALTH SERVICES, MEDICAL LABORATORY TECHNIQUES, 2016 - Continues

Deputy Head of Department, Istanbul Gelisim University, VOCATIONAL SCHOOL OF HEALTH SERVICES, MEDICAL LABORATORY TECHNIQUES, 2016 - Continues

Adaptation/Exemption Committee Member, Istanbul Gelisim University, VOCATIONAL SCHOOL OF HEALTH SERVICES, MEDICAL LABORATORY TECHNIQUES, 2016 - Continues

Tıbbi Laboratuvar Teknikleri Program Başkanı, Istanbul Gelisim University, VOCATIONAL SCHOOL OF HEALTH SERVICES, MEDICAL LABORATORY TECHNIQUES, 2016 - Continues

Head of Department, Istanbul Gelisim University, 2017 - 2023

Courses

GENETİĞİ DEĞİŞTİRİLMİŞ ORGANİZMALAR VE SAĞLIK ETKİLERİ, Postgraduate, 2021 - 2022, 2019 - 2020
KLİNİK BİYOKİMYA, Associate Degree, 2021 - 2022, 2018 - 2019, 2017 - 2018, 2016 - 2017
TIBBİ LABORATUVAR CİHAZLARI, Associate Degree, 2021 - 2022, 2017 - 2018
BİYOLOJİ, Associate Degree, 2021 - 2022
BİYOTEKNOLOJİ, Associate Degree, 2021 - 2022
HEMATOLOJİ, Associate Degree, 2021 - 2022, 2018 - 2019, 2017 - 2018
TIBBİ LABORATUVARDA KALİTE KONTROL SİSTEMLERİ, Associate Degree, 2020 - 2021, 2017 - 2018, 2016 - 2017
BİYOKİMYA, Associate Degree, 2019 - 2020, 2017 - 2018, 2016 - 2017
TEMEL KİMYA, Associate Degree, 2018 - 2019, 2017 - 2018
Laboratuvar Kimyası, Associate Degree, 2016 - 2017
Kimya, Associate Degree, 2016 - 2017
Laboratuvar Cihazları, Associate Degree, 2016 - 2017
Biyoloji, Associate Degree, 2015 - 2016
Özel Sitoteknoloji, Associate Degree, 2015 - 2016
Klinik Biyokimya, Undergraduate, 2015 - 2016

Advising Theses

ARZU Ö., Functional analysis of an iridovirus kinase gene orf 389I, Postgraduate, Ö.FARUK(Student), 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Molecular characteristics and antimicrobial susceptibility profiles of bovine mastitis agents in western Türkiye**
Yalcin S., Özgen A., Simsir M.
Journal of Veterinary Science, vol.25, no.5, 2024 (SCI-Expanded)
- II. **Production and characterization of polyvinyl alcohol films containing essential oil**
Ünlü N., Özgen A., Aksu Canbay C.
Journal of Biomaterials Science, Polymer Edition, vol.35, no.10, pp.1537-1549, 2024 (SCI-Expanded)
- III. **Invertebrate iridoviruses: A glance over the last decade**
İnce İ. A., Özcan O., Ilter-Akulke A. Z., Scully E. D., Özgen A.
Viruses, vol.10, no.4, 2018 (SCI-Expanded)
- IV. **Construction And Characterization Of A Recombinant Invertebrate Iridovirus**
, Özgen A., Nalçacıoğlu R., Demirbağ Z., Muratoğlu H., M Van Oers M., M. Vlak J.
VIRUS RESEARCH, vol.189, pp.286-292, 2014 (SCI-Expanded)
- V. **Molecular characterization of chitinase genes from a local isolate of serratia marcescens and their contribution to the insecticidal activity of bacillus thuringiensis strains**
Ozgen A., SEZEN K., DEMİR İ., DEMİRBAĞ Z., NALÇACIOĞLU R.
Current Microbiology, vol.67, no.4, pp.499-504, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation of Polyvinyl Alcohol (PVA)-Sakacin P Interaction by Molecular Docking Method**
Ünlü N., Özgen A.

İstanbul Gelişim Üniversitesi Sağlık Bilimleri Dergisi, no.22, pp.73-80, 2024 (Peer-Reviewed Journal)

- II. **Yellow Miracle in Burns Treatment: Hypericum perforatum**
Özgen A., Yücel İ.
Medical Journal of Europe, vol.2, no.2, pp.35-40, 2024 (Peer-Reviewed Journal)
- III. **Nature's Gift: Syzygium Aromaticum**
Özgen A., Yücel İ.
Health and Technology Journal, vol.2, no.1, pp.28-33, 2024 (Peer-Reviewed Journal)
- IV. **The Fatty Acid Composition and the MTT-Cytotoxicity Test of Commercially Available Commiphora Gileadensis Balsam Oil**
Özgen A.
Health and Technology Journal, vol.2, no.1, pp.10-16, 2024 (Peer-Reviewed Journal)
- V. **Interactions of AFB2 Aflatoxin and Cinnamycin bacteriocin by Molecular Docking**
ÖZGEN A., ÜNLÜ N., AZARABADI N.
Journal of Materials and Electronic Devices, vol.3, no.1, pp.28-31, 2023 (Peer-Reviewed Journal)
- VI. **Geometric Modelling and Analysis of the Amino Acid: Phenylalanine**
Özgen A., Gürkan Aydın S.
International Journal of Advances in Scientific Research and Engineering, vol.9, no.5, pp.43-47, 2023 (Peer-Reviewed Journal)
- VII. **Molecular Docking Study on Interaction of Polyvinyl Alcohol (PVA) with Group IA Bacteriocin**
ÜNLÜ N., ÖZGEN A., AKSU CANBAY C.
Turkish Journal of Science and Technology, vol.18, no.1, pp.177-182, 2023 (Peer-Reviewed Journal)
- VIII. **Bio-Based Jet Fuel Production by Transesterification of Nettle Seeds**
Gürkan Aydın S., Özgen A.
ENGINEERING TECHNOLOGY & APPLIED SCIENCE RESEARCH, vol.13, no.1, pp.10116-10120, 2023 (Scopus)
- IX. **Moleküler Kenetleme (Docking) Yöntemi ile Bakteriyel Bir Sinyal Kompleksi ve Peonidin Molekülü Etkileşiminin İncelenmesi**
ÖZGEN A., ÜNLÜ N.
FIRAT ÜNİVERSİTESİ FEN BİLİMLERİ DERGİSİ, vol.34, no.2, pp.201-205, 2022 (Peer-Reviewed Journal)
- X. **Analysis of Modern Aviation Fuels: A Review of Environment Effect**
GÜRKAN AYDIN S., POLAT O., ÖZGEN A.
International Research Journal of Multidisciplinary Technovation, vol.3, no.4, pp.93-105, 2021 (Peer-Reviewed Journal)
- XI. **Sustainable Jet Fuel Production: using Pumpkin Seed Oil**
Aydın S. G., Özgen A.
TEM Journal, vol.10, no.2, pp.879-882, 2021 (ESCI)
- XII. **Ultrasonik Destekli Ekstraksiyon (UAE) Yöntemi ile Hazırlanan Kuşburnu Meyvesi Kabuk ve Çekirdek Kısımlarının Antioksidan Aktivitesinin Belirlenmesi**
Özgen A., Tan Erkoç N., Taştan Ö., Pehlevan F.
İstanbul Gelişim Üniversitesi Sağlık Bilimleri Dergisi, vol.2021, no.14, pp.201-212, 2021 (Peer-Reviewed Journal)
- XIII. **Phylogenetic analysis of origanum vulgare and its antioxidant and antimicrobial activity**
Özgen A., Tan Erkoç N., Taştan O. F., Pehlevan F.
Gazi University Journal of Science, vol.34, no.2, pp.311-325, 2021 (Scopus)
- XIV. **Enhancing the antibacterial activity of the biosynthesized silver nanoparticles by "püse"**
ÖZGEN A., GÜRKAN AYDIN S., BİLGİÇ E.
Istanbul Journal of Pharmacy, vol.50, no.3, pp.245-250, 2020 (ESCI)
- XV. **Calculated Optimized Structure and Geometric Analysis of Oxygenated Fuel Additives: Alcohols and Ethers**
GÜRKAN AYDIN S., POLAT O., ÖZGEN A., TURALI E.
ENGINEERING TECHNOLOGY & APPLIED SCIENCE RESEARCH, vol.10, no.3, pp.5632-5636, 2020 (ESCI)
- XVI. **Green synthesized silver nanoparticles: Morphology and antibacterial contact effects**
BİLGİÇ E., GÜRKAN AYDIN S., ÖZGEN A., NİZAMLIOĞLU M.

Medicine Science, vol.8, no.3, pp.541-544, 2019 (Peer-Reviewed Journal)

XVII. Characterization of biosynthesized silver nanoparticles using Hypericum perforatum leaf and determination of their antibacterial activity

ÖZGEN A., BİLGİÇ E., GÜRKAN AYDIN S., NİZAMLIOĞLU M.

Medicine Science, vol.8, no.3, pp.503-507, 2019 (Peer-Reviewed Journal)

Books & Book Chapters

I. MİKROBİYOTA

NİZAMLIOĞLU M., ÖZGEN A.

in: A'dan Z'ye BESLENME, MUSTAFA TAYAR, ARTUN YIBAR, Editor, Dora, Bursa, pp.233-243, 2022

II. MOLECULAR IDENTIFICATION OF ALLIUMSCHOENOPRASUM AND ITS ANTIOXIDANT AND ANTIMICROBIAL ACTIVITY

Özgen A.

in: Current Researches in Science and Mathematics Sciences, Canan Demir, Editor, Ivpe Cetinje, Cetinje, pp.1-11, 2020

III. Aflatoksinler

Özgen A.

in: Güncel Fen Bilimleri Çalışmaları, Semra BENZER, Berrin TOPUZ, Editor, Akademisyen Yayınevi, Ankara, pp.1-8, 2020

IV. Süt Ürünleri ve Probiyotikler

Özgen A., Baba S., Tan Erkoç N., Pehlevan F., Nizamlioğlu M.

in: Türkiye Klinikleri Gıda Hijyeni ve Teknolojisi, Prof. Dr. Mustafa ATASEVER, Editor, Türkiye Klinikleri, İstanbul, pp.139-145, 2019

V. BARSAK MİKROBİYATASI VE İMMUN SİSTEM

Özgen A., Pehlevan F., Tan Erkoç N., Baba S., Nizamlioğlu M.

in: BARSAK MİKROBİYATASI VE PROBİYOTİKLER, PROF. DR. MUSTAFA NİZAMLIOĞLU, Editor, TÜRKİYE KLİNİKLERİ, Ankara, pp.1-13, 2018

Refereed Congress / Symposium Publications in Proceedings

I. Investigation of Polyvinyl Alcohol (PVA)-Sakacin P Interaction by Molecular Docking

ÜNLÜ N., ÖZGEN A.

9 th International Conference on Materials Science and Nanotechnology for Next Generation, Ankara, Turkey, 22 - 24 September 2022, pp.94

II. Molecular Docking Study on Interaction of Polyvinyl Alcohol (PVA) with Group IA Bacteriocin

ÜNLÜ N., ÖZGEN A., AKSU CANBAY C.

9 th International Conference on Materials Science and Nanotechnology for Next Generation, Ankara, Turkey, 22 - 24 September 2022, pp.103

III. Molecular Docking Demonstration of the Interaction of AFB1 Aflatoxin and Lactococcin A

ÖZGEN A., ÜNLÜ N., AKSU CANBAY C.

9th MSNG Scientific Conference (MSNG 2022), Ankara, Turkey, 22 September 2022, pp.102

IV. Study of Interactions of AFB2 Aflatoxin and Class IB Bacteriocins by Molecular Docking

ÖZGEN A., ÜNLÜ N.

9th MSNG Scientific Conference (MSNG 2022), Ankara, Turkey, 22 September 2022, pp.94

V. FIGUS CARİCA KULLANILARAK YEŞİL SENTEZİ GERÇEKLEŞTİRİLMİŞ GÜMÜŞ NANOPARTİKÜLLERİNİN KARAKTERİZASYONU VE ANTİBAKTERİYEL ETKİSİ

GÜRKAN AYDIN S., ÖZGEN A., BİLGİÇ E., NİZAMLIOĞLU M.

ZEUGMA II. ULUSLARARASI MULTİ DİSİPLİNER ÇALIŞMALAR KONGRESİ, Gaziantep, Turkey, 18 - 20 January 2019

- VI. **Hypericum perforatum YAPRAKLARI KULLANILARAK BİYOSENTEZİ GERÇEKLEŞTİRİLEN GÜMÜŞNANOPARTİKÜLLERİNİN KARAKTERİZASYONU VE ANTİBAKTERİYEL AKTİVİTELERİNİN BELİRLENMESİ**
ÖZGEN A., BİLGİÇ E., GÜRKAN AYDIN S., NİZAMLIOĞLU M.
ZEUGMA II. ULUSLARARASI MULTİ DİSİPLİNER ÇALIŞMALARKONGRESİ, Gaziantep, Turkey, 18 - 20 January 2019
- VII. **Functional analysis of non-polyadenylated invertebrate iridovirus mRNAs: The role of a CAUUA-containing hairpin**
İNCE İ. A., KANLIDERE Z., İLTER AKÜLKE A. Z., ÖZGEN A.
International Congress on Invertebrate Pathology and Microbial Control and the 50th Annual Meeting of the Society for Invertebrate Pathology (Golden Jubilee), 13 - 17 August 2017
- VIII. **Improved Insecticidal Activity of Chilo iridescent Virus Expressing an Insect Specific Neurotoxin**
NALÇACIOĞLU R., ÖZGEN A., MURATOĞLU H., DEMİRBAĞ Z., VLAK J. M., VAN OERS M.
XXI International Poxvirus, Asfavirus and Iridovirus Conference, Strasbourg, France, 1 - 05 July 2016
- IX. **Construction And Characterization Of A Recombinant Invertebrate Iridovirus**
ÖZGEN A., DEMİRBAĞ Z., NALÇACIOĞLU R., MURATOĞLU H., VLAK J. M., VAN OERS M.
International Congress on Invertebrate Pathology and Microbial Control, 47th Annual Meeting of the Society for Invertebrate Pathology, 2 - 09 August 2014
- X. **Construction And Characterization Of A Recombinant Chilo Iridescent Virus Expressing Green Fluorescent Protein Reporter Gene**
ÖZGEN A., DEMİRBAĞ Z., NALÇACIOĞLU R., MURATOĞLU H., VLAK J. M., VAN OERS M.
3rd International Molecular Biology and Biotechnology Congress, 2 June - 06 February 2014
- XI. **Characterization of chitinase genes originated from Serratia marcescens and their additive insecticidal activities to Bacillus thuringiensis strains**
ÖZGEN A., SEZEN K., DEMİRBAĞ Z., NALÇACIOĞLU R.
European Biotechnology Congress, 28 September - 01 October 2011

Supported Projects

ÖZGEN A., TATLISU N. B., Project Supported by Higher Education Institutions, 'Mikroalg Türleri Kullanılarak Nanopartikül Biyosentezi ve Üretilen Nanopartiküllerin Antibakteriyel Özelliklerinin Karakterizasyonu/İncelenmesi (BP-221220-MD)', 2021 - Continues

Gürkan S., Özgen A., Project Supported by Higher Education Institutions, "Isırgan Tohumunun Transesterifikasyonu ile Biyolojik Tabanlı Jet Yakıtı Üretimi ", 2020 - 2021

Özgen A., Tan Erkoç N., Pehlevan F., Project Supported by Higher Education Institutions, " Doğu Karadeniz Bölgesi'xxne ait (Sultan Murat Sarıkaya Yaylası) Origanum Vulgare'xxnin Filogenetik Analizi,Antioksidan ve Antibakteriyel Aktivitesinin Belirlenmesi", 2019 - 2019

TUBITAK Project, Bir Böcek Virüsü Olan Chilo iridescent Virüs (CIV)'xxün İnsektisidal Aktivitesinin Hızlandırılması, 2013 - 2016

TUBITAK Project, Amsacta Moorei Entomopoksvirüs Serin/Treonin Protein Kinaz Geninin İşlevsel Ve Regülasyon Analizi, 2010 - 2013

TUBITAK Project, Amv133 Açık Okuma Zincirinin Moleküler Karakterizasyonu ve Amsacta Moori Entomopoksvirüs (Amepv) Replikasyonuna Etkisi, 2009 - 2012

Scientific Refereeing

INTERNATIONAL JOURNAL OF AMBIENT ENERGY, Journal Indexed in ESCI, February 2023

Metrics

Publication: 38

Citation (WoS): 69

Citation (Scopus): 52

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H-Index (Scopus): 2