

Dr. Öğr. Üyesi ÖZKAN FİDAN

Kişisel Bilgiler

İş Telefonu: [+90 352 224 8800](tel:+903522248800) Dahili: 7422

E-posta: ozkan.fidan@agu.edu.tr

Web: <https://avesis.agu.edu.tr/ozkan.fidan>

Uluslararası Araştırmacı ID'leri

ScholarID: KxXw-u0AAAAJ

ORCID: 0000-0001-5312-4742

Publons / Web Of Science ResearcherID: P-3158-2015

ScopusID: 56913299900

Yoksis Araştırmacı ID: 310949

Eğitim Bilgileri

Bütünleşik Doktora, Utah State University, Mühendislik Fakültesi, Biyoloji Mühendisliği, Amerika Birleşik Devletleri 2013 - 2019

Lisans, İzmir Yüksek Teknoloji Enstitüsü, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Türkiye 2005 - 2010

Yabancı Diller

İngilizce, C2 Ustalık

Yaptığı Tezler

Bütünleşik Doktora, Doğal ürün biyosentezi için bakterilerin kapasitesinin araştırılması, Utah State University, Mühendislik Fakültesi, Biyoloji Mühendisliği, 2019

Araştırma Alanları

Metabolik Mühendislik, Endüstriyel Biyoteknoloji, Mikrobiyal Biyoteknoloji, Genetik Mühendisliği, Mikrobiyal Genetik, Biyosentez, Biyotransformasyon, Enzim Kinetiği, Doğal Ürünler Kimyası

Akademik Unvanlar / Görevler

Dr.Öğr.Üyesi, Abdullah Gül Üniversitesi, Yaşam Ve Doğa Bilimleri Fakültesi, Biyomühendislik, 2021 - Devam Ediyor

Akademik İdari Deneyim

Erasmus Koordinatörü, Abdullah Gül Üniversitesi, Yaşam ve Doğa Bilimleri Fakültesi, BİYOMÜHENDİSLİK, 2019 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Can mesenchymal stem/stromal cells and their secretomes combat bacterial persisters?**
Bicer M., FİDAN Ö.
World Journal of Microbiology and Biotechnology, cilt.39, sa.10, 2023 (SCI-Expanded)
- II. **Inhibition of pathologic immunoglobulin E in food allergy by EBF-2 and active compound berberine associated with immunometabolism regulation**
Yang N., Maskey A. R., Srivastava K., Kim M., Wang Z., Musa I., Shi Y., Gong Y., FİDAN Ö., Wang J., et al.
Frontiers in Immunology, cilt.14, 2023 (SCI-Expanded)
- III. **In Silico Analysis of Bacteriocins from Lactic Acid Bacteria Against SARS-CoV-2**
Erol I., Kotil S. E., FİDAN Ö., YETİMAN A. E., Durdagi S., ORTAKCI F.
PROBIOTICS AND ANTIMICROBIAL PROTEINS, cilt.15, sa.1, ss.17-29, 2023 (SCI-Expanded)
- IV. **Discovery of adapalene and dihydrotachysterol as antiviral agents for the Omicron variant of SARS-CoV-2 through computational drug repurposing**
FİDAN Ö., Mujwar S., Kciuk M.
MOLECULAR DIVERSITY, cilt.27, sa.1, ss.463-475, 2023 (SCI-Expanded)
- V. **Berberine-containing natural-medicine with boiled peanut-OIT induces sustained peanut-tolerance associated with distinct microbiota signature**
Srivastava K., Cao M., FİDAN Ö., Shi Y., Yang N., Nowak-Wegrzyn A., Miao M., Zhan J., Sampson H. A., Li X.
Frontiers in Immunology, cilt.14, 2023 (SCI-Expanded)
- VI. **Editorial: Microbial production of medicinally important agents**
Zeng J., Zhan J., Qiao X., FİDAN Ö.
Frontiers in Microbiology, cilt.14, 2023 (SCI-Expanded)
- VII. **In silico evaluation of food-derived carotenoids against SARS-CoV-2 drug targets: Crocin is a promising dietary supplement candidate for COVID-19**
Mujwar S., Sun L., FİDAN Ö.
JOURNAL OF FOOD BIOCHEMISTRY, cilt.46, sa.9, 2022 (SCI-Expanded)
- VIII. **Biosynthesis of Novel Naphthoquinone Derivatives in the Commonly-used Chassis Cells Saccharomyces cerevisiae and Escherichia coli**
Wu W., Wang S., Zhang H., Guo W., Lu H., Xu H., Zhan R., FİDAN Ö., Sun L.
Applied Biochemistry and Microbiology, cilt.57, 2021 (SCI-Expanded)
- IX. **Discovery and engineering of an endophytic Pseudomonas strain from Taxus chinensis for efficient production of zeaxanthin diglucosided**
Fidan Ö., Zhan J.
JOURNAL OF BIOLOGICAL ENGINEERING, cilt.13, sa.1, 2019 (SCI-Expanded)
- X. **Improved production of antifungal angucycline Sch47554 by manipulating three regulatory genes in Streptomyces sp. SCC-2136**
Fidan Ö., Yan R., Zhu D., Zhan J.
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, cilt.66, sa.4, ss.517-526, 2019 (SCI-Expanded)
- XI. **Identification of new glutamate decarboxylases from Streptomyces for efficient production of -aminobutyric acid in engineered Escherichia coli**
Yuan H., Wang H., Fidan Ö., Qin Y., Xiao G., Zhan J.
JOURNAL OF BIOLOGICAL ENGINEERING, cilt.13, 2019 (SCI-Expanded)
- XII. **New Insights into the Glycosylation Steps in the Biosynthesis of Sch47554 and Sch47555**
Fidan Ö., Yan R., Gladstone G., Zhou T., Zhu D., Zhan J.
CHEMBIOCHEM, cilt.19, sa.13, ss.1424-1432, 2018 (SCI-Expanded)
- XIII. **Recent advances in engineering yeast for pharmaceutical protein production**
Fidan Ö., Zhan J.
RSC ADVANCES, cilt.5, sa.105, ss.86665-86674, 2015 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **In silico Evaluation of the Potential of Natural Products from Chili Pepper as Antiviral Agents Against Dna-Directed Rna Polymerase of the Monkeypox Virus**
Fidan O., MUJWAR S.
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, cilt.13, sa.1, ss.277-291, 2024 (Hakemli Dergi)
- II. **Investigation of Antiviral Potential of Food Carotenoids and Apocarotenoids against RNA-dependent RNA Polymerase of Hepatitis C Virus**
Fidan O.
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, cilt.11, sa.3, ss.931-942, 2022 (Hakemli Dergi)
- III. **Engineered production of bioactive natural products from medicinal plants**
FİDAN Ö., Ren J., Zhan J.
WORLD JOURNAL OF TRADITIONAL CHINESE MEDICINE, cilt.8, sa.1, ss.59-76, 2022 (ESCI)

Kitap & Kitap Bölümleri

- I. **Reconstitution of Medicinally Important Plant Natural Products in Microorganisms**
FİDAN Ö., Zhan J.
Molecular Pharming: Applications, Challenges, and Emerging Areas, Kermode Allison R., Jiang Liwen, Editör, John Wiley Sons, Inc., Hoboken, NJ, ss.383-415, 2019

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Berberine-containing Natural Medicine Confers Sustained Peanut Tolerance Associated with Distinct Microbiota Signature**
FİDAN Ö., Zhan J.
Annual Meeting of the American Academy of Allergy Asthma and Immunology, Philadelphia, Amerika Birleşik Devletleri, 13 - 16 Mart 2020
- II. **The Roles of Three Regulatory Proteins in the Biosynthesis of Angucyclines Sch47554 and Sch47555**
FİDAN Ö., Zhan J.
Institute of Biological Engineering (IBE) Annual Conference, 5 - 07 Nisan 2018
- III. **Isolation of an endophytic carotenoid-producing Pseudomonas strain and functional analysis of the carotenoid biosynthetic genes**
FİDAN Ö., Zhan J.
Institute of Biological Engineering (IBE) Annual Conference, 5 - 07 Nisan 2018
- IV. **Functional characterization of three glycosyltransferases involved in the biosynthesis of Sch47554 and Sch47555**
FİDAN Ö., Yan R., Zhan J.
Institute of Biological Engineering (IBE) Annual Conference, 30 Mart - 01 Nisan 2017
- V. **Vapor phase deposition of alkyl- and fluoro-silanes on nanoporous glass**
FİDAN Ö., Britt D.
ACS 2014 Colloid Surface Science Symposium, 22 - 25 Haziran 2014

Bilimsel Hakemlikler

Journal of Basic and Clinical Health Sciences, Hakemli Bilimsel Dergi, Kasım 2023
BMC Microbiology, SCI-E Kapsamındaki Dergi, Kasım 2023
JOURNAL OF BIOSCIENCE AND BIOENGINEERING, SCI-E Kapsamındaki Dergi, Eylül 2023
Acta Virologica, SCI-E Kapsamındaki Dergi, Temmuz 2023
BMC Genomics, SCI-E Kapsamındaki Dergi, Nisan 2023

Catalysis Science & Technology, SCI-E Kapsamındaki Dergi, Nisan 2023
Frontiers in Microbiology, SCI-E Kapsamındaki Dergi, Mart 2023
Current Protein & Peptide Science, Diğer İndekslerce Taranan Dergi, Ocak 2023
ACTA VIROLOGICA, SCI-E Kapsamındaki Dergi, Ağustos 2022
Biotechnology And Applied Biochemistry, SCI-E Kapsamındaki Dergi, Ocak 2021

Metrikler

Yayın: 25
Atf (WoS): 60
Atf (Scopus): 133
H-İndeks (WoS): 5
H-İndeks (Scopus): 7

Ödüller

Fidan Ö., Outstanding Engineering Graduate Scholar of 2018, Utah State University, Şubat 2019