

Assoc. Prof. Murat ÖZDAL

Personal Information

Office Phone: [+90 0442 231 1648](tel:+9004422311648)

Email: mozdal@atauni.edu.tr

Web: <https://avesis.atauni.edu.tr/mozdal>

Address: Atatürk Üniversitesi Fen Fakültesi Biyoloji Bölümü



International Researcher IDs

ScholarID: L02mIX4AAAAJ

ORCID: 0000-0001-8800-1128

ScopusID: 35488767800

Yoksis Researcher ID: 192582

Education Information

Doctorate, Ataturk University, Fen Bilimleri, Biyoloji, Turkey 2009 - 2014

Certificates, Courses and Trainings

Vocational Training, FEMS Microbiology Ecology on Approaches, Methods and Challenges in Microbiome Research, Federation of European Microbiological Societies, 2021

Education Management and Planning, Lisansüstü Akademik Danışmanlık Eğitimi, TÜBİTAK BİDEB 2237-A programı Kapsamında Atatürk Üniversitesi , 2021

Vocational Training, Biofilms: What are they and why do we care? , Global Antibiotic Research and Development Partnership, 2021

New Product Development, FEMS Yeast Research Webinar on Yeast Lipids, Federation of European Microbiological Societies, 2021

New Product Development, New clinical trial designs for evaluation of antimicrobial agents, Global Antibiotic Research and Development Partnership, 2021

Innovative Product Design, Essential Elements of a Contamination Control Strategy, Reading Scientific Services Ltd, 2021

Other, FEMS Microbiology Ecology Webinar on Sustainable Agriculture, Federation of European Microbiological Societies, 2021

Innovative Product Design, Nature Nano Talks - Nanotechnology and global health, Springer Nature, Nature Nanotechnology, 2021

New Product Development, FEMS Microbiology Reviews Webinar on Acetogenic Organisms, Federation of European Microbiological Societies, 2021

Innovative Product Design, FEMS Microbiology Ecology Webinar on Microbes vs. Metals , Federation of European Microbiological Societies, 2021

New Product Development, FEMS Webinar on Vaccines in the Time of COVID-19, Federation of European Microbiological Societies, 2021

Environment and Sustainability, FEMS Microbiology Ecology Webinar on Microbial Ecotoxicology , Federation of European Microbiological Societies, 2021

Dissertations

DISSERTATIONS

Doctorate, ASPERGİLLUS niger EB-12 SUŞU TARAFINDAN TAVUK TÜYÜ VE MELAS ATIKLARI KULLANILARAK SİTRİK ASİT ÜRETİMİ ÜZERİNE ÇALIŞMALAR, Atatürk Üniversitesi, Fen Fakültesi, Biyoloji/Genel Biyoloji, 2014

Research Areas

Life Sciences, Biotechnology, Industrial Biotechnology, Microbial Biotechnology, Microbiology, Natural Sciences

Academic Titles / Tasks

Associate Professor, Ataturk University, Fen Fakültesi, Biyoloji, 2020 - Continues

Lecturer PhD, Ataturk University, Fen Fakültesi, Biyoloji, 2017 - 2020

Expert, Ataturk University, İspir Hamza Polat Meslek Yüksekokulu, Gıda İşleme, 2009 - 2016

Academic and Administrative Experience

Performans Değerlendirme Komisyonu Üyesi, Ataturk University, Fen Fakültesi, Biyoloji, 2020 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Ataturk University, Fen Fakültesi, Biyoloji, 2020 - Continues

Courses

Mikrobiyal Biyofilmler, Doctorate, 2023 - 2024, 2022 - 2023

Bitirme Tezi, Undergraduate, 2023 - 2024

Bakteriyoloji, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Biyoteknoloji Laboratuvarı, Undergraduate, 2023 - 2024

MİKROBİAL EKOLOJİ, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Mikrobiyota, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Biyoteknoloji, Undergraduate, 2023 - 2024

Viroloji, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Tohumuz Bitkiler Laboratuvarı, Undergraduate, 2022 - 2023

Çevre Sağlığı, Undergraduate, 2022 - 2023

Endüstriyel Mikrobiyoloji, Undergraduate, 2021 - 2022, 2020 - 2021

Genel Botanik, Associate Degree, 2016 - 2017

Advising Theses

Gürkök S., Özdal M., PATATES KABUKLARINDAN İZOLE EDİLEN PRIESTIA MEGATERIUM SFA İLE AMİLAZ ÜRETİMİNİN İSTATİSTİKSEL OPTİMİZASYONU, AMİLAZIN KARAKTERİZASYONU VE DETERJAN ENDÜSTRİSİ İLE NANOPARTİKÜL SENTEZİNDE POTANSİYEL UYGULAMALARI, Postgraduate, F.AKBAŞ(Student), 2024

Özdal M., Scolecobasidium musae fungusdan melanin üretiminin optimizasyonu ve UV koruyucu film üretimi, Postgraduate, F.MERYEM(Student), 2023

Jury Memberships

Doctorate, Doctorate, Atatürk Üniversitesi, December, 2023

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, November, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, November,

2023

Post Graduate, Post Graduate, Atatürk Üniversitesi, July, 2023

Doctorate, Doctorate, Atatürk Üniversitesi, June, 2023

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, June, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, February, 2023

Post Graduate, Post Graduate, Atatürk Üniversitesi, January, 2023

Post Graduate, Post Graduate, Atatürk Üniversitesi, December, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, December, 2022

Post Graduate, Post Graduate, Atatürk Üniversitesi, September, 2022

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, May, 2022

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, May, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, January, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, January, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, August, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, July, 2021

Academic Staff Examination, Academic Staff Examination, Atatürk Üniversitesi, December, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, October, 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Surface activation of Si-based Schottky diodes by bacterial biosynthesized AgInSe₂ trimetallic alloy nanoparticles with evidenced negative capacitance and enhanced electro-dielectric performance**
Çakıcı T., Ajjaq A., Çağırtekin A. O., Özdal M., Barin Ö., Acar S.
APPLIED SURFACE SCIENCE, vol.631, pp.157522-157544, 2023 (SCI-Expanded)
- II. **Editorial: Biosurfactants: From renewable resources to innovative applications**
ÖZDAL M., Janek T., Satpute S. K.
FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, vol.10, 2022 (SCI-Expanded)
- III. **Purification and characterization of a novel extracellular, alkaline, thermoactive, and detergent-compatible lipase from *Aeromonas caviae* LipT51 for application in detergent industry.**
Gurkok S., Ozdal M.
Protein expression and purification, vol.180, pp.105819, 2021 (SCI-Expanded)
- IV. **Syntheses and antibacterial activities of 4 linear nonphenolic diarylheptanoids**
Demir Ş. B., Seçinti H., Çelebioğlu N., Özdal M., Sezen A., Gülmez Ö., Algur Ö. F., Seçen H.
TURKISH JOURNAL OF CHEMISTRY, vol.44, no.3, pp.589-601, 2020 (SCI-Expanded)
- V. **ZnSe and CuSe NP's by microbial green synthesis method and comparison of I-V characteristics of Au/ZnSe/p-Si/Al and Au/CuSe/p-Si/Al structures**
Çakıcı T., Özdal M., Kundakçı M., Kayalı R.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.103, 2019 (SCI-Expanded)
- VI. **A new strategy for the efficient production of pyocyanin, a versatile pigment, in *Pseudomonas aeruginosa* OG1 via toluene addition**
ÖZDAL M.
3 BIOTECH, vol.9, no.10, 2019 (SCI-Expanded)
- VII. **Citric Acid Production by *Aspergillus niger* from Agro-Industrial By-Products: Molasses and Chicken Feather Peptone**

Özdal M., Kurbanoglu E. B.

WASTE AND BIOMASS VALORIZATION, vol.10, pp.631-640, 2019 (SCI-Expanded)

VIII. **Isolation of cold tolerant and ACC Deaminase producing Plant Growth Promoting Rhizobacteria from High Altitudes**

Kadioglu G., Koseoglu M., Özdal M., Sezen A., Ozdal O. G., Algur Ö. F.

ROMANIAN BIOTECHNOLOGICAL LETTERS, vol.23, pp.13479-13486, 2018 (SCI-Expanded)

IX. **Biodegradation of α -endosulfan via hydrolysis pathway by *Stenotrophomonas maltophilia* OG2.**

Ozdal M., OZDAL O., Algur O., Kurbanoglu E. B.

3 Biotech, vol.7, pp.113, 2017 (SCI-Expanded)

X. **Optimization of rhamnolipid production by *Pseudomonas aeruginosa* OG1 using waste frying oil and chicken feather peptone.**

Ozdal M., Gurkok S., Ozdal O.

3 Biotech, vol.7, pp.117, 2017 (SCI-Expanded)

XI. **Continuous production of indole-3-acetic acid by immobilized cells of *Arthrobacter agilis***

ÖZDAL M., OZDAL O. G., SEZEN A., ALGUR Ö. F., KURBANOĞLU E. B.

3 BIOTECH, vol.7, 2017 (SCI-Expanded)

XII. **Isolation and Characterization of alpha-Endosulfan Degrading Bacteria from the Microflora of Cockroaches**

ÖZDAL M., Ozdal O. G., ALGUR Ö. F.

POLISH JOURNAL OF MICROBIOLOGY, vol.65, no.1, pp.63-68, 2016 (SCI-Expanded)

XIII. **Enhanced production of prodigiosin by *Serratia marcescens* MO-1 using ram horn peptone.**

Kurbanoglu E. B., Ozdal M., OZDAL O., Algur O.

Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology], vol.46, pp.631-7, 2015 (SCI-Expanded)

XIV. **Biodegradation of the synthetic pyrethroid insecticide alpha-cypermethrin by *Stenotrophomonas maltophilia* OG2**

GUR O., ÖZDAL M., ALGUR Ö. F.

TURKISH JOURNAL OF BIOLOGY, vol.38, no.5, pp.684-689, 2014 (SCI-Expanded)

XV. **Single-cell protein as an alternative food for zebrafish, *Danio rerio*: a toxicological assessment**

ŞİŞMAN T., GUR O., DOĞAN N., ÖZDAL M., ALGUR Ö. F., ERGON T.

TOXICOLOGY AND INDUSTRIAL HEALTH, vol.29, no.9, pp.792-799, 2013 (SCI-Expanded)

XVI. **Characterization, antifungal activity, and cell immobilization of a chitinase from *Serratia marcescens* MO-1**

OKAY S., ÖZDAL M., KURBANOĞLU E. B.

TURKISH JOURNAL OF BIOLOGY, vol.37, no.6, pp.639-644, 2013 (SCI-Expanded)

Articles Published in Other Journals

I. **Purification and characterization of glutaminase and urease-free L-asparaginase from *Bacillus atrophaeus* with acrylamide reduction potential**

Özdal M., Gülmez Ö., Gökçe E., Algur Ö. F.

INTERNATIONAL JOURNAL OF BIOLOGY AND CHEMISTRY, vol.17, no.1, pp.13-22, 2024 (ESCI)

II. **Increasing the yield of rhamnolipid produced by *Pseudomonas aeruginosa* by using toluene**

Yarli H. N., ÖZDAL M.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, no.6, pp.1287-1291, 2023 (ESCI)

III. **Antimicrobial, Antibiofilm and Antiurease Activities of Microbially Synthesized Silver Nanoparticles against *Proteus mirabilis***

Gurkok S., Ozdal M.

Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.28, no.2, pp.359-369, 2023 (Peer-Reviewed Journal)

- IV. **Determination of Antibacterial and Antibiofilm Activities for Laurel (*Laurus nobilis* L.) Essential Oil Against the Fish Pathogen *Pseudomonas* Species**
BEKTAŞ S., ÖZDAL M., GÜRKÖK S.
Kastamonu University, vol.9, no.1, pp.25-33, 2023 (Peer-Reviewed Journal)
- V. **Antibiofilm activities and in vitro susceptibility testing of eucalyptus (*Eucalyptus camaldulensis*) essential oil (EO) against fish pathogen *Pseudomonas* species**
Bektaş S., Özdal M., Gürkök S.
The Trout Journal of Atatürk University, vol.1, no.1, pp.8-14, 2023 (Peer-Reviewed Journal)
- VI. **Antimicrobial Activity of Eucalyptus (*Eucalyptus camaldulensis*) Essential Oil Against Fish Pathogen Bacterium, *Aeromonas caviae***
Bektaş S., Özdal M.
MARINE SCIENCE AND TECHNOLOGY BULLETIN, vol.11, no.4, pp.467-474, 2022 (Peer-Reviewed Journal)
- VII. **Effect of toluene addition on pyocyanin production in the presence of different carbon sources**
GÜRKÖK S., ÖZDAL M.
Anatolian Journal of Biology, vol.3, no.1, pp.25-27, 2022 (Peer-Reviewed Journal)
- VIII. **Recent advances in nanoparticles as antibacterial agent**
ÖZDAL M., GÜRKÖK S.
ADMET AND DMPK, vol.10, no.2, pp.115-129, 2022 (ESCI)
- IX. **Microbial Biosurfactants: Properties, Types, and Production**
GÜRKÖK S., ÖZDAL M.
Anatolian Journal of Biology, vol.2, no.2, pp.2-7, 2021 (Peer-Reviewed Journal)
- X. **Determination of Chemical Constituents and Bioactive Properties of Alcohol Extracts of *Pleurotus sajor-caju* and *Pleurotus ostreatus***
GÜLMEZ Ö., ÖZDAL M., ALGUR Ö. F., YILMAZ B.
Iğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.3, pp.1734-1741, 2021 (Peer-Reviewed Journal)
- XI. **Effect of Vinegars on *Aggregatibacter actinomycetemcomitans* and *Prevotella intermedia* In vitro**
YAVUZ M. C., DAĞLIOĞLU Y., ÖZDAL M.
Kocaeli Üniversitesi Sağlık Bilimleri Dergisi, vol.7, no.1, pp.83-86, 2021 (Peer-Reviewed Journal)
- XII. **Determination of the protective effects of fungus species belonging to the genus *Pleurotus* against the longevity toxicity of guaiazulene in *Drosophila melanogaster* (Oregon R)**
Uysal H., Çelik H., Kızılet H., Yılmaz B., Özdal M., Gülmez Ö.
Drosophila Information Service, vol.103, no.1, pp.1-9, 2020 (Peer-Reviewed Journal)
- XIII. **Determination of the protective effects of fungus species belonging to the genus *Pleurotus* against the longevity toxicity of guaiazulene in *Drosophila melanogaster* (Oregon R).**
Uysal H., Çelik H., Kızılet H., Yılmaz B., Özdal M., Gülmez Ö.
Dros. Inf. Serv., vol.103, no.1, pp.1-8, 2020 (Peer-Reviewed Journal)
- XIV. **Enhancement of pyocyanin production by *Pseudomonas aeruginosa* via the addition of n-hexane as an oxygen vector**
Özdal M., Gürkök S., Ozdal O. G., Kurbanoglu E. B.
Biocatalysis and Agricultural Biotechnology, vol.22, 2019 (ESCI)
- XV. **ANTIBACTERIAL AND ANTIOXIDANT ACTIVITY OF MYCELIALEXTRACTS OF DIFFERENT PLEUROTUS SPECIES**
Özdal M., Gülmez Ö., Gür Özdal Ö., Algur Ö. F.
Food and Health, vol.5, pp.12-18, 2019 (Peer-Reviewed Journal)
- XVI. **Use of Chicken Feather Peptone and Sugar Beet Molasses as Low Cost Substrates for Xanthan Production by *Xanthomonas campestris* MO-03**
Özdal M., Kurbanoglu E. B.
FERMENTATION-BASEL, vol.5, 2019 (ESCI)
- XVII. **Valorisation of chicken feathers for xanthan gum production using *Xanthomonas campestris* MO-03**
Özdal M., Kurbanoglu E. B.

- Journal of Genetic Engineering and Biotechnology, vol.16, pp.259-263, 2018 (Scopus)
- XVIII. **Sıvı Kültürde *Lepista nuda* Tarafından Üretilen Ekzopolisakkaritin Antioksidan Aktivitesi**
ÖZDAL M.
Journal of Molecular Biology and Biotechnology, vol.2, pp.24-27, 2018 (Peer-Reviewed Journal)
- XIX. **Sıvı Kültürde *Lepista Nuda* Tarafından Miselyal Biyokütle ve Ekzopolisakkarit Üretimi İçin Karbon ve Azot Kaynaklarının Belirlenmesi**
ÖZDAL M.
Turkish Journal of Agriculture - Food Science and Technology, vol.6, pp.581, 2018 (Peer-Reviewed Journal)
- XX. **Toxicological evaluation of submerged liquid culture from *Phanerochaetechrysosporium mycelium* on human blood cells: cytotoxicity, genotoxicity and oxidative damage**
GEYİKOĞLU F., Çeriğ s., ÖZDAL M., KOÇ K., ALGUR Ö. F., YILDIZ DENİZ G., GÜLMEZ ö.
International journal of secondary metabolite, 2017 (Peer-Reviewed Journal)
- XXI. **Biosynthesis Of Indole-3-Acetic Acid By *Bacillus cereus* Immobilized Cells**
ÖZDAL M., Gür Özdal Ö., Sezen A., ALGUR Ö. F.
Cumhuriyet Science Journal, vol.37, no.3, pp.212-222, 2016 (Peer-Reviewed Journal)
- XXII. **Biosynthesis Of Indole-3-Acetic Acid By *Bacillus cereus* Immobilized Cells**
ÖZDAL M., Gür Özdal Ö., Sezen A., ALGUR Ö. F.
Cumhuriyet Science Journal, vol.37, no.3, pp.212-222, 2016 (Peer-Reviewed Journal)
- XXIII. **Isolation and Characterization of Plant Growth Promoting Rhizobacteria (PGPR) and Their Effects on Improving Growth of Wheat**
SEZEN A., ÖZDAL M., KOÇ K., ALGUR Ö. F.
Journal of Applied Biological Sciences, vol.10, pp.41-46, 2016 (Peer-Reviewed Journal)
- XXIV. **Böcek Mikroflorasından Endosülfanı Parçalayabilen Bakterilerin İzolasyonu ve Tanısı**
Gür Özdal Ö., ÖZDAL M., ALGUR Ö. F., SEZEN A.
Türk Tarım - Gıda Bilim ve Teknoloji Dergisi, vol.4, pp.248-254, 2016 (Peer-Reviewed Journal)
- XXV. **Isolation and identification of Endosulfan degrading bacteria from insect microflora**
Gür Özdal Ö., ÖZDAL M., ALGUR Ö. F., SEZEN A.
TURKİS JOURNAL OF AGRICULTURE-FOOD SCIENCE AND TECHNOLOGY, vol.4, pp.248-254, 2016 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **BIOTECHNOLOGY IN ACTION: UNVEILING NATURE'S POTENTIAL**
Özdal M. (Editor), Gürkök S. (Editor)
Efe Akademik Publishing, İstanbul, 2023
- II. **Applications of Microbial Biosurfactants in Detergents**
ÖZDAL M., GÜRKÖK S., YILDIRIM V.
in: Multifunctional Microbial Biosurfactants, Pankaj Kumar, Ramesh Chandra Dubey, Editor, Springer, Basel, pp.363-381, 2023
- III. **Microbial Pigments in Biotechnology**
GÜRKÖK S., ÖZDAL M.
in: Biotechnology in Action: Unveiling Nature's Potential, Ozdal, M., Gurkok, S., Editor, Efe Academy Publishing, İstanbul, pp.7-26, 2023
- IV. **Screening Methods for Biosurfactant-Producing Microorganisms**
GÜRKÖK S., ÖZDAL M.
in: Multifunctional Microbial Biosurfactants, Pankaj Kumar, Ramesh Chandra Dubey, Editor, Springer Cham., Basel, pp.1-24, 2023
- V. **Biological Applications of Microbial Nanoparticles**
GÜRKÖK S., ÖZDAL M.
in: The Trends In Nano Materials Synthesis And Applications 2, Tuba Çakıcı, Editor, Efe Academy Publishing,

İstanbul, pp.197-208, 2023

- VI. **Application of Microbial Nanoparticles in Various Fields (Environmental, Textile, Energy, Food, and Agriculture)**
ÖZDAL M., GÜRKÖK S.
in: The Trends In Nano Materials Synthesis And Applications 2, Tuba Çakıcı, Editor, Efe Academy Publishing, İstanbul, pp.209-224, 2023
- VII. **BIOSURFACTANTS: FROM RENEWABLE RESOURCES TO INNOVATIVE APPLICATIONS**
Özdal M. (Editor), Janek T. (Editor), K Satpute S. (Editor)
Frontiers , Lausanne, 2022
- VIII. **MECHANISMS OF NANOPARTICLES BIOSYNTHESIS BY MICROORGANISMS**
Özdal M., Gürkök S.
in: THE TRENDS IN NANO MATERIALS SYNTHESIS AND APPLICATIONS, Tuğba Çakıcı, Editor, Efe Akademi, İstanbul, pp.81-97, 2022
- IX. **BÖCEKLERİN KONTROLÜ İÇİN MİKROBİYAL BİYOPESTİSİTLER**
Narmanlıoğlu H. K., Özdal M.
in: GELİŞMEKTE OLAN ÜLKELER İÇİN SÜRDÜRÜLEBİLİR TARIM, Zeynep DUMLU GÜLL, Editor, İksad Yayınevi, Ankara, pp.183-212, 2022
- X. **MECHANISMS OF NANOPARTICLES BIOSYNTHESIS BY MICROORGANISMS**
ÖZDAL M., GÜRKÖK S.
in: The Trends In Nano Materials Synthesis And Applications, Tuba ÇAKICI, Editor, Efe Academy Publishing, İstanbul, pp.81-97, 2022
- XI. **BAKTERİYEL PİGMENTLERİN ÜRETİMİ VE FARMAKOLOJİK KULLANIM ALANLARI**
ÖZDAL M.
in: Fen Bilimleri ve Matematik Alanında Yeni Ufuklar, Prof. Dr. Hüsnüye Aka Sağlık Dr. Öğr. Gör. Abdurrahman Günday, Editor, Gece Kitaplığı, Ankara, pp.113-140, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **Isolation and Identification of Amylase-Producing Strain**
Gürkök S., Akbaş F., Özdal M.
7th International Conference on Advances in Natural and Applied Sciences (ICANAS 2024), Antalya, Turkey, 17 April 2024, pp.162-167
- II. **ANTIBIOTIC RESISTANCE PROFILES OF LAUREL (LAURUS NOBILIS L.) ESSENTIAL OIL AGAINST FISH PATHOGEN AEROMONAS CAVIAE**
Bektaş S., Özdal M.
9th International Baskent Congress on Life, Engineering, and Applied Sciences, Ankara, Turkey, 20 - 23 May 2023, pp.160-165
- III. **Antimicrobial, antibiofilm and antiurease activities of silver nanoparticles against Proteus mirabilis**
GÜRKÖK S., ÖZDAL M.
6th International Conference on Advances in Natural and Applied Sciences, Ağrı, Turkey, 11 - 13 October 2022
- IV. **Bacterial synthesis of complex GO: Ag nanoparticles and their use as a thin film on p-Si**
ÇAKICI T., ÖZDAL M., Yıldız F.
World Congress on Applied Nanotechnology (W-CAN2021), Turkey, 24 November 2021
- V. **ECOFRIENDLY SYNTHESIS AND INSECTICIDAL APPLICATION OF SILVER NANOPARTICLES AGAINST THE PEST APHIS POMI**
Narmanlıoğlu H. K., Özdal M.
1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021), Erzurum, Turkey, 10 - 12 September 2021, pp.34
- VI. **Production of zinc selenide nanoparticles (ZnSe-NPs) via microbial green synthesis and their antibacterial activities**

GÜRKÖK S., ÖZDAL M.

World Congress on Applied Nanotechnology, Erzurum, Turkey, 24 - 26 November 2021

- VII. **Bacterial Synthesis and Characterization of Metals, Chalcogenite and Chalcopyrite Nanoparticles**
Çakıcı T., Özdal M.
1st INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN FUNDAMENTAL AND APPLIED SCIENCES, Erzurum, Turkey, 10 - 12 September 2021, pp.136
- VIII. **GLUTAMINASE AND UREASE-FREE ANTITUMOR EFFECTIVE L-ASPARAGINASE-PRODUCING MICROORGANISMS ISOLATION**
Özdal M., Gülmez Ö., Gökçe E.
1st International Congress On Natural Sciences (ICNAS-2021), Erzurum, Turkey, 10 September - 12 November 2021, pp.260-264
- IX. **INVESTIGATION OF BACTERIAL SYNTHESIZED COMPLEX CuZnSe NANOPARTICLES AND FABRICATION OF CuZnSe THIN FILM**
ÇAKICI T., ÖZDAL M., Kundakçı M.
International Natural Science, Engineering and Material Technologies Conference, İstanbul, Turkey, 9 - 10 September 2019, pp.517-524
- X. **Complex Go: Cu: In Nanoparticles Synthesed by Bacteria and Fabrication of GO:Cu:In / P-Si Structure**
ÇAKICI T., ÖZDAL M., Kundakçı M.
International Natural Science, Engineering and Materials Technology Conference, İstanbul, Turkey, 9 - 10 September 2019, pp.507-516
- XI. **Biosynthesis of Copper Selenide Nanoparticles (CuSe-NPs) Via Bacteria and Their Use in Thin Film Formation**
ÇAKICI T., ÖZDAL M., Kundakçı M.
MAS EUROPEAN INTERNATIONAL CONGRESS, 2 - 05 May 2019, pp.1015-1021
- XII. **Fabrication of Microbial Synthesized ZnSe-Nps as Thin Films and ZnSe/P-Si Device Application**
ÇAKICI T., ÖZDAL M., Kundakçı M.
MAS EUROPEAN INTERNATIONAL CONGRESS, 2 - 05 May 2019, pp.1022-1029
- XIII. **Biosynthesis of Complex Nanoparticles MgSe andFabrication of MgSe thin Film as an Interlayer forAu/MgSe/p-Si Structure**
ÇAKICI T., ÖZDAL M., KÜÇÜKGÖZ F., Kundakçı M.
4th INTERNATIONAL CONFERENCE ONADVANCES INNATURAL APPLIED SCIENCES, Ağrı, Turkey, 19 - 22 June 2019, pp.200-210
- XIV. **Isolation and Identification of Lipase Producing Bacteria in Erzurum Province**
GÜRKÖK S., ÖZDAL M.
International Conference on Advances in Natural & Applied Science, Ağrı, Turkey, 19 - 22 June 2019, pp.165
- XV. **Boynuz veya Tüeyden Oluşan Hayvansal Atıklardan Keratin Ve Pepton Üretim Metodu**
KURBANOĞLU E. B., ÖZDAL M.
ÜSİMP Ulusal Patent Fuarı ve Kongresi, İstanbul, Turkey, 14 - 15 November 2018
- XVI. **Biosynthesis of Go: Se Nanoparticles Using as Thin Films and Go: Se /P-Si Device Application**
ÇAKICI T., ÖZDAL M., Kundakçı M.
3. International Conference on Organic Electronic Material Technologies, Kırklareli, Turkey, 20 - 22 September 2018, pp.10-18
- XVII. **Green Bio-Chemistry Approach for Fabrication of Go:Cu/P-Si Device Application**
ÇAKICI T., ÖZDAL M., Kundakçı M.
3. International Conference on Organic Electronic Material Technologies, Kırklareli, Turkey, 20 - 22 September 2018
- XVIII. **Biosynthesis of GO:SE Nanoparticles Using as Thin Films and Fabrication of Ag/GO:Se/P-Si Device Structure**
ÇAKICI T., ÖZDAL M., Kundakçı M.
2nd International Congress on Semiconductor Materials and Devices, Ardahan, Turkey, 28 - 30 August 2018, pp.237-246

- XIX. **Microbial Green Synthesis ZnSe and CuSe NP's and Comparison of IV Characteristics' ZnSe/p-Si and CuSe/p-Si structures**
ÇAKICI T., ÖZDAL M., Kundakçı M.
2nd International Congress on Semiconductor materials and Devices, Ardahan, Turkey, 21 - 30 August 2018, pp.247-256
- XX. **Investigation of Bacterial Synthesized CuSe-NPs as Thin Film and CuSe/p-Si Device Application**
ÇAKICI T., ÖZDAL M., KUNDAKÇI M.
34th International Physics Conference of Turkish Physical Society (TFD34), 5 - 09 September 2018
- XXI. **Investigation of Bacterial Synthesized CuSe-NPs as thin Film and CuSe/P-Si Devive Aplication**
ÇAKICI T., ÖZDAL M., SARITAŞ S., Kundakçı M.
Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 5 - 09 September 2018, pp.171
- XXII. **Microbial Synthesized GO:Se-NPs as Thin Films and GO:Se /n-Si Device Application**
ÇAKICI T., ÖZDAL M., KUNDAKÇI M.
34th International Physics Conference of Turkish Physical Society, 5 - 09 September 2018
- XXIII. **Microbial Synthesized GOSe NPs as Thin Films and GOSe NPN-Si Device Application**
ÇAKICI T., ÖZDAL M., Kundakçı M.
Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 5 - 09 September 2018, pp.176
- XXIV. **Sıvı Kültürde Lepista nuda Tarafından Üretilen Ekzopolisakkaritin Antioksidan Aktivitesi**
ÖZDAL M.
7. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Nevşehir, Turkey, 2 - 05 July 2018, pp.39
- XXV. **Lactarius indigo Mantarında Bulunan ve Ömür Uzunluğunu İnhibe Eden Guazilen'e Karşı Pleurotus sajor-caju ve Pleurotus osteratus Mantarları**
ÇELİK H., KIZILET H., ÖZDAL M., GÜLMEZ O., ALGUR Ö. F., UYSAL H.
International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018, pp.485
- XXVI. **Lactarius indigo mantarında bulunan ve ömür uzunluğunu inhibe eden guazilen'xe karşı Pleurotus sajor-caju ve Pleurotus osteratus mantarları**
Çelik H., Kızilet H., ÖZDAL M., Gülmez Ö., ALGUR Ö. F., UYSAL H.
EurasianBioChem 2018, Ankara, Turkey, 26 - 27 April 2018, pp.485
- XXVII. **In vitro toxicity evaluation of mycelium extracts of Lepista nuda**
GEYİKOĞLU F., Çeriğ S., ÖZDAL M., KOÇ K., Gür Özdal Ö., ALGUR Ö. F., ŞİMŞEK ÖZEK N., AYSİN F.
3 rd International Multidisciplinary Symposium on Drug Research and Development - DRD 2017, 5 - 07 October 2017
- XXVIII. **White Root Basidiomycete Trametes versicolor: Safety, Antioxidant and Cytotoxic Activities**
ÇERİĞ S., GEYİKOĞLU F., ÖZDAL M., KOÇ K., Gür Özdal Ö., ALGUR Ö. F., ŞİMŞEK ÖZEK N., AYSİN F.
3 rd International Multidisciplinary Symposium on Drug Research and Development - DRD 2017, 5 - 07 October 2017
- XXIX. **THE POTENTIAL EFFECTS OF A HOT-WATER EXTRACT FROM MYCELIUM OF THE EDIBLE MUSHROOM ON HUMAN BLOOD MONONUCLEAR CELLS**
Çeriğ S., GEYİKOĞLU F., ÖZDAL M., KOÇ K., ALGUR Ö. F.
I. International Congress on Medicinal and Aromatic Plants, 10 - 12 May 2017
- XXX. **The Potential Effects of a Hot-Water Extract from Mycelium of the Edible Mushroom on Human Blood Mononuclear Cells**
ÇERİĞ S., GEYİKOĞLU F., ÖZDAL M., KOÇ K., ALGUR Ö. F.
1st Intenational Congress on Medicinal and Aromatic Plants: Natural and Healthy Life, 10 - 12 May 2017
- XXXI. **Toxicological Evaluation of Submerged Liquid Culture from Phanerochaete chrysosporiumMycelium on Human Blood Cells: Cytotoxicity, Genotoxicity and Oxidative Damage**
GEYİKOĞLU F., Çeriğ S., ÖZDAL M., KOÇ K., ALGUR Ö. F., Deniz Yıldız G.
I. International Congress on Medicinal and Aromatic Plants, Konya, Turkey, 10 - 12 May 2017, pp.163
- XXXII. **POTENTIAL EFFECTS OF MYCELLIUM EXTRACT FROMPLEUROTUS OSTREATUS ON HUMAN PERIPHERAL BLOODLYMPHOCYTES**
KOÇ K., Çeriğ S., GEYİKOĞLU F., ÖZDAL M., ALGUR Ö. F.

I. International Congress on Medicinal and Aromatic Plants, 10 - 12 May 2017

- XXXIII. **Toxicological Evaluation of Submerged Liquid Culture from *Phanerochaete Chrysosporium* Mycelium on Human Blood Cells: Cytotoxicity, Genotoxicity and Oxidative Damage**
GEYİKOĞLU F., ÇERİĞ S., ÖZDAL M., KOÇ K., ALGUR Ö. F., YILDIZ DENİZ G.
1st International Congress on Medicinal and Aromatic Plants: Natural and Healthy Life, 10 - 12 May 2017
- XXXIV. **Statistical optimization of beta-carotene production by *Arthrobacter agilis* A17 using response surface methodology and Box-Behnken design**
ÖZDAL M., ÖZDAL Ö. G., GÜRKÖK S.
2nd International Conference on Advances in Natural and Applied Sciences, ICANAS 2017, Antalya, Turkey, 18 - 21 April 2017, vol.1833
- XXXV. **Rhamnolipid Production by *Pseudomonas aeruginosa* OG1 Using Waste Frying Oil and Ram Horn Peptone**
ÖZDAL M., GÜRKÖK S., GÜR ÖZDAL Ö., KURBANOĞLU E. B.
2nd INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL AND APPLIED SCIENCES, 18 - 21 April 2017
- XXXVI. ***Serratia Marcescens* Chitinase as A Biocontrol Agent Against Pest *Yponomeuta Malinellus***
NARMANLIOĞLU H. K., ÖZDAL M.
2nd INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL AND APPLIED SCIENCES, Antalya, Turkey, 18 - 21 April 2017, pp.186
- XXXVII. **Isolation and Identification of Deltamethrin Degrading Bacteria From Potato Beetle**
ÖZDAL M., NARMANLIOĞLU H. K., Gür Özdal Ö.
2nd INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL AND APPLIED SCIENCES, 18 - 21 April 2017
- XXXVIII. **Isolation of endosulfan degrading bacteria from insect microflora**
Gür Özdal Ö., ÖZDAL M., ALGUR Ö. F.
INTERNATIONAL CONFERENCE ON BIOLOGICAL SCIENCES, Konya, Turkey, 21 - 23 October 2016, pp.35
- XXXIX. **Optimization of rhamnolipid production by *Pseudomonas aeruginosa* OG 2 using waste frying oil and chicken feather peptone**
ÖZDAL M., GÜRKÖK S., Gür Özdal Ö.
International Conference on Biological Sciences, Konya, Turkey, 21 - 23 October 2016
- XL. **Effect of light on growth and β -carotene production by *Arthrobacter agilis* A17**
ÖZDAL M., özdal ö. g., GÜRKÖK S.
International Conference on Biological Sciences, Konya, Turkey, 21 - 23 October 2016, pp.36
- XLI. **İmmobilize Edilmiş *Bacillus cereus* Hücreleri Tarafından İndol Asetik Asitin Üretimi**
ÖZDAL M., Gür Özdal Ö., SEZEN A., ALGUR Ö. F.
5. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Konya, Turkey, 18 - 21 July 2016
- XLII. **Prodigiosin üretimi için mutasyonla strain geliştirme**
ÖZDAL M., Gür Özdal Ö., KURBANOĞLU E. B.
5. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Turkey, 18 - 21 July 2016
- XLIII. **Isolation and characterization of plant growth promoting rhizobacteria PGPR and their effects on improving growth of wheat**
ALEV S., KOÇ K., ÖZDAL M., ALGUR Ö. F.
International Congress on Applied Biological Sciences, 16 - 20 September 2015
- XLIV. ***Pleurotus sajor caju* Biyomas Su Ekstratının Antibakteriyal Aktivitesi Üzerine Bir Araştırma**
ÖZDAL M., ÖZLEM G., ÖZLEM G. Ö., ALGUR Ö. F.
2. Ulusal Mikoloji Günleri Sempozyumu, Turkey, 9 - 11 September 2015
- XLV. ***Armillaria tabescens* Tarafından İndol Asetik Asit Üretimi**
ÖZDAL M., ÖZLEM G. Ö., ÖZLEM G., ALEV S., ALGUR Ö. F.
2. Ulusal Mikoloji Günleri II. Sempozyumu, Turkey, 9 - 11 September 2015
- XLVI. **Anti QS Quorum Sensing Aktivitesine Sahip Bitki Kökenli Maddeler ve Biyoteknolojik Uygulamaları**
DOĞAN A., ALEV S., ALGUR Ö. F., ÖZDAL M., ÖZLEM G.
Ulusal Bitki Fizyolojisi Sempozyumu, Erzurum, Turkey, 1 - 04 September 2015
- XLVII. **ACC Deaminaz Üreten Mikroorganizmaların Bitki Gelişimi Üzerine Etkisi**

ALEV S., ÖZDAL M., ÖZLEM G. Ö., ALGUR Ö. F.

Ulusal Bitki Fizyolojisi Sempozyumu, 1-4 Eylül 2015, Erzurum, Turkey, 1 - 04 September 2015

XLVIII. **Serratia marcescens NY 32 İzolatından Elde Edilen Prodigiosin Pigmentinin Antifungal Aktivitesi**
YÜCE N., ÖZDAL M., GUR Ö., ALGUR Ö. F.

1. Ulusal Mikoloji Günleri Sempozyumu, 1-4 Eylül 2014, Erzurum, Turkey, 1 - 04 October 2014

XLIX. **Misvak Özütünün Antifungal Aktivitesi**

ÖZDAL M., YÜCE N., GUR Ö., ALEV S.

1. Ulusal Mikoloji Günleri Sempozyumu, 1-4 Eylül 2014, Erzurum, Turkey, 1 - 04 September 2014

L. **A Study on the Production Purification and Acaricidal Activity of a Red Pigment from Beauveria bassiana isolate Paf04**

ÖRTÜCÜ S., ÖZDAL M., ALBAYRAK İSKENDER N., ALGUR Ö. F.

4th International Participated Entomopathogens and Microbial Control Symposium, Turkey, 11 - 14 September 2013

LI. **Role of Prodigiosin on the Acaricidal Activity of Entomopathogen Serratia marcescens**

ÖRTÜCÜ S., ÖZDAL M., ALBAYRAK İSKENDER N., AYDOĞAN M. N.

4th International Participated Entomopathogens and Microbial Control Symposium, Turkey, 11 - 14 September 2013

LII. **The Use of Bromocresol Purple Dye at Determination of Chitinase Activity of Locally Isolated Trichoderma spp and Molecular Identification of High Chitinase Producing Isolates**

ÖRTÜCÜ S., AYDOĞAN M. N., ÖZDAL M., EMSEN B.

2. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, 26-18 Ekim 2012, Antalya., Turkey, 16 - 18 October 2012

LIII. **Poecilimon tauricola nın Sindirim Sistemi Bakteri Florası Üzerine Bir Çalışma**

GUR Ö., ÖZDAL M., YÜCE N., İNCEKARA Ü., ALGUR Ö. F.

21. Ulusal Biyoloji Kongresi, 03-07 Eylül 2012, İzmir, Turkey, 3 - 07 September 2012

LIV. **Dut Pekmezi Üretiminden Arta Kalan Dut Posasının Asit Hidrolizasyonunun Optimizasyonu**

AYDOĞAN M. N., ZEYNEP Ç., ÖRTÜCÜ S., CANLI TAŞAR Ö., ÖZDAL M.

21. Ulusal Biyoloji Kongresi, İzmir, Turkey, 3 - 07 September 2012

LV. **Tavuk tüyü peptonu kullanılarak Xanthomonas campestris MO 2 tarafından ksantam gum üretimi**

ÖZDAL M., KURBANOĞLU E. B., GUR Ö.

21. Ulusal Biyoloji Kongresi, 03-07 Eylül 2012, İzmir, Turkey, 3 - 05 September 2012

LVI. **Bir Piretroid İnsektisit Olan Cypermethrin in Pseudomonas aeruginosa Cy5 Straini Tarafından Biyodegradasyonu**

GUR Ö., ÖZDAL M., ALGUR Ö. F., KURBANOĞLU E. B.

21. Ulusal Biyoloji Kongresi, 03-07 Eylül 2012, İzmir, Turkey, 3 - 07 September 2012

LVII. **Ulothrix sp ve Spirogyra sp Türlerinden Elde Edilen Asit Hidrolizatının Bazı Mikrofungusların Biyomas Verimine Etkileri**

ALGUR Ö. F., TULAY E., ÖRTÜCÜ S., GAMZE B. K., ÖZDAL M., GÜRBÜZ H.

21. Ulusal Biyoloji Kongresi, İzmir, Turkey, 3 - 07 September 2012

LVIII. **Mısır Maserasyon Sıvısından Elde Edilen Asit Hidrolizatının Mikroorganizma Sayımında Pepton Kaynağı Olarak Kullanımı**

ÖZDAL M., GUR Ö., YÜCE N., ÖRTÜCÜ S., ALGUR Ö. F.

21. Ulusal Biyoloji Kongresi, İzmir, Turkey, 3 - 07 September 2012

LIX. **Organoklorlu Bir Pestisit Olan Endosulfan in Acitenobacter lwoffii E2 Straini Tarafından Biyodegradasyonu**

GUR Ö., ALGUR Ö. F., ÖZDAL M., KURBANOĞLU E. B., ÖRTÜCÜ S.

21. Ulusal Biyoloji Kongresi, İzmir, Turkey, 3 - 07 September 2012

LX. **Koçboynuzu peptonu kullanılarak Serratia marcescens MO 67 tarafından prodigiosin prodigiosin pigmentinin üretimini**

ÖZDAL M., KURBANOĞLU E. B., GUR Ö., ÖRTÜCÜ S., ALGUR Ö. F.

21. Ulusal Biyoloji Kongresi, 03-07 Eylül 2012, İzmir, Turkey, 3 - 07 September 2012

LXI. **Bazı Aspergillus Türlerinin Kitinaz Aktivitelerinin Belirlenmesinde PH İndikatörü Bromocresol**

Purple Boyasının Kullanımı Üzerine Bir Çalışma

ÖRTÜCÜ S., AYDOĞAN M. N., YÜCE N., ÖZDAL M., ALGUR Ö. F.

21. Ulusal Biyoloji Kongresi, 03-07 Eylül 2012, İzmir, Turkey, 3 - 07 September 2012

LXII. Fungal Tek Hücre Proteini Balıklarda Alternatif Bir Besin Olarak Kullanılabilir mi

Şişman T., Gur Ö., Özdal M., Dogan N., Algur Ö. F.

XVI. Ulusal Su Ürünleri Sempozyumu, Antalya, Antalya, Turkey, 25 - 27 June 2011

LXIII. Örümcek Ağı Hidrolizatından Mikrobiyolojik Amaçlı Pepton Üretimi

HARUN D., ALGUR Ö. F., ÖZDAL M., ÖZLEM G. Ö., ERGON T., DEDE H.

20. Ulusal Biyoloji Kongresi, Turkey, 21 - 25 June 2010

LXIV. Özel Dizayn Edilmiş Bir Proses İle İmmobilize Edilmiş Rhodotorula Glutinis Hücreleri Tarafından S 1 Phenylethanol ün Sürekli Üretimi

ZİLBAYAZ K., KURBANOĞLU E. B., KURBANOĞLU N. İ., ÖZDAL M., TAŞKIN M.

24. Ulusal Kimya Kongresi, Turkey, 29 June - 02 July 2010

Supported Projects

Cömert Kılıç S., Tezcaner A., Özdal M., Ceylan O., Demirtaş R., Aysin F., Şimşek Özek N., TÜBİTAK Project, Optimal Özellikli Küresel Şekilli Bakteriyel Selüloz (Kbs) Örneklerinin Karakterizasyonları Yapılarak Üretilmesi Ve Üretilen Optimal Özellikli Kbs Ve Ayrı Ayrı Borik Asit, Hidroksiapatit Ve Prp Emdirilmiş Kbs Örneklerinin İnsan Osteoblast Hücreleri Ve Kemik Rejenerasyonu Üzerindeki Etkinliklerinin In-Vitro Ve In-Vivo Olarak Değerlendirilmesi, 2023 - 2026

Çakıcı Can T., Özdal M., Project Supported by Higher Education Institutions, Bakteriyel Sentez Yöntemi ile Üretilen GO:Ag Nanopartiküllerin Fotodiyot Uygulamaları ve Elektriksel Parametrelerinin Araştırılması, 2024 - 2025

Cömert Kılıç S., Özdal M., Ceylan O., Babayev U., Project Supported by Higher Education Institutions, Tavşanlarda temporomandibular eklem osteoartritin tedavisinde D vitamini ve borik asitin direkt ve bakteriyel selüloz hidrojeline karıştırılarak eklem içi uygulanmasının kartilaj rejenerasyonu üzerindeki etkinliğinin karşılaştırmalı olarak histolojik, histomorfometrik ve immünohistokimyasal olarak değerlendirilmesi, 2023 - 2025

GÜRKÖK S., ÖZDAL M., AKBAŞ F., Project Supported by Higher Education Institutions, Patates Kabuklarından İzole Edilen Priestia megaterium SFA ile Amilaz Üretiminin İstatistiksel Optimizasyonu: Amilazın Karakterizasyonu ve Deterjan Endüstrisi ile Nanopartikül Sentezinde Potansiyel Uygulamaları, 2023 - 2024

KURBANOĞLU E. B., DERMAN M., ÖZDAL M., Project Supported by Higher Education Institutions, Kırmızı pancardan elde edilen fermente içeceğin saklanma koşullarına bağlı olarak aromatik profili ve biyolojik aktif bileşenlerinin toplam miktarı üzerindeki etkisinin incelenmesi, 2022 - 2024

CÖMERT KILIÇ S., ÖZDAL M., Project Supported by Higher Education Institutions, Saf halde ya da çeşitli ajanların emdirilmesiyle elde edilen ve küresel formda üretilen bakteriyel selülozun tek başına ve çeşitli greft materyalleri ile bir arada kullanılarak kemik rejenerasyonu amacıyla kullanımı, 2022 - 2024

ÖZDAL M., BOZHÜYÜK F. M., Project Supported by Higher Education Institutions, Scolecobasidium musae Fungusdan Melanin Üretiminin Optimizasyonu ve UV Koruyucu Film Üretimi, 2021 - 2023

CÖMERT KILIÇ S., CEYLAN O., KOÇ G., ÖZDAL M., KILIÇ N., Project Supported by Higher Education Institutions, Deneysel olarak oluşturulan maksiller sinüs augmentasyonlarında borik asitin direkt olarak ve bakteriyel selüloza emdirilerek ksenogreftle birarada kullanımının kemik rejenerasyonu üzerindeki etkinliklerinin karşılaştırmalı olarak histolojik ve histomorfometrik olarak değerlendirilmesi: Bir pilot çalışma, 2021 - 2022

Özdal M., Bakır Ö., Balcı D., Project Supported by Higher Education Institutions, DNA kolyesi, 2021 - 2021

Özdal M., Bakır Ö., Yeşilyurt B. G., Project Supported by Higher Education Institutions, Doğa Dostu Biyoplastik Yapılım , 2021 - 2021

ÖZDAL M., GÜLMEZ Ö., ERTUĞAY E., ALGUR Ö. F., Project Supported by Higher Education Institutions, Glutaminaz ve Üreaz İçermeyen Antitümör Etkili Lasparaginaz Üreten Mikroorganizmaların İzolasyonu Karakterizasyonu ve Enzim Üretim Optimizasyonu, 2019 - 2021

GÜRKÖK S., ÖZDAL M., Project Supported by Higher Education Institutions, Lipaz üreten bakterilerin izolasyonu, enzimin saflaştırılması, karakterizasyonu ve deterjan sektöründe kullanım olanaklarının araştırılması, 2017 - 2020

KURBANOĞLU E. B., ÖZDAL M., Project Supported by Higher Education Institutions, Keratin, 2017 - 2020

ÖZDAL M., KURBANOĞLU E. B., GÜRKÖK S., GÜR ÖZDAL Ö., Project Supported by Higher Education Institutions, Pseudomonas aeruginosa tarafından piyosiyanın pigmentinin üretimi üzerine oksijen vektörlerinin etkisi, 2018 - 2018
Özdal M., Kurbanoğlu E. B., Project Supported by Higher Education Institutions, Tavuk Tüyü ve Melas Atıklarını Kullanarak Xanthomonas campestris Tarafından Ksantan gum Üretimi, 2011 - 2013
Özdal M., Algur Ö. F., Yüce N., Project Supported by Higher Education Institutions, Anti UV etkili pigment üreten bakterilerin izolasyonu karakterizasyonu ve sıvı kültürde pigment üretiminin optimizasyonu, 2011 - 2013
Özdal M., Kurbanoğlu E. B., Project Supported by Higher Education Institutions, Aspergillus niger Fungus u ile Tavuk Tüyü ve Melas Atıklarından Sitrik Asit Üretimi, 2010 - 2013

Patent

Cömert Kılıç S., Özdal M., SAF HALDE YA DA ÇEŞİTLİ AJANLARIN EMDİRİLMESİYLE ELDE EDİLEN VE KÜRESEL FORMDA ÜRETİLEN BAKTERİYEL SELÜLOZUN, TEK BAŞINA VE ÇEŞİTLİ GREFT MATERYALLERİ İLE BİR ARADA KULLANILARAK KEMİK REJENERASYONU AMACIYLA ÜRETİMİ VE KULLANIMI, Patent, CHAPTER A Human Needs, The Invention Registration Number: TR 2022 014391 B , Standard Registration, 2024
Cömert Kılıç S., Özdal M., PRODUCTION AND USE OF BACTERIAL CELLULOSE IN PURE FORM OR BY IMPREGNATION OF VARIOUS AGENTS AND PRODUCED IN SPHERICAL FORM FOR BONE REGENERATION, ALONE AND IN COMBINATION WITH VARIOUS GRAFT MATERIALS, Patent, CHAPTER A Human Needs, The Invention Recourse Number: PCT/TR2023/050939 , Standard Registration, 2023

Activities in Scientific Journals

FRONTIERS IN MICROBIOLOGY, Committee Member, 2022 - Continues
Journal of Activity in Science Education , Committee Member, 2022 - Continues
FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, Special Issue Editor, 2021 - 2022
Current Research in Microbiology and Biotechnology , Publication Committee Member, 2015 - 2021

Scientific Refereeing

INTERNATIONAL JOURNAL OF MICROBIOLOGY, Journal Indexed in ESCI, November 2024
FRONTIERS IN MICROBIOLOGY, Journal Indexed in SCI-E, October 2024
BMC MICROBIOLOGY, SCI Journal, October 2024
JOURNAL OF BASIC MICROBIOLOGY, Journal Indexed in SCI-E, September 2024
CRITICAL PUBLIC HEALTH, Journal Indexed in SCI-E, September 2024
ACS Food Science & Technology, Journal Indexed in ESCI, August 2024
FRONTIERS IN MICROBIOLOGY, Journal Indexed in SCI-E, July 2024
TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, National Scientific Refreed Journal, July 2024
FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, Journal Indexed in SCI-E, June 2024
SCIENTIFIC REPORTS, Journal Indexed in SCI-E, May 2024
INTERNATIONAL JOURNAL OF SECONDARY METABOLITE, Other Indexed Journal, April 2024
BIOLOGIA, Journal Indexed in SCI-E, April 2024
FRONTIERS IN MICROBIOLOGY, Journal Indexed in SCI-E, April 2024
FRONTIERS IN MICROBIOLOGY, Journal Indexed in SCI-E, March 2024
FRONTIERS IN MICROBIOLOGY, Journal Indexed in SCI-E, February 2024
FRONTIERS IN MICROBIOLOGY, Journal Indexed in SCI-E, December 2023
IRANIAN JOURNAL OF MICROBIOLOGY, Journal Indexed in ESCI, October 2023
Biologia , Journal Indexed in SCI-E, October 2023
FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, Journal Indexed in SCI-E, September 2023

ACS APPLIED BIO MATERIALS, Journal Indexed in ESCI, September 2023
FOOD BIOSCIENCE, Journal Indexed in SCI-E, August 2023
FRONTIERS IN MICROBIOLOGY, Journal Indexed in SCI-E, August 2023
FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, Journal Indexed in SCI-E, August 2023
MICROBIAL BIOTECHNOLOGY, SCI Journal, July 2023
ENVIRONMENTAL TECHNOLOGY AND INNOVATION, Journal Indexed in SCI-E, July 2023
TURKISH JOURNAL OF BIOLOGY, Journal Indexed in SCI-E, June 2023
FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, Journal Indexed in SCI-E, June 2023
FRONTIERS IN MICROBIOLOGY, Journal Indexed in SCI-E, June 2023
ACS APPLIED NANO MATERIALS, Journal Indexed in SCI-E, June 2023
TROPICAL LIFE SCIENCES RESEARCH, Journal Indexed in ESCI, May 2023
HELIYON, SCI Journal, April 2023
ADMET & DMPK, Journal Indexed in ESCI, April 2023
FRONTIERS IN MICROBIOLOGY, SCI Journal, March 2023
İğdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Other Indexed Journal, March 2023
FRONTIERS IN MICROBIOLOGY, SCI Journal, February 2023
3 Biotech, SCI Journal, February 2023
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, SCI Journal, February 2023
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, National Scientific Refreed Journal, January 2023
ELECTRONIC JOURNAL OF BIOTECHNOLOGY, SCI Journal, December 2022
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, Other Indexed Journal, December 2022
PREPARATIVE BIOCHEMISTRY AND BIOTECHNOLOGY, National Scientific Refreed Journal, November 2022
Journal of Advances in Biology and Biotechnology, Other Indexed Journal, September 2022
INTERNATIONAL JOURNAL OF MICROBIOLOGY, Journal Indexed in ESCI, September 2022
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, SCI Journal, July 2022
Environmental Challenges , Other Indexed Journal, June 2022
Frontiers in Life Sciences and Related Technologies, Other journals, May 2022
Brazilian Archives Of Biology And Technology, SCI Journal, May 2022
ARCHIVES OF MICROBIOLOGY, Journal Indexed in SCI-E, May 2022
PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, SCI Journal, April 2022
Turkish Journal of Agriculture - Food Science and Technology, Other Indexed Journal, March 2022
ENGINEERING IN LIFE SCIENCES, Journal Indexed in SCI-E, March 2022
Journal of Pure and Applied Microbiology, Journal Indexed in ESCI, March 2022
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY - PART B MOLECULAR BIOTECHNOLOGY, SCI Journal, February 2022
BIOTECHNOLOGY JOURNAL, SCI Journal, January 2022
Organic Communications, Journal Indexed in ESCI, December 2021
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, SCI Journal, December 2021
PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, SCI Journal, December 2021
Plant Cell Biotechnology and Molecular Biology, Other Indexed Journal, October 2021
CHEMOSPHERE, SCI Journal, September 2021
TÜRK DOĞA VE FEN DERGİSİ, National Scientific Refreed Journal, July 2021
İğdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Other journals, June 2021
FOOD SCIENCE & NUTRITION, Journal Indexed in SCI-E, June 2021
Caucasian Journal of Science, Other Journals, June 2021
Anatolian Journal of Biology, Other Journals, May 2021
PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, Journal Indexed in SCI-E, April 2021
SCIENTIFIC REPORTS, SCI Journal, April 2021
JOURNAL OF APPLIED MICROBIOLOGY, SCI Journal, February 2021
Journal of Microbiology, Biotechnology and Food Science, Journal Indexed in ESCI, February 2021
JOURNAL OF FOOD PROCESSING AND PRESERVATION, Journal Indexed in SCI-E, February 2021
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, SCI Journal, January 2021

CHEMICAL INDUSTRY & CHEMICAL ENGINEERING QUARTERLY, SCI Journal, January 2021
BIOTECHNOLOGY PROGRESS, SCI Journal, December 2020
BIOMASS CONVERSION AND BIOREFINERY, Journal Indexed in SCI-E, July 2020
Turkish Journal of Agriculture - Food Science and Technology, Other journals, June 2020
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, Journal Indexed in SCI-E, March 2020
AVRUPA BİLİM VE TEKNOLOJİ DERGİSİ, National Scientific Refreed Journal, February 2020
BMC MICROBIOLOGY, SCI Journal, January 2020
BIOTECHNOLOGY REPORTS, Other journals, January 2020
Journal of Genetic Engineering and Biotechnology , Other journals, January 2020
Biodiversitas Journal of Biological Diversity , Other journals, January 2020
SOJ Microbiology & Infectious Diseases, Other journals, November 2019
Brazilian Journal of Chemical Engineering, SCI Journal, October 2019
International Journal of Polymer Science , SCI Journal, August 2019
Journal of Applied Microbiology , SCI Journal, July 2019
Food Science & Nutrition , SCI Journal, June 2019
Biosciences Biotechnology Research Asia , Other Indexed Journal, June 2019
International Journal of Applied Microbiology and Biotechnology Research , Other Indexed Journal, May 2019
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi , National Scientific Refreed Journal, December 2018
Malaysian Journal of Microbiology , Other Indexed Journal, October 2018
Malaysian Journal of Microbiology , Other Indexed Journal, September 2018
International Journal of Plant & Soil Science, Other Indexed Journal, May 2018
Journal of BioScience and Biotechnology , Other Indexed Journal, May 2018
Turkish Journal of Agriculture - Food Science and Technology , Other Indexed Journal, May 2018
Journal of Phytopathology , SCI Journal, April 2018
Electronic Journal of Biotechnology , SCI Journal, April 2018
South Asian Journal of Research in Microbiology, Other Indexed Journal, April 2018
BMC Microbiology , SCI Journal, April 2018
Applied Food Biotechnology , Other Indexed Journal, April 2018
International Journal of Microbiology and Biotechnology Research , Other Indexed Journal, March 2018
Journal of Applied Life Science International, Other Indexed Journal, March 2018
Journal of BioScience and Biotechnology , Other Indexed Journal, September 2017
3 Biotech, SCI Journal, August 2017
1st International Eurasian Mycology Congress , Other journals, July 2017
Microbiology Research Journal International , Other Indexed Journal, May 2017
3 Biotech, SCI Journal, May 2017
Turkish Journal of Agriculture-Food Science and Technology, Other Indexed Journal, May 2017
Chemical Science International Journal , Other Indexed Journal, March 2017
Journal of Basic and Applied Research International , Other Indexed Journal, February 2017
Turkish Journal of Agriculture - Food Science and Technology , Other Indexed Journal, October 2016
Turkish Journal of Agriculture - Food Science and Technology , Other Indexed Journal, July 2016
Turkish Journal of Biology , SCI Journal, May 2016
British Microbiology Research Journal , Other Indexed Journal, April 2015
Turkish Journal of Biology , SCI Journal, August 2014
African Journal of Microbial Research , Other Indexed Journal, April 2013

Scientific Consultations

Prof. Dr. Necmettin Erbakan Fen Lisesi, Scientific Consultancy, Ataturk University, Fen Fakültesi, Biyoloji, Turkey, 2020 -
Continues

Tübitak, Project Consultancy, Ataturk University, Fen Fakültesi, Biyoloji, Turkey, 2020 - 2022

TÜBİTAK, Project Consultancy, Ataturk University, Fen Fakültesi, Biyoloji, Turkey, 2020 - 2020

TÜBİTAK, Project Consultancy, Ataturk University, Fen Fakültesi, Biyoloji, Turkey, 2019 - 2019

Metrics

Publication: 123

Citation (WoS): 530

Citation (Scopus): 662

H-Index (WoS): 14

H-Index (Scopus): 16

Scholarships

2211-A Genel Yurt İçi Doktora Burs Programı, TÜBİTAK, 2009 - 2013