

Assoc. Prof. UĞUR UZUNER



## Personal Information

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## International Researcher IDs

ORCID: 0000-0002-5308-3730

Yoksis Researcher ID: 125625

## Education Information

Doctorate, Texas A&M University, Agriculture And Life Sciences, Plant Pathology And Microbiology, United States Of America 2008 - 2013

Postgraduate, Karadeniz Technical University, Fen Fakültesi, Biyoloji, Turkey 2003 - 2006

Undergraduate, Karadeniz Technical University, Fatih Eğitim Fakültesi, Orta Öğretim Fen-Matematik Alanları Eğitimi, Turkey 1998 - 2003

## Foreign Languages

English, C1 Advanced

## Certificates, Courses and Trainings

Foreign Language, English Language Institute, Syracuse University, 2008

## Dissertations

Doctorate, STRUCTURE DYNAMICS GUIDED ENZYME IMPROVEMENT OF ENDO-BETA-1, 4-XYLANASE I, Texas A&M University, Agrilife And Life Sciences, Plant Pathology And Microbiology, 2013

Postgraduate, Kuzey Anadolu Doğal Primula L. (PRIMULACEAE) Taksonlarının nrDNA ITS Bölgeleri Bakımından Karşılaştırılması, Karadeniz Technical University, Fen Fakültesi, Biyoloji Bölümü Molekuler Bitki Sistematiği, 2006

## Research Areas

Life Sciences, Biochemistry, Enzymology, Molecular Biochemistry, Structural Biology, Bioinformatics, Biological Modelling, Biotechnology, Industrial Biotechnology, Microbial Biotechnology, Microbiology, Algalogy, Molecular Biology and Genetics, Genetic Engineering, Protein Engineering, Chemistry, Biochemistry, Protein Chemistry, Natural Sciences

## Academic Titles / Tasks

Assistant Professor, Karadeniz Technical University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2018 - Continues  
Assistant Professor, Karadeniz Technical University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2015 - 2018  
Research Assistant PhD, Karadeniz Technical University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2014 - 2015

## Courses

Endüstriyel Biyoteknoloji, Undergraduate, 2023 - 2024  
Biyoteknoloji, Undergraduate, 2023 - 2024  
Pharmaceutical Biotechnology, Doctorate, 2021 - 2022  
Fermentation Technologies, Postgraduate, 2019 - 2020  
Biyoinformatik, Undergraduate, 2019 - 2020  
Microalgae Biotechnology, Postgraduate, 2019 - 2020  
Molecular Biology of the Gene, Postgraduate, 2019 - 2020  
Mesleki İngilizce, Undergraduate, 2019 - 2020  
Farmasötik Biyoteknoloji Uygulamaları Ve Ürünler , Undergraduate, 2017 - 2018

## Jury Memberships

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, December, 2019  
Post Graduate, Post Graduate, Recep Tayyip Erdoğan Üniversitesi, July, 2018

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Bioimaging of thiazolidine-4-one-based new probes, fluorimetric detection of Cu<sup>2+</sup> " on/off" sensor property, DFT calculation, molecular docking studies, and multiple real samples application**  
Karakilic E., Basceken S., Eskiler G. G., UZUNER U., Baran A.  
FOOD CHEMISTRY, vol.463, 2025 (SCI-Expanded)
- II. **Elucidating the antimicrobial and anticarcinogenic potential of methanolic and water extracts of edible *Tragopogon coelesyriacus* Boiss.**  
ÜNVER T., UZUNER U., ÇELİK UZUNER S., Gurhan I., Sivri N. S., ÖZDEMİR Z.  
Food Science and Nutrition, vol.12, no.10, pp.7252-7272, 2024 (SCI-Expanded)
- III. **Exploring epigenetic drugs as potential inhibitors of SARS-CoV-2 main protease: a docking and MD simulation study**  
Uzuner U., Akkus E., Kocak A., Çelik Uzuner S.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.42, no.13, pp.6892-6903, 2024 (SCI-Expanded)
- IV. **Strategic utilization of microalgae byproducts for sustainable biofertilization of *Camellia sinensis* (green tea)**  
Çakmak R., UZUNER U.  
JOURNAL OF PLANT NUTRITION, vol.47, no.6, pp.958-971, 2024 (SCI-Expanded)
- V. **Production and characterization of novel thermostable CotA-laccase from *Bacillus altitudinis* SL7 and its application for lignin degradation**  
Khan S. I., Sahinkaya M., Colak D. N., Zada N. S., UZUNER U., BELDÜZ A. O., ÇANAKÇI S., Khan A. Z., Khan S., Badshah M., et al.  
ENZYME AND MICROBIAL TECHNOLOGY, vol.172, 2024 (SCI-Expanded)
- VI. **Functional and Extracellular Production and Antitumor Activity of Mouse Alpha Klotho in Model Microalga *Chlamydomonas reinhardtii***  
Çakmak R., UZUNER U.

CHEMISTRY & BIODIVERSITY, vol.21, no.1, 2024 (SCI-Expanded)

- VII. **Newly Synthesized *N*-Glycosidic Halochalcones Reveal Inhibitory Activity on Pancreatic Triacylglycerol Lipase**  
Yikilmaz M., Fandaki S., ŞENER S. Ö., BADEM M., KANBOLAT Ş., YAYLI N., UZUNER U., ALİYAZICIOĞLU R.  
CHEMISTRY OF NATURAL COMPOUNDS, vol.59, no.4, pp.629-637, 2023 (SCI-Expanded)
- VIII. **Article Artificial intelligence-based HDX (AI-HDX) prediction reveals fundamental characteristics to protein dynamics: Mechanisms on SARS-CoV-2 immune escape**  
Yu J., Uzuner U., Long B., Wang Z., Yuan J. S., Dai S. Y.  
ISCIENCE, vol.26, no.4, 2023 (SCI-Expanded)
- IX. **Dihydroisocoumarins and Phenylglycosides from *Scorzonera longiana*, Their Antimicrobial Activities and Molecular Docking Studies**  
KORKMAZ B., RENDA G., BOZDAL G., ÇOŞKUNÇELEBİ K., Bozdeveci A., UZUNER U., YAYLI N.  
CHEMISTRY & BIODIVERSITY, vol.20, no.4, 2023 (SCI-Expanded)
- X. **The effect of friction stir process on the mechanical, tribological, and biocompatibility properties of AZ31B magnesium alloy as a biomaterial: A pilot study**  
Kahramanzade H., Celik-Uzuner S., Uzuner U., Sert Y., Küçükömeroğlu T.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART H-JOURNAL OF ENGINEERING IN MEDICINE, vol.236, pp.1720-1731, 2022 (SCI-Expanded)
- XI. **Homology modeling and heterologous expression of highly alkaline subtilisin-like serine protease from *Bacillus halodurans* C-125**  
Tekin A., Uzuner U., Sezen K.  
BIOTECHNOLOGY LETTERS, vol.43, no.2, pp.479-494, 2021 (SCI-Expanded)
- XII. **The Detailed Comparison of Cell Death Detected by Annexin V-PI Counterstain Using Fluorescence Microscope, Flow Cytometry and Automated Cell Counter in Mammalian and Microalgae Cells**  
Koç E., Celik-Uzuner S., Uzuner U., Cakmak R.  
JOURNAL OF FLUORESCENCE, vol.28, no.6, pp.1393-1404, 2018 (SCI-Expanded)
- XIII. **Improved pulp bleaching potential of *Bacillus subtilis* WB800 through overexpression of three lignolytic enzymes from various bacteria**  
OZER A., UZUNER U., GÜLER H. İ., Sal F., BELDÜZ A. O., DENİZ İ., ÇANAKÇI S.  
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, vol.65, no.4, pp.560-571, 2018 (SCI-Expanded)
- XIV. **Redesigning pH optimum of *Geobacillus* sp TF16 endoxylanase through in silico designed DNA swapping strategy**  
UZUNER U., ÇANAKÇI S., Bektas K., SAPMAZ M. T., BELDÜZ A. O.  
BIOCHIMIE, vol.137, pp.174-189, 2017 (SCI-Expanded)
- XV. **Effects of various estrogen ligands on the structural conformation of human estrogen receptor alpha**  
Chen X., UZUNER U., Li M., Shi W., Yuan J. S., Dai S. Y.  
INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE, vol.40, 2017 (SCI-Expanded)
- XVI. **Phytoestrogens and Mycoestrogens Induce Signature Structure Dynamics Changes on Estrogen Receptor**  
Chen X., Uzuner U., Li M., Shi W., Yuan J. S., Dai S. Y.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, vol.13, no.9, 2016 (SCI-Expanded)
- XVII. **Comparative analysis of insect gut symbionts for composition-function relationships and biofuel application potential**  
Shi W., UZUNER U., Huang L., Jesudhasan P. R., Pillai S. D., Yuan J. S.  
Biofuels, vol.2, no.5, pp.529-544, 2011 (SCI-Expanded)
- XVIII. **HDX-Analyzer: a novel package for statistical analysis of protein structure dynamics**  
Liu S., Liu L., UZUNER U., Zhou X., Gu M., Shi W., Zhang Y., Dai S. Y., Yuan J. S.  
BMC BIOINFORMATICS, vol.12, 2011 (SCI-Expanded)
- XIX. **Enzyme structure dynamics of xylanase I from *Trichoderma longibrachiatum***

Uzuner U., Shi W., Liu L., Liu S., Dai S. Y., Yuan J. S.  
BMC BIOINFORMATICS, vol.11, 2010 (SCI-Expanded)

- XX. **Internal transcribed spacer (ITS) polymorphism in the wild Primula (Primulaceae) taxa of Turkey**  
Gultepe M., Uzuner U., ÇOŞKUNÇELEBİ K., BELDÜZ A. O., TERZİOĞLU S.  
TURKISH JOURNAL OF BOTANY, vol.34, no.3, pp.147-157, 2010 (SCI-Expanded)

## Articles Published in Other Journals

- I. **MW Assisted Synthesis of New 4,6-diaryl-3,4-Dihydropyrimidines-2(1H)-thione Derivatives: Tyrosinase Inhibition, Antioxidant, and Molecular Docking Studies**  
FANDAKLI S., YÜCEL T. B., ÖZTÜRK E., UZUNER U., BARUT B., ATEŞ F. M., YAYLI N.  
CUMHURİYET SCIENCE JOURNAL, vol.44, no.4, pp.687-696, 2023 (Peer-Reviewed Journal)
- II. **Comparison of Cellular Autofluorescence Patterns of Two Model Microalgae by Flow Cytometry**  
UZUNER U.  
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.17, no.2, pp.159-165, 2021 (Peer-Reviewed Journal)
- III. **An Extensive Method for Maintenance of Sterility in Mammalian Cell Culture Laboratory Routine**  
ÇELİK UZUNER S., UZUNER U.  
Challenges, vol.8, no.2, pp.1-6, 2017 (Peer-Reviewed Journal)
- IV. **Relationships among some endemic Hieracium L s str Asteraceae taxa based on internal transcribed spacer ITS**  
GÜLTEPE M., ÇOŞKUNÇELEBİ K., BELDÜZ A. O., UZUNER U.  
Biological Diversity and Conservation, vol.6, no.2, pp.134-141, 2014 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Hücre İskelet Sistemleri**  
UZUNER U.  
in: BECKER'İN HÜCRE DÜNYASI, Ali Osman BELDÜZ, Editor, PALME YAYINEVİ, New Jersey, pp.351-376, 2019
- II. **Salicylic Acid: Molecular Basis of Stress Resistance in Plants**  
UZUNER U., SAĞLAM A., KADIOĞLU A.  
in: Salicylic Acid: A Multifaceted Hormone, Rahat Nazar, Noushina Iqbal, Nafees A. Khan, Editor, Springer, Springer Singapore, pp.163-199, 2017

## Refereed Congress / Symposium Publications in Proceedings

- I. **The Utilization of Microalgal Wastes in Mass Production of Medicinal Plants**  
EL M., ÇAKMAK R., UZUNER U.  
International Eurasian Conference on Biotechnology and Biochemistry (BioTechBioChem 2020), Ankara, Turkey, 16 December 2020
- II. **Chlorella vulgaris is a Promising Biofertilizer for Camellia sinensis Organic Farming**  
CAKMAK R., EL M., UZUNER U.  
International Eurasian Conference on Biotechnology and Biochemistry (BioTechBioChem 2020), Ankara, Turkey, 16 December 2020
- III. **Algae Potentials for Crop Protection and Modern Agriculture**  
Uzuner U.  
Eurasian Congress on Molecular Biotechnology, Trabzon, Turkey, 19 - 21 September 2019, pp.39-40
- IV. **Extracellular Production of Bacillus halodurans C-125 Alkaline Protease in Bacillus subtilis XW800**  
SEZEN K., TEKİN A., UZUNER U.

Eurasian Congress on Molecular Biotechnology, 19 - 21 September 2019

- V. **In-Depth Structural Analysis of Thermostable Alkaline Serine Protease from *Bacillus halodurans* C-125: An in silico Approach.**  
Tekin A., UZUNER U., SEZEN K.  
International Conference Of Genomics And Bioinformatics (ICGB), Aydın, Turkey, 1 - 04 November 2018, pp.1
- VI. **Effects of various estrogen ligands on the structural conformation of human estrogen receptor ?**  
Chen X., UZUNER U., Li M., Shi W., Yuan J. S., Dai S. Y.  
22nd World Congress on Advances in Oncology and 20th International Symposium on Molecular Medicine, Atina, Greece, 5 - 07 October 2017, pp.11-12
- VII. **Structure and Homology Modelling of *Arabidopsis thaliana* Non-expresser of Pathogenesis Related 1 Gene and Thioredoxin 5**  
UZUNER U.  
2nd Japan – Turkey International Symposium on Pharmaceutical and Biomedical Sciences (JATUSPAB-2), Trabzon, Turkey, 11 - 12 September 2017, pp.22
- VIII. **Empowering enzyme characteristics through rational design**  
UZUNER U., ÇANAKÇI S., Bektas K. I., TUNCEL M., BELDÜZ A. O.  
European Biotechnology Congress, Dubrovnik, Croatia, 25 - 27 May 2017, vol.256
- IX. **Determination of paper bleaching potentials of some ligninolytic enzymes produced in operon form**  
ÇANAKÇI S., Ozer A., UZUNER U., GÜLER H. İ., BELDÜZ A. O., DENİZ İ.  
European Biotechnology Congress, Dubrovnik, Croatia, 25 - 27 May 2017, vol.256
- X. **DETERMINATION OF WASTE PAPER PULP BLEACHING CAPACITY OF THREE LIGNINOLYTIC ENZYMES PRODUCED SIMULTANEOUSLY**  
BELDÜZ A. O., ÖZER A., UZUNER U., GÜLER H. İ., DENİZ İ., ÇANAKÇI S.  
Internatioanl DNA Day and Genome Congress, Kırşehir, Turkey, 24 - 28 April 2017, pp.149
- XI. **Improving the Alkaline Tolerance of *Geobacillus* sp.TF16 Endoxylanase by In Silico Design Driven DNA Swapping**  
Uzuner U., Tuncel M., İnan K., Canakcı S., Beldüz A. O.  
11th International Conference on Protein Stabilisation, İstanbul, Turkey, 9 - 11 May 2016, pp.1
- XII. **TF16 endoxylanase by In Silico Design Driven DNA Swapping**  
UZUNER U., İNAN BEKTAŞ K., tuncel m., ÇANAKÇI S., BELDÜZ A. O.  
11th International Conference on Protein Stabilisation, 9 - 11 May 2016
- XIII. **Construction and Characterization of A New Chimeric Xylanase Active At High Temperature and pH**  
TUNCEL M., UZUNER U., ÇOLAK D. N., BELDÜZ A. O., ÇANAKÇI S.  
ICBMB 2015 International Conference on Biochemistry and Molecular Biology, Paris, France, 17 - 24 April 2015, pp.22
- XIV. **Hidrojen Deuterium Değişimi Kütle Spektrometrisi Tabanlı Endo Beta (1,4) Ksilanaz 1 in Enzim Karakteristiklerinin Geliştirilmesi**  
UZUNER U., Sun S., Shi W., Dai S. Y., Yuan J. S.  
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, pp.178
- XV. **Yüksek Enerji İçerikli Hidrokarbon Üretimine Yönelik Olarak *Oryza sativa* spp. Böcek Savunma Geninin *Chlamydomonas reinhardtii* Hücrelerinde Overekspresyonu**  
UZUNER U., Syrenne R., Kyoung Kim, , Yuan J. S.  
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, pp.277
- XVI. **Creating chimeras of different xylanases isolated from two *Geobacillus* species with DNA shuffling**  
TUNCEL M., UZUNER U., BELDÜZ A. O., ÇANAKÇI S.  
3rd International Molecular Biology and Biotechnology Congress 2014, Sarajevo, Bosnia And Herzegovina, 2 - 06 June 2014, pp.161
- XVII. **Improving the Efficiency of Homologous Gene Replacement by Disrupting the NHEJ Pathway for Gene *KusA* in the Oleaginous Fungus *Mortierella alpina***  
Krueger K., Dai Z., UZUNER U.  
Annual Meeting of the California-Nevada Section of the APS, California, United States Of America, 2 - 03 November

2012, vol.57, no.13, pp.1

- XVIII. **Agrobacterium-Based Engineering of Chlamydomonas reinhardtii (CC-124) For Autotrophic Production of Terpenoid Hydrocarbons**  
UZUNER U., Syrenne R., Xie S., Dai S. Y., Dai S. Y., Yuan J. S.  
2nd International Conference on Algal Biomass, Biofuels & Bioproducts, San Diego, California, United States Of America, 10 - 13 June 2012, pp.7
- XIX. **Hydrogen Deuterium Exchange Mass Spectrometry-Based Enzyme Dynamics Analysis Reveals New Structure Determinants And Mechanisms**  
UZUNER U., Shi W., Guo H., Dai S. Y., Yuan J. S.  
Symposium for Biotechnology Fuels and Chemicals (34th SBFC), New Orleans, Louisiana, United States Of America, 29 April - 04 May 2012, pp.10-4
- XX. **Metabolic Engineering of Green Algae for Autotrophic Production of Terpenoid Hydrocarbons**  
UZUNER U., Syrenne R., Xie S., Dai S. Y., Yuan J. S.  
Symposium for Biotechnology Fuels and Chemicals (34th SBFC), New Orleans, Louisiana, United States Of America, 29 April - 04 May 2012, pp.12-3
- XXI. **Beyond Structure Characterization: Structure Dynamics (Hydrogen Deuterium Exchange) Guided Biocatalyst Improvement**  
UZUNER U., Shi W., Johnson Q., Guo H., Dai S. Y., Yuan J. S.  
24th Sanibel Conference on Mass Spectrometry January, Pete Beach, Florida, United States Of America, 19 January 2012, pp.14-15
- XXII. **Dramatically Different Molecular Dynamics of Two Proteins with Similar Folding as Probed by Hydrogen Deuterium Exchange Mass Spectrometry and Molecular Dynamics Simulation**  
UZUNER U., Shi W., Johnson Q., Guo H., Dai S. Y., Yuan J. S.  
24th Sanibel Conference on Mass Spectrometry January, Pete Beach, Florida, United States Of America, 19 January 2012, pp.18
- XXIII. **A Novel Package for Statistical Analysis of Protein Structure Dynamics**  
Liu S., Liu L., UZUNER U., Zhou X., Gu M., Shi W., Zhang Y., Dai S. Y., Yuan J. S.  
The Ninth Asia Pacific Bioinformatics Conference (APBC 2011), Incheon, South Korea, South Korea, 11 - 14 January 2011, pp.8
- XXIV. **Novel Software Package for HDX-Mass Spectrometry Analysis**  
Liu L., Zhou X., UZUNER U., Dai S. Y., Yuan J. S.  
7th Annual MidSouth Computational Biology and Bioinformatics Society (MCBIOS) Conference, Jonesboro, Arkansas, United States Of America, 19 - 20 February 2010, pp.14
- XXV. **Structure Dynamics Analysis of Xylanases**  
UZUNER U., Shi W., Liu L., Dai S. Y., Yuan J. S.  
MidSouth Computational Biology and Bioinformatics Society (7th Annual MCBIOS Conference), Jonesboro, Arkansas, United States Of America, 19 - 20 February 2010, pp.12
- XXVI. **Bazı Endemik Hieracium L. (Asteraceae) Türlerinin ITS nrDNA Dizileri Bakımından Karşılaştırılması**  
GÜLTEPE M., ÇOŞKUNÇELEBİ K., UZUNER U., BELDÜZ A. O., ÇANAKÇI S., BERİŞ F. Ş.  
19. Ulusal Biyoloji Kongresi, Trabzon, Turkey, 23 - 27 June 2008, pp.461
- XXVII. **Bazı Primula L. (Primulaceae) Türlerinin nrITS Bölgeleri Bakımından Karşılaştırılması**  
GÜLTEPE M., UZUNER U., ÇOŞKUNÇELEBİ K., BELDÜZ A. O., TERZİOĞLU S.  
19. Ulusal Biyoloji Kongresi, Trabzon, Turkey, 23 - 27 June 2008, pp.472
- XXVIII. **Bazı Hieracium L. (Asteraceae) Türlerinin Nüklear rDNA ITS Bölgeleri Açısından Karşılaştırılması**  
ÇOŞKUNÇELEBİ K., GÜLTEPE M., UZUNER U., ÇANAKÇI S., BELDÜZ A. O.  
18. Ulusal Biyoloji Kongresi, Aydın, Turkey, 26 - 30 June 2006, pp.264
- XXIX. **Bazı Hieracium L. (Asteraceae) Türlerinin Nüklear rDNA ITS Bölgeleri Açısından Karşılaştırılması**  
ÇOŞKUNÇELEBİ K., GÜLTEPE M., UZUNER U., ÇANAKÇI S., BELDÜZ A. O.  
18. Ulusal Biyoloji Kongresi, Aydın, Turkey, 26 - 30 June 2006, pp.264

## Supported Projects

- ALİYAZICIOĞLU R., FANDAKLI S., KANBOLAT Ş., UZUNER U., BADEM M., YIKILMAZ M., Project Supported by Higher Education Institutions, 2-Amino Sübstitüe Klorokalkon ve N-Glikozit Türevi Bileşiklerin Kollajenaz İnhibitör Aktivitelerinin ve Moleküler Modellemelerinin İncelenmesi, 2024 - Continues
- UZUNER U., ÇIĞŞAR T., Project Supported by Higher Education Institutions, Klotho Proteininin Deri Kanseri (Melanoma Hücreleri) Üzerinde Antitümör Etkilerinin Araştırılması, 2024 - Continues
- UZUNER U., ALTUN B., Project Supported by Higher Education Institutions, Fungusit Etkili Antifungal Protein ve Peptidin Chlorella Mikroalglerinde Pilot Ölçekli ve Eşzamanlı Üretimi, 2024 - Continues
- UZUNER U., ÇELİK UZUNER S., YETİM C. E., Project Supported by Higher Education Institutions, Bir Karotenoid Molekülünün Siklin Bağımlı Kinaz 7 CDK7 Üzerindeki İnhibisyon Potansiyellerinin Araştırılması, 2023 - Continues
- ALİYAZICIOĞLU R., UZUNER U., BADEM M., KANBOLAT Ş., FANDAKLI S., KARDAL P., Project Supported by Higher Education Institutions, Sentezlenecek Kalkon, Pirazolin ve Pirazolin N-Asetil Analoglarının Biyolojik Aktivitelerinin İncelenmesi, 2023 - Continues
- UZUNER U., ÇELİK UZUNER S., Project Supported by Higher Education Institutions, Yüksek Aktiviteli Antifungal Protein Kimeriklerinin Rasyonel Enzim Mühendisliği ile Geliştirilmesi, 2022 - Continues
- UZUNER U., SAĞLAM A., AVCI U., DEMİRCİ E., TUBITAK Project, Tarımsal Bitkilerde Külleme Hastalığının Çözümü için Antifungal Protein ve Biyo-Uyarıcı İçerikli Biyolojik Preparatların Geliştirilmesi ve Üretilmesi, 2018 - Continues
- UZUNER U., Project Supported by Other Official Institutions, Doğu Karadeniz Kıyı Şeridi Makroalg Türlerinin Biyokimyasal İçeriklerinin Belirlenmesi, 2018 - Continues
- UZUNER U., Çalışkan N., EROĞLU O., AFAN F., DÜZGÜNEŞ Z. D., TÜRE M., KUTLU İ., KUTLU S., BALÇIK MISIR G., TAŞKIN E., TAGEM Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü Projesi, Doğu Karadeniz Kıyı Şeridi Makroalg Türlerinin Moleküler Tekniklerle Genetik Karakterizasyonu ve Biyokimyasal İçeriklerinin Belirlenmesi, Continues
- ALİYAZICIOĞLU R., BADEM M., KANBOLAT Ş., UZUNER U., FANDAKLI S., Project Supported by Higher Education Institutions, 3,4-Dihidropirimidin-2-Tiyon Türevlerinin Antikollajenaz, Antioksidan ve Antimikrobiyal Aktivitelerinin İncelenmesi, 2024 - 2024
- SAĞLAM A., GÜLER H. İ., UZUNER U., Project Supported by Higher Education Institutions, Dışarıdan Uygulanan Lsisteinin Tuz Stresi Altındaki Nohut Çeşitleri Üzerindeki Etkilerinin Araştırılması, 2021 - 2024
- ALİYAZICIOĞLU R., KANBOLAT Ş., BADEM M., UZUNER U., FANDAKLI S., MOHAMED H. R. A., Project Supported by Higher Education Institutions, Aminokalkonlar ve 3,4-Dihidropirimidin-2-Tiyon Türevlerinin Sentezi, Karakterizasyonu ve Biyolojik Aktiviteleri, 2022 - 2023
- ÇELİK UZUNER S., ÇAKMAK R., YILDIRIM S., ÜNSAL S., YILDIZ E. N., BAYRAKTAR SARIKOÇ D., UZUNER U., Project Supported by Higher Education Institutions, Biyoteknolojik olarak üretilmiş bir aday proteinin Adrenolökodistrofi sendromlu hücre serilerinde yağ asidi metabolizmasına etkisinin araştırılması, 2020 - 2023
- Çelik Uzuner S., Uzuner U., TUBITAK Project, İki Trichoderma Antifungal Proteinin Tanımlanması, Fonksiyonel Analizi, Heterologus Ekspresyonu ve Fungal Patojenlerle Mücadeledeki Rollerinin Aydınlatılması, 2020 - 2023
- UZUNER U., ÇAKMAK R., Project Supported by Higher Education Institutions, Fare Alfa Klotho Geninin Chlamydomonas reinhardtii Mikroalg Konaklarında Üretimi ve Antikanser Etkilerinin Belirlenmesi, 2020 - 2021
- UZUNER U., ÇANAĞCI S., Project Supported by Higher Education Institutions, Bacillus halodurans C-125 Bakterisinden Polifenol Oksidaz(POD) ve Heme-Bağımlı Peroksidaz Genlerinin Klonlanması, Ekspresyonu, Karakterizasyonu ve POD enziminin NMR-Tabanlı Glikosilasyon Analizi, 2018 - 2021
- UZUNER U., Project Supported by Higher Education Institutions, Antifungal Protein ve/veya Peptit Türevlerinin Tatlı Su ve/veya Denizel Mikroalg Konaklarında Hücre Dışı Üretimi, 2019 - 2020
- KALAY E., KILIÇ A. O., YENİLMEZ E., ALİYAZICIOĞLU Y., SERDAR B., DEMİRBAĞ Z., KADIOĞLU A., DEĞİRMENCİOĞLU İ., DEMİR İ., KUTRUP B., et al., Project Supported by Higher Education Institutions, Karadeniz Teknik Üniversitesi Lazer Taramalı Konfokal Mikroskop Ünitesinin Kurulması, 2018 - 2019
- UZUNER U., SAĞLAM A., ÇELİK UZUNER S., İNAN BEKTAŞ K., MURATOĞLU H., GÜLER H. İ., Project Supported by Higher Education Institutions, FEN FAKÜLTESİ MOLEKÜLER BİYOLOJİ VE GENETİK BÖLÜMÜ BİTKİ BİYOTEKNOLOJİSİ LABORATUARININ MİKROALG ARAŞTIRMALARINA DÖNÜK OLARAK YAPILANDIRILMASI, 2016 - 2018
- ÇELİK UZUNER S., İNAN K., MURATOĞLU H., SAĞLAM A., UZUNER U., Project Supported by Higher Education Institutions, FEN FAKÜLTESİ MOLEKÜLER BİYOLOJİ VE GENETİK BÖLÜMÜNÜN MEMELİ HÜCRE KÜLTÜRÜ ÇALIŞMALARI İÇİN

YAPILANDIRILMASI, 2015 - 2016

## Patent

Uzuner U., A HERBAL COMPOSITION COMPRISING ANTIFUNGAL PROTEIN DERIVATIVES, Patent, CHAPTER B Implementation of Operations; Transport, Standard Registration, 2022

## Activities in Scientific Journals

Turkish Journal of Botany, Editor, 2014 - 2014

## Memberships / Tasks in Scientific Organizations

Kappa Delta Pi (Honor Society), Member, 2012 - Continues

## Scientific Refereeing

JOURNAL OF PLANT NUTRITION, Journal Indexed in SCI-E, February 2024

JOURNAL OF PLANT BIOCHEMISTRY AND BIOTECHNOLOGY, Journal Indexed in SCI-E, January 2024

TURKISH JOURNAL OF BOTANY, National Scientific Refreed Journal, February 2023

JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, Journal Indexed in SSCI, September 2022

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, Journal Indexed in SCI-E, January 2022

Apiterapi ve Doğa Dergisi, National Scientific Refreed Journal, January 2018

Current Proteomics, SCI Journal, August 2016

Turkish journal of Botany, National Scientific Refreed Journal, September 2015

Botanical Journal of the Linnean Society, SCI Journal, June 2011

## Scientific Research / Working Group Memberships

Ca21134 Towards Zer0 Pesticide Agriculture : European Network For Sustainability (T0p-Agri-Network), Karadeniz Technical University, Turkey, <https://www.cost.eu/actions/CA21134/>, 2023 - Continues

Ca21162 - Establishing A Pan-European Network On Computational Redesign Of Enzymes (Cozyme), Belgium, <https://www.cost.eu/actions/CA21162/>, 2022 - Continues

Ca20101 - Plastics Monitoring Detection Remediation Recovery (Priority), Belgium, <https://www.cost.eu/actions/CA20101/>, 2022 - Continues

Ca19110 - Plasma Applications For Smart And Sustainable Agriculture (Plagri), University of Belgrade, Serbia, <https://www.cost.eu/actions/CA19110/#tabs|Name:overview>, 2020 - Continues

National Alliance for Advanced Biofuels and Bioproducts, Arizona State University, Arizona, USA, United States Of America, <http://www.algalbbb.com/profile-naabb.html>, 2010 - 2013

## Metrics

Publication: 55

Citation (WoS): 117

Citation (Scopus): 173

H-Index (WoS): 6



H-Index (Scopus): 8

## **Congress and Symposium Activities**

Eurasian Congress of Molecular Biotechnology (ECOMB 2019), Invited Speaker, Trabzon, Turkey, 2019  
Eurasian Congress of Molecular Biotechnology (ECOMB 2019), Attendee, Trabzon, Turkey, 2019  
22nd World Congress on Advances in Oncology and 20th International Symposium on Molecular Medicine, Attendee, Athens, Greece, 2017  
The Second Japan-Turkey International Symposium on Pharmaceutical and Biomedical Sciences - JATUSPAB-2", Attendee, Trabzon, Turkey, 2017  
European Biotechnology Congress 2018, Attendee, Dubrovnik, Croatia, 2017  
Ulusal Biyoloji Kongresi, Attendee, Eskisehir, Turkey, 2014  
Symposium on Biotechnology for Fuels and Chemicals, Attendee, New Orleans, Louisiana, USA, United States Of America, 2012  
The MidSouth Computational Biology and Bioinformatics Society, Attendee, Jonesboro, Arkansas, USA, United States Of America, 2010  
Ulusal Biyoloji Kongresi, Attendee, Kusadasi, Aydin, Turkey, 2006

## **Awards**

Stabilization of Breathing Air of Livestock and Poultry Systems and its Use in Algae Cultivation, Teknofest Isif-2024, October 2024  
TEKNOFEST ISIF-2023, Teknofest 2023, May 2023  
3rd Place In the Royal Academy of Engineer's Leaders in Innovation Fellowships final Pirch Session 2018/2019, Leaders Innovation Fellowship Program Of Royal Academy Of Engineering / Newton Fund, March 2019

## **Non Academic Experience**

Trabzon Teknoloji Gelistirme A.Ş. TEKNOKENT