

Prof. ELİF DEMİRKAN

Personal Information

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Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), Turkey 1989 - 1995

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji (YI) (Tezli), Turkey 1986 - 1988

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, Turkey 1982 - 1986

Dissertations

Doctorate, Alfa-Amilaz, üreten bazı bacillus suşlarının gelişme parametreleri, enzim özellik ve üretim koşullarının optimizasyonu, Ankara University, Institute Of Science, 1995

Postgraduate, Bacillus subtilis alfa-amilazı üretiminin değişik ortamlarda incelenmesi, Hacettepe University, Fen Bilimleri Enstitüsü, 1988

Research Areas

Industrial Biotechnology, Microbial Biotechnology

Academic Titles / Tasks

Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Biyoloji, 2012 - Continues

Assistant Professor, Canakkale Onsekiz Mart University, 2003 - 2004

Associate Professor, Ankara University, 2003 - 2003

Expert PhD, University of Maryland, Center for Advanced Research in Biotechnology (CARB), 2001 - 2003

Research Assistant, Ankara University, 1987 - 2003

Expert PhD, Kyoto University, The Research Institute For Food Science, 1996 - 1998

Academic and Administrative Experience

Head of Department, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Biyoloji, 2019 - Continues

Head of Department, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2016 - 2019

Fakülte Kurulu Üyesi, 2016 - 2019

Bursa Uludağ University, Fen-Edebiyat Fakültesi, 2013 - 2016

Bursa Uludağ University, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 2011 - 2014

Fakülte Yönetim Kurulu Üyesi, 2010 - 2012

Courses

Biyoteknolojiye Giriş, Doctorate, 2021 - 2022
Genel Mikrobiyolojide Uygulama Teknikleri, Postgraduate, 2020 - 2021
Mikrobiyal Fizyoloji, Postgraduate, 2019 - 2020
Bitirme Tezi, Undergraduate, 2020 - 2021
Y.lisans Uzmanlık Alan Dersi, Postgraduate, 2020 - 2021
Hücre Moleküler Biyolojisi, Postgraduate, 2020 - 2021
Doktora Uzmanlık Alan Dersi, Doctorate, 2020 - 2021
Endüstriyel Mikrobiyoloji, Undergraduate, 2019 - 2020
Modern Biyokimya Lab.Tekniklerine Giriş, Postgraduate, 2019 - 2020
Biyolojik Makromoleküller, Doctorate, 2019 - 2020
Gen Ekspresyonunun Düzenlenmesi , Doctorate, 2020 - 2021
Enzimolojinin Esasları Ve Endüstriyel Enzimler Enzimler, Doctorate, 2019 - 2020
Moleküler Biyoloji, Undergraduate, 2019 - 2020
Bakteri Fizyolojisi, Undergraduate, 2019 - 2020
Enzim Teknolojisi, Undergraduate, 2019 - 2020
Biyoteknoloji, Undergraduate, 2019 - 2020
Endüstriyel Enzimoloji, Undergraduate, 2018 - 2019

Advising Theses

DEMİRKAN E., Antimicrobial activities against some pathogen bacteria of Bacillus species strains, effect of the certain nutritional and physical parameters on the production of antimicrobial substances, partial purification and characterization, Doctorate, A.USTA(Student), 2017
DEMİRKAN E., Immobilization studies of commercial protease and raw protease from bacillus subtilis E 6-5 strain on nanofibers containing different aminoacids, Postgraduate, B.ENES(Student), 2017
DEMİRKAN E., AYKUT Y., Electrochemically determination of specific nucleic acid sequences hybridization on the nanofiber coated pencil graphite biosensor surface, Doctorate, N.ALADAĞ(Student), 2016
DEMİRKAN E., Studies of strain improvement in Bacillus subtilis strain 168 E6-5 through UV mutation for over production of protease and optimization of growth medium, Postgraduate, M.PEKER(Student), 2016
DEMİRKAN E., Screening of phytase enzyme producing Bacillus sp. strains from soil and effect of nutritional factors on the production of phyase, Postgraduate, E.BAYGIN(Student), 2015
DEMİRKAN E., Cloning studies in E. coli of phytase gene from Bacillus megaterium EBD 9-1 strain isolated from soil, Postgraduate, B.ZEREN(Student), 2015
DEMİRKAN E., Partial purification and characterization of phytase enzyme from Bacillus sp. strains isolated from soil, Postgraduate, D.AKÇAKOCA(Student), 2014
DEMİRKAN E., Investigation of effect of the paraoxonase1 (lactonase) enzyme as an antimicrobial agent on quorum sensing related behaviors of pseudomonas aeruginosa, Doctorate, A.AYBEY(Student), 2014
DEMİRKAN E., Screening of antibiotic producing Bacillus sp. from soil, effect of some parameters on the production, and determination of relationship with sporulation, Postgraduate, A.USTA(Student), 2012
DEMİRKAN E., Investigation of physical factors affecting the α -amylase production by Bacillus sp. strain isolated from the soil, Postgraduate, M.BAŞKURT(Student), 2012
DEMİRKAN E., Protease production, partial purification and characterization from Bacillus sp. isolated from Turkish soil, Postgraduate, N.SEVİNÇ(Student), 2010
DEMİRKAN E., Investigation of hydrolysis abilities of the immobilized Bacillus amyloliquefaciens α -amylase on the various starch sources, Postgraduate, S.DİNÇBAŞ(Student), 2009

Jury Memberships

Appointment Academic Staff, Appointment Academic Staff, Balıkesir Üniversitesi, December, 2020

Appointment Academic Staff, Appointment Academic Staff, Kırıkkale Üniversitesi, November, 2020
Doctorate, Doctorate, Bursa Uludağ Üniversitesi, August, 2020
Appointment Academic Staff, Appointment Academic Staff, Kırklareli Üniversitesi, August, 2020
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, June, 2020
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, June, 2020
Associate Professor Exam, Associate Professor Exam, İnönü Üniversitesi, February, 2020
Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, January, 2020

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Investigation of effects of protease enzyme produced by *Bacillus subtilis* 168 E6-5 and commercial enzyme on physical properties of woolen fabric**
Demirkan E., Kut D., Sevgi T., Dogan M., Baygin E.
JOURNAL OF THE TEXTILE INSTITUTE, vol.111, no.1, pp.26-35, 2020 (Journal Indexed in SCI)
- II. **Optimization of Culture Medium for the Production and Partial Purification and Characterization of an Antibacterial Activity from *Brevibacillus laterosporus* Strain EA62**
Usta A. A. K. , DEMİRKAN E., CENGİZ M., SEVGİ T., Zeren B., Abdou M.
ROMANIAN BIOTECHNOLOGICAL LETTERS, vol.24, no.4, pp.705-713, 2019 (Journal Indexed in SCI)
- III. **Guanine oxidation signal enhancement in DNA via a polyacrylonitrile nanofiber-coated and cyclic voltammetry-treated pencil graphite electrode**
Tanik N. A. , DEMİRKAN E., AYKUT Y.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.118, pp.73-79, 2018 (Journal Indexed in SCI)
- IV. **Protease immobilization on cellulose monoacetate/chitosan-blended nanofibers**
DEMİRKAN E., Avci T., AYKUT Y.
JOURNAL OF INDUSTRIAL TEXTILES, vol.47, no.8, pp.2092-2111, 2018 (Journal Indexed in SCI)
- V. **Guanine oxidation signal enhancement in single strand DNA with polyacrylonitrile/polyaniline (PAN/PAni) hybrid nanofibers**
Cam E., Tanik N. A. , ÇERKEZ İ., DEMİRKAN E., AYKUT Y.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.135, no.3, 2018 (Journal Indexed in SCI)
- VI. **Cellulose monoacetate/polycaprolactone and cellulose monoacetate/polycaprolactam blended nanofibers for protease immobilization**
AYKUT Y., SEVGİ T., DEMİRKAN E.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.134, no.44, 2017 (Journal Indexed in SCI)
- VII. **Partial purification, characterization and wheat bran degradation studies of a new phytase from the *Bacillus megaterium* EBD 9-1 strain**
DEMİRKAN E., SEVGİ T., Akcakoca D., ERSOY F.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.42, no.3, pp.329-337, 2017 (Journal Indexed in SCI)
- VIII. **Synthesis and crystal structures of novel copper(II) complexes with glycine and substituted phenanthrolines: reactivity towards DNA/BSA and in vitro cytotoxic and antimicrobial evaluation**
Inci D., AYDIN R., VATAN Ö., SEVGİ T., YILMAZ D., ZORLU Y., YERLİ Y., ÇOŞUT B., DEMİRKAN E., ÇİNKİLİÇ N.
JOURNAL OF BIOLOGICAL INORGANIC CHEMISTRY, vol.22, no.1, pp.61-85, 2017 (Journal Indexed in SCI)
- IX. **Synthesis, crystal structure, stability studies, DNA/albumin interactions, and antimicrobial activities of two Cu(II) complexes with amino acids and 5-nitro-1,10-phenanthroline**
Inci D., AYDIN R., SEVGİ T., ZORLU Y., DEMİRKAN E.
JOURNAL OF COORDINATION CHEMISTRY, vol.70, no.3, pp.512-543, 2017 (Journal Indexed in SCI)
- X. **Inhibition of quorum sensing-controlled virulence factors in *Pseudomonas aeruginosa* by human serum paraoxonase**
Aybey A., DEMİRKAN E.
JOURNAL OF MEDICAL MICROBIOLOGY, vol.65, pp.105-113, 2016 (Journal Indexed in SCI)

- XI. **Screening of phytate hydrolysis *Bacillus* sp isolated from soil and optimization of the certain nutritional and physical parameters on the production of phytase**
DEMİRKAN E., Baygin E., Usta A.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.39, no.2, pp.206-214, 2014 (Journal Indexed in SCI)
- XII. **Immobilization of *B. amyloliquefaciens* alpha-amylase and comparison of some of its enzymatic properties with the free form**
DEMİRKAN E., Dinçbas S., Sevinc N., ERTAN F.
ROMANIAN BIOTECHNOLOGICAL LETTERS, vol.16, no.6, pp.6690-6701, 2011 (Journal Indexed in SCI)
- XIII. **Production, purification, and characterization of alpha-amylase by *Bacillus subtilis* and its mutant derivatives**
Demirkan E.
TURKISH JOURNAL OF BIOLOGY, vol.35, no.6, pp.705-712, 2011 (Journal Indexed in SCI)
- XIV. **Comparison of the chemical and thermal denaturation of proteins by a two-state transition model**
Ramprakash J., Doseeva V., Galkin A., Krajewski W., Muthukumar L., Pullalarevu S., Demirkan E., Herzberg O., Moul J., Schwarz F. P.
ANALYTICAL BIOCHEMISTRY, vol.374, no.1, pp.221-230, 2008 (Journal Indexed in SCI)
- XV. **Crystal structure of pullulanase: Evidence for parallel binding of oligosaccharides in the active site**
Mikami B., Iwamoto H., Malle D., Yoon H., Demirkan-Sarikaya E., Mezaki Y., Katsuya Y.
JOURNAL OF MOLECULAR BIOLOGY, vol.359, no.3, pp.690-707, 2006 (Journal Indexed in SCI)
- XVI. **X-ray crystallographic analysis of type I pullulanases from *Klebsiella pneumoniae* and *Bacillus subtilis***
Mikami B., Malle D., Yoon H., Demirkan-Sarikaya E., Iwamoto H., Katuya Y., Murata K., Utsumi S.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.62, 2006 (Journal Indexed in SCI)
- XVII. **Structural basis of a fungal galectin from *Agrocybe cylindracea* for recognizing sialoconjugate**
Ban M., Yoon H., Demirkan E., Utsumi S., Mikami B., Yagi F.
JOURNAL OF MOLECULAR BIOLOGY, vol.351, no.4, pp.695-706, 2005 (Journal Indexed in SCI)
- XVIII. **alpha-amylase from *B-amyloliquefaciens*: purification, characterization, raw starch degradation and expression in *E-coli***
Demirkan E., Mikami B., Adachi M., Higasa T., Utsumi S.
PROCESS BIOCHEMISTRY, vol.40, no.8, pp.2629-2636, 2005 (Journal Indexed in SCI)
- XIX. **Crystal structure of the YgfY from *Escherichia coli*, a protein that may be involved in transcriptional regulation**
Lim K., Doseeva V., Demirkan E., Pullalarevu S., Krajewski W., Galkin A., Howard A., Herzberg O.
PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS, vol.58, no.3, pp.759-763, 2005 (Journal Indexed in SCI)
- XX. **Determination of the bacteriocin-like substances produced by some lactic acid bacteria isolated from Turkish dairy products**
Aslim B., Yuksekdağ Z., Sarikaya E., Beyatlı Y.
LWT-FOOD SCIENCE AND TECHNOLOGY, vol.38, no.6, pp.691-694, 2005 (Journal Indexed in SCI)
- XXI. **X-ray structure of HI0817 from *Haemophilus influenzae*: Protein of unknown function with a novel fold**
Galkin A., Sarikaya E., Lehmann C., Howard A., Herzberg O.
PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS, vol.57, no.4, pp.874-877, 2004 (Journal Indexed in SCI)
- XXII. **Crystal structure of the YgfZ protein from *Escherichia coli* suggests a folate-dependent regulatory role in one-carbon metabolism**
Teplyakov A., Obmolova G., Sarikaya E., Pullalarevu S., Krajewski W., Galkin A., Howard A., Herzberg O., Gilliland G.
JOURNAL OF BACTERIOLOGY, vol.186, no.21, pp.7134-7140, 2004 (Journal Indexed in SCI)
- XXIII. **Novel structure and nucleotide binding properties of HI1480 from *Haemophilus influenzae*: A protein with no known sequence homologues**
Lim K., Sarikaya E., Galkin A., Krajewski W., Pullalarevu S., Shin J., Kelman Z., Howard A., Herzberg O.
PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS, vol.56, no.3, pp.564-571, 2004 (Journal Indexed in SCI)

- XXIV. **Structural insight into arginine degradation by arginine deiminase, an antibacterial and parasite drug target**
Galkin A., Kulakova L., Sarikaya E., Lim K., Howard A., Herzberg O.
JOURNAL OF BIOLOGICAL CHEMISTRY, vol.279, no.14, pp.14001-14008, 2004 (Journal Indexed in SCI)
- XXV. **Investigation of lipase production by a new isolate of *Aspergillus* sp.**
Cihangir N., Sarikaya E.
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY, vol.20, no.2, pp.193-197, 2004 (Journal Indexed in SCI)
- XXVI. **Purification and crystallization of alpha-amylases from mucoid and non-mucoid *B-amyloliquefaciens* strains**
Sarikaya E., Mikami B.
JOURNAL OF CRYSTAL GROWTH, vol.232, pp.418-420, 2001 (Journal Indexed in SCI)
- XXVII. **Comparison of degradation abilities of alpha- and beta-amylases on raw starch granules**
Sarikaya E., Higasa T., Adachi M., Mikami B.
PROCESS BIOCHEMISTRY, vol.35, no.7, pp.711-715, 2000 (Journal Indexed in SCI)
- XXVIII. **Structure of raw starch-digesting *Bacillus cereus* beta-amylase complexed with maltose**
Mikami B., Adachi M., Kage T., Sarikaya E., Nanmori T., Shinke R., Utsumi S.
BIOCHEMISTRY, vol.38, no.22, pp.7050-7061, 1999 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **IMMOBILIZATION OF *Bacillus subtilis* E6-5 PROTEASE AND COMMERCIAL PROTEASE IN NANOFIBRILS CONTAINING DIFFERENT AMINO ACIDS**
Guler B. E. , Demirkan E., Sevgi T.
TRAKYA UNIVERSITY JOURNAL OF NATURAL SCIENCES, vol.21, no.1, pp.39-45, 2020 (Journal Indexed in ESCI)
- II. **Gene Cloning Studies of A Novel Phytase From *Bacillus megaterium* EBD 9-1 Strain**
Zeren B., ERSOY F., DEMİRKAN E.
Journal of Applied Biological Sciences, vol.13, no.1, pp.6-10, 2019 (Refereed Journals of Other Institutions)
- III. **Türkiye topraklarından izole edilen *Bacillus* sp. suşlarının biyoremidasyonda kullanılma potansiyellerinin araştırılması**
DEMİRKAN E., SEVGİ T., Guler B. E. , Zeren B., Özalpar B., Abdou M.
Karaelmas Science and Engineering Journal, vol.9, no.1, pp.107-113, 2019 (Other Refereed National Journals)
- IV. **Strain Improvement by UV Mutagenesis for Protease Overproduction from *Bacillus subtilis* E6-5 and Nutritional Optimization**
DEMİRKAN E., SEVGİ T., Gokoz M., Guler B., Zeren B., Özalpar B., Abdou M.
Journal of Biological and Environmental Sciences., 2018 (Refereed Journals of Other Institutions)
- V. **Optimization of Physical Factors Affecting the Production of the Amylase from a Newly Isolated *Bacillus* sp M10 Strain**
DEMİRKAN E., SEVGİ T., Başkurt M.
Karaelmas Fen Mühendislik Dergisi, vol.6, no.2, pp.1-8, 2016 (Other Refereed National Journals)
- VI. **Inhibition of *Pseudomonas aeruginosa* biofilm formation and motilities by human serum paraoxonase (hPON1)**
Aybey A., DEMİRKAN E.
AIMS MICROBIOLOGY, vol.2, no.4, pp.388-401, 2016 (Journal Indexed in ESCI)
- VII. **Optimization of Phytase Production by New Isolate *Bacillus* sp. EBD 9-1 Strain using Statistical Experimental Design**
MURAT D., DEMİRKAN E., SEVGİ T., Baygın E.
Journal of Biological and Environmental Sciences, vol.9, no.26, pp.93-100, 2015 (Refereed Journals of Other Institutions)
- VIII. **Optimization of Phytase Production by New Isolate *Bacillus* sp EBD 9 1 Strain using Statistical Experimental Design 2015 9 26 93 100**

MURAT D., DEMİRKAN E., SEVGİ T., Baygın E.

U.U J. BIOL. ENVIRON. SCI., vol.9, no.26, pp.93-100, 2015 (Other Refereed National Journals)

- IX. **Effects of Psychotropic Drugs as Bacterial Efflux Pump Inhibitors on Quorum Sensing Regulated Behaviors**
Aybey A., Usta A., DEMİRKAN E.
J Microbiol Biotech Food Sci., vol.4, no.2, pp.128-131, 2014 (Refereed Journals of Other Institutions)
- X. **The Effect of Growth Parameters on the Antibiotic Activity and Sporulation in Bacillus spp Isolated from Soil**
Usta A., DEMİRKAN E.
Journal of Microbiology, Biotechnology and Food Sciences., vol.2, no.5, pp.2310-2313, 2013 (Refereed Journals of Other Institutions)
- XI. **Production of Protease by Bacillus sp N 40 Isolated from Soil and Its Enzymatic Properties** 5 14 95 103
Sevinç N., DEMİRKAN E.
U.U. Journal of Biological and Environmental Sciences, vol.5, no.14, pp.95-103, 2011 (Other Refereed National Journals)
- XII. **Comparison of Hydrolysis Abilities onto Soluble and Commercial Raw Starches of Immobilized and Free B amyloliquefaciens amylase** 4 11 87 95
Dinçbaş S., DEMİRKAN E.
U.U. Journal of Biological and Environmental Sciences., vol.4, no.11, pp.87-95, 2010 (Other Refereed National Journals)
- XIII. **Bacillus subtilis amilaz Enziminin Nişasta Granüllerine Etkisinin Taramalı Elektron Mikroskobu ile İncelenmesi**
DEMİRKAN E.
U. Ü. Ziraat Fakültesi Dergisi, vol.23, pp.13-19, 2009 (Other Refereed National Journals)
- XIV. **Increase of the Amylase Yield by Some Bacillus Strains**
DEMİRKAN E., Velittin G.
Turkish Journal of Biology, vol.24, pp.299-308, 2000 (Other Refereed National Journals)
- XV. **Determination of Starch Hydrolysis Splits by Bacillus Amylase Enzyme Depend on Time**
DEMİRKAN E.
Biyoteknoloji, vol.24, no.2, pp.15-19, 2000 (Other Refereed National Journals)
- XVI. **Mutajenik Ajanların Kullanımı ile Bazı Bacillus Suşlarından Amilaz Üretimi Arttırılmış Mutantların Elde Edilmesi**
DEMİRKAN E.
Biyoteknoloji (KUKEM), vol.22, no.2, pp.27-34, 1999 (Other Refereed National Journals)
- XVII. **Trichoderma viride den Sellulaz II B formunun X Işını Kırınım Analizi için Kristallizasyon Çalışmaları**
DEMİRKAN E., Bunzo M.
Turkish Journal of Biochemistry, vol.23, no.3, pp.3-5, 1998 (Other Refereed National Journals)
- XVIII. **Karbon Azot ca Zengin Ortamlarda Bacillus Amilaz Üretimi ve Amilaz ile Proteaz Üretimi Arasındaki İlişkinin Araştırılması**
DEMİRKAN E., Velittin G.
KÜKEM Dergisi, vol.21, no.3, pp.49-54, 1998 (Other Refereed National Journals)
- XIX. **Enterobacter İdentifikasyonunda Birleştirilmiş Testler Üzerine Bir Araştırma**
DEMİRKAN E., Doğan H., HALKMAN A.
Gıda, vol.21, no.6, pp.431-434, 1996 (Other Refereed National Journals)
- XX. **Bacillus subtilis Kültürüne Mikrotaşıyıcıların Uygulanması**
DEMİRKAN E., çervin ç.
Mikrobiyoloji Bulteni, vol.24, no.2, pp.140-143, 1990 (Other Refereed National Journals)
- XXI. **Morfin Sülfatın Fare Derisi ve Mezenterindeki Mast Hücreleri Üzerine Etkisi**
DEMİRKAN E., YİĞİT N., ÖZLÜK A.
H.Ü Tıp Fak. Fizioloji Bülteni, vol.2, no.3, pp.115-121, 1990 (Other Refereed National Journals)

XXII. Investigation of Alpha Amylase Production from Bacillus subtilis in Different Media

DEMİRKAN E., sarıkaya e., çırakoğlu ç.

Commun. Fac. Sci. Univ. Ank Series C, vol.7, pp.31-37, 1989 (Other Refereed National Journals)

Books & Book Chapters

I. Moleküler Biyolojinin Temelleri

DEMİRKAN E.

Dora yayıncılık, Bursa, 2018

Patent

Demirkan E., Aydođdu E. B. , Ince E., SiO₂ içerikli eserlerin restorasyonunda bakterilerin kullanımı, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: 2015/11120 , Initial Registration, 2015

Activities in Scientific Journals

Asian Journal of Biotechnology and Bioresource Technology, Committee Member, 2017 - Continues

International Journal of Biochemistry and Physiology, Committee Member, 2017 - Continues

Scientific Refereeing

Journal of Pure and Applied Microbiology, Journal Indexed in ESCI, December 2020

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, SCI Journal, March 2020

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, SCI Journal, February 2020

Citations

Total Citations (WOS):741

h-index (WOS):15

Scholarships

Yapısal Genom Projesi, University, 2001 - 2003

sellulaz, pullulunaz, β-amilaz enzimleri ile prolamin ve lektin proteinlerinin kristallize edilmeleri ve X-ışını kırınım analizi ile 3-boyutlu yapılarının ortaya çıkarılması, Official Institutions of Foreign Countries, 1997 - 1998

Bazı Bacillus suşlarından α-amilaz enzimlerinin saflaştırılmaları, karakterize edilmeleri, alfa-amilaz geninin E. coli'de ifade edilmesi (gen expression) , kristallizasyonları ve X-ışını kırınım analizi ile 3-boyutlu yapılarının ortaya çıkarılması" ve ayrıca sellulaz, pullulunaz, β-amilaz enzimleri ile prolamin ve lektin proteinlerinin kristallize edilmeleri ve X-ışını kırınım analizi ile 3-boyutlu yapılarının ortaya çıkarılm, TUBITAK, 1996 - 1997