

AYŞENUR EMİNOĞLU

ASST. PROF.

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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-7495-2016

ScopusID: 56707465700

Yoksis Researcher ID: 55781

Learning Knowledge

Doctorate 2013 - 2018	Karadeniz Technical University, Fen Bilimleri Enstitüsü, Biyoloji/Moleküler Biyoloji, Turkey
Doctorate 2015 - 2017	Dartmouth College, Thayer School Of Engineering , Chemical And Biochemical Engineering / Energy Technologies , United States Of America
Postgraduate 2010 - 2012	Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, Biyoloji Anabilimdalı / Moleküler Biyoloji , Turkey
Postgraduate 2003 - 2004	Selcuk University, Institute Of Science, Ortaöğretim Fen Ve Matematik Alanları Eğitimi, Turkey
Undergraduate 1999 - 2003	Selcuk University, Fen Edebiyat Fakültesi, Biyoloji, Turkey

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Vocational Course, Bitki Biyoteknolojisinde DNA Markır Uygulamaları ve Gen İfadesi Analiz Yöntemleri, Ankara Üniversitesi Biyoteknoloji Enstitüsü, 2014

IT, Bilgisayar İşletmenliği, MEB, 2009

Dissertations

Doctorate, Modification of Hydrogen Metabolism for Improved Ethanol Production in Thermophilic Bacteria (İngilizce), Karadeniz Technical University, Fen Bilimleri Enstitüsü, BİYOLOJİ/ MOLKEÜLER BİYOLOJİ, 2018

Postgraduate, Anoxybacillus flavithermus WK1 AfCDA geninin klonlanması, ekspresyonu, saflaştırılması ve biyokimyasal

Academic Titles / Tasks

Assistant Professor 2022 - Continues	Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Biyoloji Bölümü
Research Assistant PhD 2018 - 2022	Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Biyoloji Bölümü
Research Assistant 2011 - 2018	Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Biyoloji Bölümü
Other 2015 - 2017	Dartmouth College, Thayer School Of Engineering / Chemical And Biochemical Engineering / Energy Technologies, Chemical And Biochemical Engineering / Environmental Engineering

Supported Projects

1. Eminoğlu A., Vural M. E., Yıldız C., Project Supported by Higher Education Institutions, ALLAH İnancının VMAT1/Slc18a1 ve VMAT2/Slc18a2 Gen Ekspresyonları Üzerine Etkisi ve Tek Nükleotid Polimorfizmlerinin (SNP) Belirlenmesi, 2024 - 2024
2. Eminoğlu A., Yılmaz A., Project Supported by Higher Education Institutions, Çay [Camellia sinensis (L.) O. Kuntze] Bitkisi ve Toprağı ile Etkileşimli, Fitohormon Degrade Eden Bakterilerin İzolasyonu ve Enzim Aktivitelerinin Belirlenmesi, 2024 - 2024
3. Yazıcı K., Eminoğlu A., Göksu B., Bakoğlu N., Güzel İzmirli Ş., Project Supported by Higher Education Institutions, ÇAY EĞİTİMİ İHTİSAS PROJESİ (ARAŞTIRMACI), 2020 - 2024
4. Yazıcı K., Akbulut M., Kalkışım Ö., Beriş F. Ş., Dinçer D., Şavşatlı Y., Güzel İzmirli Ş., Eminoğlu A., Polat A., Haznedar A., et al., TUBİTAK Project, Çay Bitkisi Gen Havuzunun Oluşturulması ve Ticari Çay Çeşit Adaylarının Belirlenmesi (TÜBİTAK 1007) (İŞ PAKETİ LİDERİ-ARAŞTIRMACI), 2019 - 2024
5. Eminoğlu A., Dönmez G., TUBİTAK Project, “Siyah Rize Çayına Dem Rengini Veren Maddelerin Miktarlarının Dem Rengi Üzerine Etkilerinin Tespit Edilmesi” (TÜBİTAK öğrenci Projesi) (DANIŞMAN), 2021 - 2022
6. Taşkın Kafa A. H., Eminoğlu A., Akın Polat Z., Project Supported by Higher Education Institutions, Acanthamoeba castellanii Beta-Glukosidaz (Aca1) geni cDNA’sının klonlanması, 2018 - 2020
7. Eminoğlu A., Olson D. G., R. Lynd L., Other International Funding Programs, Metabolic Engineering of Cellulolytic Microbes for Production of Biofuels (ARAŞTIRMACI), 2015 - 2017
8. Eminoğlu A., Aktürk Dizman Y., TUBİTAK Project, Camellia sinensis (L.) Kuntze (Çay) Bitkisine Ait Sitokrom P450 Monooksijenaz Geninin Klonlanması, Moleküler Karakterizasyonu ve Genetik Polimorfizminin Belirlenmesi (TÜBİTAK 1002) (YÜRÜTÜCÜ), 2014 - 2015
9. SANDALLI C., SEVİM E., EMİNOĞLU A., SARAL SARIYER A., Project Supported by Higher Education Institutions, polA Geni Açısından Mutant ve Yaban Tip Geobacillus thermoglicosidasius Hücrelerinde Büyüme Hızlarının Karşılaştırılması, 2011 - 2013
10. Sayaslan A., TUBİTAK Project, Farklı bölgelerde ana ürün koşullarında yetiştirilen melez atdışi mısır (Zea mays indentata L.) çeşitlerinin verim ve yaş öğütme kalitesinin belirlenmesi, 2009 - 2011

Awards

1. EMİNOĞLU A., UBYT Yayın Teşvik Ödülü, TÜBİTAK, April 2018

Scholarships

2214-A - Yurt Dışı Doktora Sırası Araştırma Bursu, Dartmouth College, Thayer School of Engineering, USA, TUBITAK, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

1. **SURVEY FOR THE PATHOGENIC CHYTRID FUNGI BATRACHOCHYTRIUM DENDROBATIDIS AND B. SALAMANDRIVORANS ON THE CAUCASIAN SALAMANDER IN NORTHEASTERN TURKEY**
Altunışık A., Gül S., Altunışık S., Eminoğlu A.
HERPETOLOGICAL CONSERVATION AND BIOLOGY, vol.16, no.3, pp.534-541, 2021 (SCI-Expanded)
2. **Molecular and in silico cloning, identification, and preharvest period expression analysis of a putative cytochrome P450 monooxygenase gene from Camellia sinensis (L.) Kuntze (tea)**
Eminoğlu A., Aktürk Dizman Y., Guzel Ş., Beldüz A. O.
TURKISH JOURNAL OF BIOLOGY, vol.42, no.1, pp.1-11, 2018 (SCI-Expanded)
3. **Deletion of the hfsB gene increases ethanol production in Thermoanaerobacterium saccharolyticum and several other thermophilic anaerobic bacteria**
Eminoğlu A., Murphy S. J., Maloney M., Lanahan A., Giannone R. J., Hettich R. L., Tripathi S. A., Beldüz A. O., Lynd L. R., Olson D. G.
BIOTECHNOLOGY FOR BIOFUELS, vol.10, 2017 (SCI-Expanded)
4. **Sulfonamide inhibition studies of the beta-carbonic anhydrase from the newly discovered bacterium Enterobacter sp B13**
Eminoğlu A., Vullo D., Asik A., Çolak D. N., Çanakçı S., Beldüz A. O., Supuran C. T.
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol.26, no.7, pp.1821-1826, 2016 (SCI-Expanded)
5. **Cloning, expression and biochemical characterization of a beta-carbonic anhydrase from the soil bacterium Enterobacter sp B13**
Eminoğlu A., Vullo D., Asik A., Colak D. N., Supuran C. T., Çanakçı S., Beldüz A. O.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.31, no.6, pp.1111-1118, 2016 (SCI-Expanded)
6. **Cloning, Purification and Characterization of Acetyl Xylane Esterase from Anoxybacillus flavithermus DSM 2641(T) with Activity on Low Molecular-Weight Acetates**
Eminoğlu A., Ulker S., Sandallı C.
PROTEIN JOURNAL, vol.34, no.4, pp.237-242, 2015 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

1. **Camellia sinensis (L.) Kuntze (Çay) Bitkisine Ait Sitokrom P450 Monooksijenaz Geninin Genetik Polimorfizminin Belirlenmesi**
EMİNOĞLU A., AKTÜRK DİZMAN Y., GÜZEL Ş.
1st International Plant Biology Congress (ICONBP), Konya, Turkey, 10 - 12 May 2018, vol.X
2. **Introducing thermophilic high ethanol-yielding producing pathways into Clostridium thermocellum**
Hon S., Olson D. G., Holwerda E., Murphy S. J., Tian L., Lanahan A., Maloney M., Zheng T., EMİNOĞLU A., Zhou J., et al.
39th Symposium on Biotechnology for Fuels and Chemicals (SBFC), San Fransisco, United States Of America, 1 - 12 May 2017, vol., pp.1
3. **Understanding the Role of HfsB in Clostridium thermocellum for Improved Ethanol Production**
EMİNOĞLU A., Olson D. G., Lynd R. L.

- 14th International Conference on the Genetics, Physiology and Synthetic Biology of Solvent- and Acid-forming Clostridia, Hanover Nh, United States Of America, 28 - 31 August 2016, vol.14, no.87, pp.62
4. **Heterologous expression of mutant Thermoanaerobacterium saccharolyticum hfs hydrogenase for improving Ethanol production in ?hydG?ech strain of Clostridium thermocellum**
EMİNOĞLU A., Olson D. G., Beldüz A. O., Lynd R. L.
5th International Molecular Biology and Biotechnology Congress' 2016, Üsküp, Macedonia, 25 - 29 August 2016, vol.1, no.1
5. **Understanding the role of the hfs hydrogenase in Thermoanaerobacterium saccharolyticum**
EMİNOĞLU A., Olson D. G., Lynd R. L.
2016 SIMB Annual Meeting and Exhibition, New Orleans, United States Of America, 24 - 28 July 2016, vol.1, no.11, pp.1
6. **Prolin-Kuyruğun Anoxybacillus sp. Litik Murein Transglikosilazın Optimum Sıcaklık ve pH'sı Üzerine Etkisi**
Ceylan E., EMİNOĞLU A., Güler H. İ., Kurnaz Z., Beldüz A. O.
Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Afyon, Turkey, 21 - 24 August 2015, vol.1, no.1, pp.64
7. **In silico Analysis and Comparative Modelling of Camellia sinensis Heat Shock Protein 70 (Hsp70)**
EMİNOĞLU A., Özer A.
3rd Molecular Biology and Biotechnology Congress, Bosna Hersek, Bosnia And Herzegovina, 2 June - 06 February 2014, vol.1, no.166, pp.220
8. **Expression and Zymogram Analysis of a β -class Carbonic Anhydrase from Enterobacter asburiae**
EMİNOĞLU A., Aşık A., Çolak D. N., Çanakçı S., Beldüz A. O.
3rd Molecular Biology and Biotechnology Congress, Bosna Hersek, Bosnia And Herzegovina, 2 June - 06 February 2014, vol.1, no.167, pp.219
9. **Anoxybacillus flavithermus WK1'den Ksilanaz/Kitin deasetilaz Geninin Klonlanması, Ekspresyonu, Saflaştırılması ve Enzimatik Karakterizasyonu**
EMİNOĞLU A., SANDALLI C.
21.Ulusal Biyoloji Kongresi, İzmir, Turkey, 3 - 07 September 2012, vol.21, pp.1357-1358

Courses

Genetik Mühendisliği, Undergraduate, 2022 - 2023
Nükleik Asitler ve Biyomühendislik, Postgraduate, 2022 - 2023
Mesleki İngilizce-III, Undergraduate, 2022 - 2023
Moleküler Biyoteknoloji, Postgraduate, 2022 - 2023
Moleküler Biyoloji, Undergraduate, 2022 - 2023
Biyoteknoloji, Undergraduate, 2021 - 2022
Biyoinformatik, Undergraduate, 2022 - 2023
Biyoproses Mühendisliği, Undergraduate, 2022 - 2023
Biyoinformatik Analizler, Postgraduate, 2022 - 2023
Bakterilerin Moleküler Genetiği, Postgraduate, 2022 - 2023
Moleküler Biyoloji Laboratuvarı, Undergraduate, 2022 - 2023

Advising Theses

Eminoğlu A., Vural M. E., ALLAH İnancının VMAT1/Slc18a1 ve VMAT2/Slc18a2 Gen Ekspresyonları Üzerine Etkisi ve Tek Nükleotid Polimorfizmlerinin (SNP) Belirlenmesi, Postgraduate, C.YILDIZ(Student), Continues
Eminoğlu A., Çay [Camellia sinensis (L.) O. Kuntze] Bitkisi ve Toprağı ile Etkileşimli, Fitohormon Degrade Eden Bakterilerin İzolasyonu ve Enzim Aktivitelerinin Belirlenmesi, Postgraduate, A.YILMAZ(Student), Continues

Patent

Eminoğlu A., Olson D. G., R. Lynd L., Increased ethanol production by thermophilic microorganisms with deletion of individual hfs hydrogenase subunits, Patent, CHAPTER A Human Needs, The Invention Registration Number: US10619172 , Standard Registration, 2020

Memberships / Tasks in Scientific Organizations

Bio4Life, Consultant, 2023 - Continues, Turkey

Scientific Refereeing

PARASITOLOGISTS UNITED JOURNAL, National Scientific Refreed Journal, November 2023

Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, November 2022

Project Supported by Higher Education Institutions, BAP Research Project, Hacettepe University, Turkey, October 2022

Recep Tayyip Erdoğan Üniversitesi Fen Ve Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, March 2021

Project Supported by Higher Education Institutions, BAP MSc, Akdeniz University, Turkey, December 2020

JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, National Scientific Refreed Journal, January 2020

Scientific Consultations

TÜBİTAK, Project Consultancy, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Biyoloji Bölümü, Turkey, 2021 - 2022

Tasks In Event Organizations

Eminoğlu A., Uluslararası Biyoçeşitlilik Araştırmaları Sempozyumu, Scientific Congress, Rize, Turkey, Kasım 2020

Scientific Research / Working Group Memberships

Çay ve Çay Ürünleri Uygulama ve Araştırma Merkezi, RECEP TAYYİP ERDOĞAN ÜNİVERSİTESİ, Türkiye,

<http://cay.idari.erdogan.edu.tr/>, 2018 - Continues

BioEnergy Science Center (BESC), US Department of Energy, Amerika Birleşik Devletleri,

<http://bioenergycenter.org/besc/>, 2016 - 2017

Metrics

Publication: 15

Citation (WoS): 34

Citation (Scopus): 39

H-Index (WoS): 4

H-Index (Scopus): 5

Congress and Symposium Activities

14th International Conference on the Genetics, Physiology and Synthetic Biology of Solvent- and Acid-forming Clostridia, Attendee, New Hampshire, United States Of America, 2016
14th International Conference on the Genetics, Physiology and Synthetic Biology of Solvent- and Acid-forming Clostridia, Attendee, New Hampshire, United States Of America, 2016
SIMB Annual Meeting and Exhibition, Attendee, Louisiana, United States Of America, 2016
Bioenergy Science Center (BESC) Science Retreat, Attendee, Tennessee, United States Of America, 2016
Bioenergy Science Center (BESC) Science Retreat, Invited Speaker, Tennessee, United States Of America, 2016
3rd Molecular Biology and Biotechnology Congress, Attendee, Sarajevo, Bosnia And Herzegovina, 2014
21. Ulusal Biyoloji Kongresi, Attendee, İzmir, Turkey, 2012

Research Areas

Biofuels, Biotechnology and Genetics, Molecular Biotechnology, Metabolic Engineering, Enzymology, Molecular Biochemistry, Bioinformatics, Biological Modelling, Biological Databases, Microbial Biotechnology, Molecular Biology and Genetics, Plant Molecular Genetics, Genetic Engineering, Neurobiology, Fermentation