

Asst. Prof. Bilgin Taşkın

Personal Information

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Education Information

Doctorate, Middle East Technical University, Fen Bilimleri Enstitüsü, Biyoteknoloji , Turkey 2005 - 2011

Post Graduate, Middle East Technical University, Fen Bilimleri Enstitüsü, Biyoteknoloji , Turkey 2002 - 2005

Under Graduate, Middle East Technical University, Fen Edebiyat Fakültesi, Biyoloji , Turkey 1998 - 2002

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Selective quantification of viable Escherichia coli cells in biosolids upon propidium monoazide treatment by quantitative PCR, Middle East Technical University, Fen Bilimleri Enstitüsü, Biyoteknoloji , 2011

Post Graduate, Effect of homologous multiple copies of aspartokinase gene on cephamycin C biosynthesis in Streptomyces clavuligerus, Middle East Technical University, Fen Bilimleri Enstitüsü, Biyoteknoloji , 2005

Research Areas

Agricultural Sciences, Agriculture, Life Sciences, Biotechnology, Microbial Biotechnology, Molecular Biology and Genetics, Microbial Genetics, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Van Yüzüncü Yil University, Ziraat Fakültesi, Tarımsal Biyoteknoloji, 2018 - Continues

Assistant Professor, Van Yüzüncü Yil University, Ziraat Fakültesi, Tarımsal Biyoteknoloji, 2016 - 2018

Research Assistant PhD, Ondokuz Mayıs University, Fen Edebiyat Fakültesi, Biyoloji , 2011 - 2016

Research Assistant, Middle East Technical University, Fen Edebiyat Fakültesi, Biyoloji , 2002 - 2011

Courses

Mikrobiyal Genetik ve Gen Regülasyonu, Under Graduate, 2018 - 2019

Genetik Mühendisliği, Post Graduate, 2018 - 2019

Mikrobiyal Biyoteknoloji, Post Graduate, 2016 - 2017, 2018 - 2019

Moleküler Genetik-II, Under Graduate, 2016 - 2017

Proteomik, Under Graduate, 2016 - 2017

Genetik Mühendisliği ve Uygulamaları, Post Graduate, 2016 - 2017
Genetiği Değiştirilmiş Organizmalar, Under Graduate, 2016 - 2017
Rekombinant DNA Teknolojisi, Under Graduate, 2016 - 2017
Sekonder Metabolitler, Under Graduate, 2016 - 2017

Advising Theses

Taşkın B., TAHİL BİTKİLERİNDEN İZOLE EDİLMİŞ OLAN ENDOFİT BAKTERİLERDE BİYOTEKNOLOJİK ÖNEME SAHİP BAZI ENZİMLERİN BELİRLENMESİ, Post Graduate, G.DOĞAN(Student), 2020

Jury Memberships

Doctoral Examination, Doktora Yeterlilik Sınav Jürisi, Van Yüzüncü Yıl Üniversitesi, December, 2019
Post Graduate, Tez Savunma Jürisi, Orta Doğu Teknik Üniversitesi, August, 2019
Post Graduate, Tez Savunma Jürisi, Van Yüzüncü Yıl Üniversitesi, May, 2019
Post Graduate, Tez Savunma Jürisi, Van Yüzüncü Yıl Üniversitesi, May, 2019
Post Graduate, Tez Savunma Jürisi, Dicle Üniversitesi, January, 2019
Doctorate, Tez Savunma Jürisi, Dicle Üniversitesi, January, 2019

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

- I. **Antibacterial activity of different kefir types against various plant pathogenic bacteria**
Taşkın B., Akköprü A.
Tarım Bilimleri Dergisi, vol.26, no.3, pp.316-323, 2020 (Journal Indexed in SCI)
- II. **Exploring the genetic variations and population structure of Turkish pepper (*Capsicum annum* L.) genotypes based on peroxidase gene markers**
Akyavuz R., Taşkın B., Koçak M., Yıldız M.
3 BIOTECH, vol.8, no.8, 2018 (Journal Indexed in SCI)
- III. **The effect of managing nutrients in the performance of anaerobic digesters of municipal wastewater treatment plants**
Demirer S. U. , Taskin B., Demirer G. N. , Duran M.
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, vol.97, no.17, pp.7899-7907, 2013 (Journal Indexed in SCI)
- IV. **High level multiple antibiotic resistance among fish surface associated bacterial populations in non-aquaculture freshwater environment**
Ozaktas T., Taskin B., GÖZEN A. G.
WATER RESEARCH, vol.46, no.19, pp.6382-6390, 2012 (Journal Indexed in SCI)
- V. **Selective Quantification of Viable *Escherichia coli* Bacteria in Biosolids by Quantitative PCR with Propidium Monoazide Modification**
Taskin B., GÖZEN A. G. , Duran M.
APPLIED AND ENVIRONMENTAL MICROBIOLOGY, vol.77, no.13, pp.4329-4335, 2011 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Kefiran Ekstraktının Bazı Bitki Patojeni Bakterilerine Karşı Antimikrobiyal Etkisinin Değerlendirilmesi**
Taşkın B.
Turkish Journal of Agriculture - Food Science and Technology, vol.8, no.4, pp.889-894, 2020 (Refereed Journals of Other Institutions)

- II. **Novel Approaches for Monitoring Viable Pathogenic Microorganisms in Environmental Samples**
Taşkın B.
YYÜ Journal of Agricultural Sciences, vol.27, no.2, pp.285-291, 2017 (International Refereed University Journal)
- III. **Homologous expression of aspartokinase (ask) gene in Streptomyces clavuligerus and its hom-
deleted mutant: Effects on cephamycin C production**
ÖZCENGİZ G., Okay S., Ünsaldı E., Taşkın B., LIRAS P., PIRET J.
Bioengineered Bugs, vol.1, no.3, pp.191-197, 2010 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Dizi Karşılaştırmaları ve Dizi-Temelli Veri Tabanı Aramaları**
Son Y. A. , Taşkın B.
in: Uygulamalı Biyoinformatik, Tunçer M., Ay H., Editor, Palme Yayınevi, Ankara, pp.35-49, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **Endophytes: New Opportunities for Biotechnological Applications**
Taşkın B., Solmaz F. G.
2nd International Symposium on Innovative Approaches in Scientific Studies, Samsun, Turkey, 30 November - 02 December 2018, pp.23
- II. **Alternative and Innovative Approaches for Controlling Crop Bacterial Diseases**
Taşkın B., Solmaz F. G.
2nd International Symposium on Innovative Approaches in Scientific Studies, Samsun, Turkey, 30 November - 02 December 2018, pp.24
- III. **In vitro Evaluation of Antimicrobial Activity of Kefir Products from Different Origins Against Various Plant Pathogens**
Taşkın B., Akköprü A.
International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, pp.24
- IV. **Effects of Forced Nutrient Recovery via Struvite Formation on Aceticlastic Methanogen Population Composition in Anaerobic Digesters**
Taşkın B., Uludag-Demirer S., Demirer G., Duran M.
Proceedings of the First International IWA Conference on Holistic Sludge Management, Vasteras, Sweden, 6 - 08 May 2013, pp.1
- V. **Management of nutrients combining recovery and removal with anaerobic digestion**
Uludag-Demirer S., Taşkın B., Duran M., Demirer G.
Netherlands Biotechnology Congress 14, Ede, Netherlands, 16 - 17 April 2012, pp.148
- VI. **Metabolic engineering of aspartate pathway for increased production of cephamycin C in Streptomyces clavuligerus**
Okay S., Ünsaldı E., Taşkın B., Kurt A., Piret J., Liras P., Özcengiz G.
BIOTECH METU 2009, International Symposium on Biotechnology: Developments and Trends, Ankara, Turkey, 27 - 30 October 2009, pp.99
- VII. **Isolation and identification of multiple antibiotic resistance bacteria from surface mucus of freshwater fish**
Özaktan T., Taşkın B., Gözen A. G.
3rd FEMS Congress of European Microbiologists, Gothenburg, Sweden, 28 June - 02 July 2009, pp.82
- VIII. **16s rRNA gene sequence analysis and partial biochemical characterization of the fish associated bacteria isolated from lake Mogan in Turkey**
Taşkın B., Solmaz G., Gözen A. G.
XII. International Congress of Bacteriology and Applied Microbiology, IUMS, İstanbul, Turkey, 5 August - 09 May

2008, pp.148

- IX. **Streptomyces clavuligerus'un parental suşunda ve homoserin dehidrogenaz bloke mutantında aspartokinaz geninin homolog çoklu kopyalarının sefamisin C üretimine etkisinin karşılaştırılması**
Taşkın B., Çaydaşı A. K. , Özcengiz G.
XV. Ulusal Biyoteknoloji Kongresi, Antalya, Turkey, 01 October 2007, pp.299
- X. **Aspartate pathway engineering for improving cephamycin C yields in S. clavuligerus**
Taşkın B., Çaydaşı A. K. , Yılmaz E. İ. , Özcengiz G.
2nd FEMS Congress of European Microbiologists, Madrid, Spain, 4 - 06 July 2006, pp.128
- XI. **Effect of homologous copies of ask gene on cephamycin C biosynthesis in Streptomyces clavuligerus**
Taşkın B., Tunca S., Özcengiz G.
31st FEBS Congress: Molecules in Health and Disease, İstanbul, Turkey, 24 - 29 June 2006, pp.325
- XII. **Streptomyces clavuligerus aspartokinaz (ask) geninin çoklu kopyalarının sefamisin C üretici organizmada oluşturulması için yaklaşımlar**
Taşkın B., Tunca S., Özcengiz G.
XIV. Ulusal Biyoteknoloji Kongresi, Erzurum, Turkey, 01 August 2005, pp.606

Supported Projects

Demir S., Rişvanlı M. R. , ÖZDEMİR B., Arvas Ö., Kaya İ., Zorer Çelebi Ş., Ekin Z., Akköprü A., Taşkın B., Erdinç Ç., et al.,
Project Supported by Higher Education Institutions, International Agricultural Science Congress, 2017 - 2018
Taşkın B., TÜBİTAK Project, Sefamisin C üreticisi Streptomyces clavuligerus'un homoserin dehidrogenaz geninin klonlanması, enzimin karakterizasyonu ve gen blokasyonunun antibiyotik üretimine etkisinin incelenmesi, 2004 - 2006

Scientific Refereeing

Project Supported by Higher Education Institutions, BAP MSc, Akdeniz University, Turkey, May 2020
Yüzüncü Yıl Üniversitesi Tarım Bilimleri Dergisi, National Scientific Refreed Journal, February 2020
Project Supported by Higher Education Institutions, February 2020
International Journal of Life Sciences and Biotechnology, National Scientific Refreed Journal, January 2020
Project Supported by Higher Education Institutions, November 2019
Yüzüncü Yıl Üniversitesi Tarım Bilimleri Dergisi, National Scientific Refreed Journal, June 2019
International Journal of Life Sciences and Biotechnology, National Scientific Refreed Journal, March 2019

Scientific Research / Working Group Memberships

EMBO (European Molecular Biology Organization) Çalışma Gurubu, TÜBİTAK, Turkey, 2019 - Continues

Citations

Total Citations (WOS):88
h-index (WOS):3