

Lect. PhD ZEYNEP DEMİR ÖKSÜZ

Personal Information

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Education Information

Doctorate, Gebze Technical University, Faculty Of Basic Sciences, Department Of Molecular Biology And Genetics, Turkey
2012 - 2019

Postgraduate, Gebze Technical University, Faculty Of Basic Sciences, Department Of Molecular Biology And Genetics,
Turkey 2009 - 2012

Undergraduate, Kütahya Dumlupınar University, FEN EDEBİYAT FAKÜLTESİ, BİYOLOJİ, Turkey 2005 - 2009

Dissertations

Doctorate, Effect of Lon protease on secondary metabolite production in *streptomyces coelicolor* A3(2), Gebze
Technical University, Faculty Of Basic Sciences, Department Of Molecular Biology And Genetics, 2019

Postgraduate, Relation between putative poly-β-hydroxybutyrate synthase gene (phaC) and antibiotic biosynthesis in
streptomyces coelicolor, Gebze Technical University, Institute Of Science, Molecular Biology and Genetics, 2012

Research Areas

Natural Sciences

Academic Titles / Tasks

Lecturer PhD, Karadeniz Technical University, Rektörlük, İLAÇ VE FARMASOTİK TEKNOLOJİ UYGULAMA VE ARAŞTIRMA
MERKEZİ, 2021 - Continues

Research Assistant, Gebze Technical University, Faculty Of Basic Sciences, Department Of Molecular Biology And
Genetics, 2015 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Heterologous expression of 8-demethyl-tetracenomycin (8-dmtc) affected *Streptomyces coelicolor* life cycle**
Cinar B., Demir Z., Tunca S.
BRAZILIAN JOURNAL OF MICROBIOLOGY, vol.52, no.3, pp.1107-1118, 2021 (SCI-Expanded)
- II. **Polyhydroxyalkanoate accumulation in *Streptomyces coelicolor* affected by SC07613 gene region**
Demir Oksuz Z., Doruk T., Yağcı N., Tunca Gedik S.
TURKISH JOURNAL OF BIOLOGY, vol.45, no.3, pp.275-286, 2021 (SCI-Expanded)
- III. **One Extra Copy of lon Gene Causes a Dramatic Increase in Actinorhodin Production by *Streptomyces***

coelicolor A3(2)

Demir Z., Bayraktar A., Tunca S.

CURRENT MICROBIOLOGY, vol.76, no.9, pp.1045-1054, 2019 (SCI-Expanded)

IV. Polyphosphate protects bacillus thuringiensis cells against reduced internal pH

Doruk T., Demir Z., Gedik S. T.

NEW BIOTECHNOLOGY, vol.29, 2012 (SCI-Expanded)

V. Relation between putative poly-beta-hydroxybutyrate synthase gene (phaC) and antibiotic biosynthesis in streptomyces coelicolor

Demir Z., Doruk T., Gedik S. T.

NEW BIOTECHNOLOGY, vol.29, 2012 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings**I. Antiproliferative effect of Astragaloside-IV in a cell culture model of psoriasis**

SEVGİ S., DEMİR ÖKSÜZ Z., GÜN E., BÜYÜKTAŞ A., ÇAKIR ÇOBAN C.

9th International BAU Drug Design Congress, İstanbul, Turkey, 29 November - 03 December 2023

II. Repositioning of trimetazidine: Effects in an in vitro model of psoriasis

Demirçi B., Gün E., Demir Öksüz Z., Sevgi S., Kaya Yaşar Y., Engin S., Dinçer T.

9th International BAU Drug Design Congress, İstanbul, Turkey, 29 November - 02 December 2023

III. An Extensive Study: Creation of A New Inverted Microscope Image Data Set and Improving Auto-Encoder Models for Higher Accuracy Segmentation of HaCaT Cell Culture Line

DOĞAN H., DEMİR ÖKSÜZ Z., SEZEN F. S., DOĞAN R. Ö.

5th International Congress on Human-Computer Interaction, Optimization and Robotic Applications., Turkey, 8 - 10 June 2023, pp.1-6

IV. Molecular mechanisms affecting secondary metabolite production in Streptomyces coelicolor

Bayraktar Kavalci A., DEMİR ÖKSÜZ Z., YILMAZ H., Demir G., TUNCA GEDİK S.

Üniversite, Trabzon, Turkey, 19 April 2019

V. The effect of one extra copy of lon protease gene on Streptomyces coelicolor

Bayaktar Kavalci A., Demir Ğ., DEMİR ÖKSÜZ Z., TUNCA GEDİK S.

International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 April 2018

VI. Comparison of antibiotic production profile of Streptomyces coelicolor M145 Δppk and Streptomyces coelicolor A3(2) Δppk

Demir G., Bayraktar A., Demir Öksüz Z., Doruk T., Tunca Gedik S.

International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018

VII. Heterologous expression of Streptomyces coelicolor A3(2) "relA" and "lon" genes in different Escherichia coli mutants

Yılmaz H., Cesur M., Demir Öksüz Z., Doruk T., Tunca Gedik S.

XVIII. International Symposium on the Biology of Actinomycetes (ISBA), Jeju-Si, South Korea, 23 - 27 May 2017

VIII. Relation between Lon protease enzyme and antibiotic production in Streptomyces coelicolor

Demir Öksüz Z., Tunca Gedik S.

3rd International Conference on Engineering and Natural Science (ICENS), Budapest, Hungary, 3 - 07 May 2017

Supported Projects

GEZE SAATÇİ Ş., SEVGİ S., ERDEMİR F., SERDAROĞLU V., DEMİR ÖKSÜZ Z., ÖZCAN K., ÇOBAN Ö., Project Supported by Higher Education Institutions, Pediyatrik anestezi premedikasyonunda pediyatrik kullanılmaya uygun midazolam nanopartikül oral film formülasyonlarının geliştirilmesi ve moleküler toksisitesinin incelenmesi, 2022 - Continues

DEMİR ÖKSÜZ Z., DİNÇER T., RENDA G., SEVGİ S., GÜN E., UZUN Ü., Project Supported by Higher Education Institutions, Tchihatchewia isatidea ekstrelerinin in vitro psoriasis modeli olarak HaCaT keratinositleri üzerindeki etkilerinin

incelenmesi, 2022 - Continues

Tunca Gedik S., TUBITAK Project, *Streptomyces coelicolor*'da Yüksek Antibiyotik Üretiminin Lon Proteaz'la İlişkisi, 2019 - 2021

Tunca Gedik S., TUBITAK Project, *Bacillus thuringiensis*'in BiyoİNSEKTİSİD (Endotoksin) ÜRETME KAPASİTESİNİN ARTtırılması
AMACIYLA FOSfat METABOLİZMASının DEĞİŞTİRİLMESİ, 2008 - 2010

Metrics

Publication: 13

Citation (WoS): 2

Citation (Scopus): 3

H-Index (WoS): 1

H-Index (Scopus): 1