

## Lect. PhD OSMAN TÜRKYILMAZ

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Bilecik Seyh Edebali University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji Ve Genetik (Dr) (Anadolu Üniv. Ortak), Turkey 2018 - 2024

Postgraduate, Erciyes University, Sağlık Bilimleri Enstitüsü, Biyoinformatik (YI) (Tezli), Turkey 2015 - 2017

Undergraduate, Bilecik Seyh Edebali University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, Turkey 2010 - 2014

### Dissertations

Doctorate, GENOMIC AND TRANSCRIPTOMIC ANALYSIS OF RESISTANCE MECHANISMS OF ESCHERICHIA COLI STRAINS WITH DIFFERENT LEVELS OF AMPICILLIN RESISTANCE, Bilecik Seyh Edebali University, Rektörlük, -, 2024

Postgraduate, İNSAN GENOMUNA AİT YENİ NESİL DİZİLEME VERİLERİNİN ANALİZİ İÇİN WEB TABANLI BİYİNFORMATİK ARAÇLARIN GELİŞTİRİLMESİ, Erciyes University, Sağlık Bilimleri Enstitüsü, Biyoinformatik (YI) (Tezli), 2017

### Research Areas

Life Sciences, Bioinformatics, Bacteriology, Genomics, Microbial Genetics

### Academic Titles / Tasks

Lecturer, Bilecik Seyh Edebali University, Rektörlük, -, 2019 - Continues

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

- Resistance mechanism of Escherichia coli strains with different ampicillin resistance levels**  
TÜRKYILMAZ O., DARCAN C.  
Applied Microbiology and Biotechnology, vol.108, no.1, pp.1-14, 2024 (SCI-Expanded)
- Synthesis, structural characterization and antimicrobial activities of cyclochlorotriphosphazene**

#### **derivatives derived from N-(1-Naphthyl)ethylenediamine**

TÜRE S., DARCAN C., TÜRKYILMAZ O., Kaygusuz Ö.

Phosphorus, Sulfur and Silicon and the Related Elements, vol.195, no.6, pp.507-515, 2020 (SCI-Expanded)

#### **III. DolphinNext: A distributed data processing platform for high throughput genomics**

Yukselen O., TÜRKYILMAZ O., Ozturk A. R., Garber M., Kucukural A.

BMC Genomics, vol.21, no.1, 2020 (SCI-Expanded)

#### **IV. The reactions of hexachlorocyclotriphosphazene with piperidine, N-(1-naphthyl)ethylenediamine and 2-(2-hydroxyethylamino)ethanol. Antimicrobial activities of iminodiethoxy-substituted cyclotriphosphazene derivatives**

Kaygusuz Ö., Çetin G., TÜRKYILMAZ O., DARCAN C., TÜRE S.

Phosphorus, Sulfur and Silicon and the Related Elements, vol.196, no.2, pp.95-105, 2020 (SCI-Expanded)

### **Articles Published in Other Journals**

#### **I. The Emergence and Preventability of Globally Spreading Antibiotic Resistance: A Literature Review**

Türkyılmaz O., Darcan C.

Pleiades Publishing Ltd, vol.13, no.6, pp.578-589, 2023 (Peer-Reviewed Journal)

#### **II. Overview of Next Generation Sequencing Technology**

DARCAN C., TÜRKYILMAZ O.

Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.5, no.1, pp.41-49, 2018 (Peer-Reviewed Journal)

### **Refereed Congress / Symposium Publications in Proceedings**

#### **I. Farklı Seviyelerde Ampisilin Dirençli Escherichia coli Suşlarının Bazı Metal ve Antibiyotiklere Karşı Duyarlılığının Araştırılması**

TÜRKYILMAZ O., DARCAN C.

12. Uluslararası Akademik Araştırmalar Kongresi (ICAR), Turkey, 19 - 20 December 2023

#### **II. Genomic and Transcriptomic Analysis of Resistance Mechanisms of Escherichia coli Strains with Different Levels of Ampicillin Resistance**

TÜRKYILMAZ O., DARCAN C.

11. Uluslararası Akademik Araştırmalar Kongresi (ICAR), Turkey, 25 - 26 July 2023

#### **III. DolphinNext: A graphical user interface for creating, deploying and executing Nextflow pipelines**

KÜÇÜKURAL A., GARBER M., YÜKSELEN O., TÜRKYILMAZ O., ÖZTÜRK A. R., GIRARD I., MARTIN R.

ABRF 2020, CA, United States Of America, 29 February 2020, vol.31

### **Supported Projects**

TÜRKYILMAZ O., DARCAN C., KAYGUSUZ İZGÖRDÜ Ö., Project Supported by Higher Education Institutions, Farklı

Seviyelerde Ampisilin Dirençli Escherichia coli Suşlarında VBNC Durumunun Araştırılması, 2024 - Continues

Türkyılmaz O., Darcan C., TUBITAK Project, Adaptif Olarak Direnç Kazandırılmış Escherichia coli'de ampC Promotor Mutasyonunun Etkisinin Doğrulanması, 2022 - 2023

Türkyılmaz O., Darcan C., TUBITAK Project, Farklı Seviyelerde Ampisilin Dirençli Escherichia coli Suşlarının Direnç Mekanizmalarının Genomik ve Transkriptomik Analizi, 2021 - 2023

TÜRKYILMAZ O., TUBITAK Project, YNS Multiplex PCR Kiti, 2016 - 2017