

# Dr. Öğr. Üyesi EVREN DORUK ENGİN

## Kişisel Bilgiler

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## Uluslararası Araştırmacı ID'leri

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## Eğitim Bilgileri

Doktora, Gazi Üniversitesi, Sağlık Bilimleri Enstitüsü, Mikrobiyoloji (Dr), Türkiye 2002 - 2008

Tıpta Uzmanlık, Hacettepe Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, Türkiye 1998 - 2003

Lisans, Hacettepe Üniversitesi, Tıp Fakültesi, Tıp Pr., Türkiye 1991 - 1997

## Yaptığı Tezler

Doktora, Antibiyotik etki mekanizmalarında "quorum sensing"ın rolü, Gazi Üniversitesi, Sağlık Bilimleri Enstitüsü, Mikrobiyoloji (Dr), 2008

## Araştırma Alanları

Mikrobiyoloji ve Klinik Mikrobiyoloji, Tibbi Mikrobiyoloji, Viroloji, İmmünoloji, Biyoinformatik, Biyoçeşitlilik, Biyoenformasyon, Biyolojik Modelleme, Biyolojik Veritabanları, Biyoreaktör, Endüstriyel Biyoteknoloji, Mikrobiyal Biyoteknoloji, Bakteriyoloji, İmmünoloji, Mikoloji, Parazitoloji, Viroloji, Mikrobiyal Genetik, Protein Mühendisliği, Matematik, Bilgisayar Bilimleri, İstatistik, İstatistik Analiz ve Uygulamaları

## Akademik Unvanlar / Görevler

Yrd.Doç.Dr., Ankara Üniversitesi, Biyoteknoloji Enstitüsü, Biyoteknoloji Anabilim Dalı, 2009 - Devam Ediyor

Yrd.Doç.Dr., Gazi Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2007 - 2009

Öğretim Görevlisi Dr., Gazi Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2004 - 2007

Araştırma Görevlisi, Hacettepe Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1998 - 2003

## Verdiği Dersler

Temel Biyoteknolojik Teknikler - 1, Yüksek Lisans, 2013 - 2014

Biyonesneler ile algoritma ve yazılım geliştirme, Doktora, 2013 - 2014

Biyoteknoloji için Mikrobiyoloji - 2, Doktora, 2013 - 2014

## **Yönetilen Tezler**

- ENGİN E. D., Yeşil floresan protein ifadeleyen escherichia coli hücre fabrikalarda fenotipik heterojenitenin adaptasyona etkisi, Yüksek Lisans, S.GÖZDE(Öğrenci), 2021
- ENGİN E. D., Özgün bir ışık kontrollü T7-promotoru-GFP ifade sisteminin geliştirilmesi ve GFP ifadesinin incelenmesi, Yüksek Lisans, E.SOYDEMİR(Öğrenci), 2019
- ENGİN E. D., Rekombinant insan insulin peptidinin bakteriyal ekspresyon sistemi kullanarak üretimi, Yüksek Lisans, C.CAN(Öğrenci), 2015
- ENGİN E. D., Rekombinant insan interferon gama peptidinin bakteri ekspresyon sistemleri kullanarak üretimi, Yüksek Lisans, P.KOLÇAK(Öğrenci), 2015
- ENGİN E. D., Quorum sensing in Escherichia coli'de antimikroiyal direncinden sorumlu mutasyonların oluşumundaki rolünün araştırılması, Yüksek Lisans, A.GÜLNAZ(Öğrenci), 2014
- ENGİN E. D., Escherichia coli'de heterolog rekombinant protein ekspresyonu sırasında oluşan stres yanıtının incelenmesi, Yüksek Lisans, D.MOLLA(Öğrenci), 2013

## **SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler**

- I. **Does lithium attenuate the liver damage due to oxidative stress and liver glycogen depletion in experimental common bile duct obstruction?**  
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Toxicology and Applied Pharmacology, cilt.466, 2023 (SCI-Expanded)
- II. **Effects of co-selection of antibiotic-resistance and metal-resistance genes on antibiotic-resistance potency of environmental bacteria and related ecological risk factors**  
ENGİN A. B., ENGİN E. D., Engin A.  
Environmental Toxicology and Pharmacology, cilt.98, 2023 (SCI-Expanded)
- III. **Can iron, zinc, copper and selenium status be a prognostic determinant in COVID-19 patients?**  
ENGİN A. B., ENGİN E. D., ENGİN A.  
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, cilt.95, 2022 (SCI-Expanded)
- IV. **The effect of environmental diesel exhaust pollution on SARS-CoV-2 infection: The mechanism of pulmonary ground glass opacity**  
POYRAZ B. M., ENGİN E. D., ENGİN A. B., ENGİN A.  
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, cilt.86, 2021 (SCI-Expanded)
- V. **The effect of environmental pollution on immune evasion checkpoints of SARS-CoV-2**  
ENGİN A. B., ENGİN E. D., Engin A.  
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, cilt.81, 2021 (SCI-Expanded)
- VI. **Bacterial Protein Kinases**  
ENGİN E. D.  
PROTEIN KINASE-MEDIATED DECISIONS BETWEEN LIFE AND DEATH, cilt.1275, ss.323-338, 2021 (SCI-Expanded)
- VII. **Dual function of sialic acid in gastrointestinal SARS-CoV-2 infection**  
ENGİN A. B., ENGİN E. D., Engin A.  
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, cilt.79, 2020 (SCI-Expanded)
- VIII. **Characterization of local SARS-CoV-2 isolates and pathogenicity in IFNAR(-/-) mice**  
Hanifehnezhad A., Kehribar E. S., Oztop S., Sheraz A., Kasirga S., Ergünay K., Onder S., Yilmaz E., Engin E. D., Oğuzoğlu T. Ç., et al.  
HELIYON, cilt.6, sa.9, 2020 (SCI-Expanded)
- IX. **Two important controversial risk factors in SARS-CoV-2 infection: Obesity and smoking**  
ENGİN A. B., ENGİN E. D., Engin A.  
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, cilt.78, 2020 (SCI-Expanded)
- X. **Universality of dissipative self-assembly from quantum dots to human cells**  
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NATURE PHYSICS, cilt.16, sa.7, ss.795-816, 2020 (SCI-Expanded)
- XI. **The use of multiplexing technology in the immunodiagnosis of infectious agents**

- ENGİN E. D.  
Journal of Immunoassay and Immunochemistry, cilt.40, sa.1, ss.109-122, 2019 (SCI-Expanded)
- XII. **Multilocus Sequence Analysis, Biofilm Production, Antibiotic Susceptibility and Synergy Tests of <i>Burkholderia</i> Species in Patients with and without Cystic Fibrosis**  
Akisoglu O., Engin D., SARIÇAM İNCE S., MÜŞTAK H. K., ŞENER B., Hascelik G.  
MIKROBIYOLOJİ BULTENİ, cilt.53, sa.1, ss.22-36, 2019 (SCI-Expanded)
- XIII. **Impact of glutamine on the effect of neopterin in methyl mercury-exposed neurons**  
ENGİN E. D., ENGİN A. B.  
PTERIDINES, cilt.29, sa.1, ss.104-113, 2018 (SCI-Expanded)
- XIV. **N-Methyl-D aspartate receptor-mediated effect on glucose transporter-3 levels of high glucose exposed-SH-SY5Y dopaminergic neurons**  
ENGİN A. B., ENGİN E. D., KARAKUŞ R., Aral A., GÜLBAHAR Ö., Engin A.  
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- XV. **Glutamate-mediated effects of caffeine and interferon-gamma on mercury-induced toxicity**  
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INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE, cilt.39, sa.5, ss.1215-1223, 2017 (SCI-Expanded)
- XVI. **Microbiota and Lipotoxicity**  
ENGİN E. D.  
OBESITY AND LIPOTOXICITY, ss.247-260, 2017 (SCI-Expanded)
- XVII. **Some properties of C-phycocyanin from a native strain <i>Anabaena affinis</i> isolated from Kovada Lake, Isparta, Turkey**  
AKOĞLU A., Engin D., Cakmakci M. L.  
INDIAN JOURNAL OF GEO-MARINE SCIENCES, sa.4, ss.539-545, 2015 (SCI-Expanded)
- XVIII. **Tryptophan Metabolites: A Microbial Perspective**  
ENGİN E. D.  
TRYPTOPHAN METABOLISM: IMPLICATIONS FOR BIOLOGICAL PROCESSES, HEALTH AND DISEASE, ss.75-94, 2015 (SCI-Expanded)
- XIX. **The role of interleukin-1 gene polymorphisms and Helicobacter pylori in gastroesophageal reflux disease**  
Akcil G., DOĞAN İ., Cengiz M., Engin E. D., DOĞAN Ö. M., Unal S., Cirak M. Y., DURSUN A.  
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- XX. **Influence of Cervitec gel on periodontal health of patients wearing fixed orthodontic appliances**  
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- XXI. **Differential identification of atypical pneumonia pathogens in aorta and internal mammary artery related to ankle brachial index and walking distance**  
İRİZ E., Cirak M. Y., ZOR M. H., Engin D., OKTAR G. L., ÜNAL Y.  
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- XXII. **PPAR-alpha agonist treatment increases trefoil factor family-3 expression and attenuates apoptosis in the liver tissue of bile duct-ligated rats**  
KARAKAN T., KEREM M., CİNDORUK M., Engin D., Alper M., Akin O.  
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- XXIII. **Investigation of the Presence of Disinfectant Resistance Genes qacA/B in Nosocomial Methicillin-Resistant Staphylococcus aureus Isolates and Evaluation of Their In Vitro Disinfectant Susceptibilities**  
Aykan S. B., ÇAĞLAR K., ENGİN E. D., Sipahi A. B., Sultan N., Cirak M. Y.  
MIKROBIYOLOJİ BULTENİ, cilt.47, sa.1, ss.1-10, 2013 (SCI-Expanded)
- XXIV. **Investigation of the presence of disinfectant resistance genes qacA/B in nosocomial methicillin-resistant Staphylococcus aureus isolates and evaluation of their in vitro disinfectant susceptibilities**  
Hastane enfeksiyonu etkeni olan metisiline dirençli Staphylococcus aureus suf larında qacA/B dezenfektan direnç genlerinin varlığı dezenfektanlara in vitro duyarlılıklarının araştırılması

- Aykan Ş. B., ÇAĞLAR K., ENGİN E. D., Sipahi A. B., BAYTAŞ S., Yalınay Cırak M.  
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- XXV. **Effect of N-acetyl cysteine, Neopterin and Dexamethasone on the Viability of Titanium dioxide Nanoparticles Exposed Cell Lines**  
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- XXVI. **Bacterial Adhesion and Colonization Differences Between Zirconium Oxide and Titanium Alloys: An In Vivo Human Study**  
Salihoglu U., Boynuegri D., Engin D., DUMAN A. N., Gokalp P., Balos K.  
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- XXVII. **Association of polymorphisms in the IL-18 and IL-12 genes with susceptibility to Type 1 diabetes in Turkish patients**  
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- XXVIII. **Topical N-acetylcysteine reduces interleukin-1-alpha in tear fluid after laser subepithelial keratectomy**  
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- XXIX. **The Comparison of Polymerase Chain Reaction Directed to the 529 bp Gene and the B1 Gene in the Detection of Experimental Mouse Toxoplasmosis**  
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- XXXI. **Identification of *Helicobacter* species by 16S rDNA PCR and sequence analysis in human liver samples from patients with various etiologies of benign liver diseases**  
CİNDORUK M., Cirak M. Y., Unal S., KARAKAN T., Erkan G., Engin D., Dumlu S., Turet S.  
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- XXXII. **Detection of *Helicobacter pylori* DNA in aortic and left internal mammary artery biopsies**  
İRİZ E., Cirak M. Y., Engin E. D., ZOR M. H., ERER D., ÖZDOĞAN M., Turet S., Yener A.  
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- XXXIII. **Infliximab "TNF-alpha antagonist" decreases intraabdominal adhesions**  
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- XXXIV. **Effects of atypical pneumonia agents on progression of atherosclerosis and acute coronary syndrome**  
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- XXXV. **Comparison of agar screening plates and double disk synergy method in detection of extended-spectrum beta-lactamase production**  
Uenaldi O., ENGİN E. D., Cirak M. Y.  
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- XXXVI. **"Evaluation of the *Helicobacter pylori* stool antigen test (HpSA) for the detection of *Helicobacter pylori* infection and comparison with other methods**  
Aksoy D., Aybar M., Ozaslan E., Kav T., ENGİN E. D., Ercis S., Altinok G., Hascelik G., Uzunalimoglu B., Arslan S.  
HEPATO-GASTROENTEROLOGY, cilt.50, sa.52, ss.1047-1049, 2003 (SCI-Expanded)
- XXXVII. **The cagA status of *Helicobacter pylori* isolates from dyspeptic children in Turkey**  
Saltik I., Demir H., Engin D., Ertunc O., Akyon Y., Kocak N.  
FEMS IMMUNOLOGY AND MEDICAL MICROBIOLOGY, sa.3, ss.147-149, 2003 (SCI-Expanded)

- XXXVIII. **Measles virus RNA in tonsils of asymptomatic children**  
 Anlar B., Ayhan A., Hotta H., Itoh M., Engin D., Barun S., Koseoglu O.  
*JOURNAL OF PAEDIATRICS AND CHILD HEALTH*, sa.4, ss.424-425, 2002 (SCI-Expanded)
- XXXIX. **Viral studies in the cerebrospinal fluid in subacute sclerosing panencephalitis**  
 Anlar B., Pinar A., Anlar F., Engin D., Ustacelebi S., Kocagoz T., Us D., Akduman D., Yalaz K.  
*JOURNAL OF INFECTION*, sa.3, ss.176-180, 2002 (SCI-Expanded)
- XL. **Does *Helicobacter pylori* cause bronchiectasis?**  
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*ACTA PAEDIATRICA*, sa.12, ss.1403, 2002 (SCI-Expanded)

### Diğer Dergilerde Yayınlanan Makaleler

- I. **Current opinion in neurological manifestations of SARS-CoV-2 infection**  
 ENGİN A. B., ENGİN E. D., ENGİN A.  
*CURRENT OPINION IN TOXICOLOGY*, cilt.25, ss.49-56, 2021 (ESCI)
- II. **Assessment of the immunogenicity and protective aspects of a dna vaccine targeting crimean congo hemorrhagic fever virus glycoprotein gc Kırım kongo kanamalı ateşi virüsü glikoprotein gc'yi hedef alan bir dna aşısının bağışıklık ve koruyuculuk sağlama özelliklerinin değerlendirilmesi**  
 Şahin E., ÇÖLERİ CİHAN A., Aligholipour Farzani T., Földes K., ENGİN E. D., ÖZKUL A.  
*Duzce Medical Journal*, cilt.23, sa.1, ss.66-75, 2021 (Scopus)
- III. **Diverse Responses of Neurons and Monocytes to Titanium Dioxide Nanoparticle Exposure**  
 ENGİN A. B., ENGİN E. D.  
*TURKISH JOURNAL OF IMMUNOLOGY*, cilt.7, sa.1, ss.40-49, 2019 (ESCI)

### Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Reappraisal of binary contradictions in methylmercury toxicity in neurons**  
 Engin A. B., ENGİN E. D., Karakisa D., Engin A.  
 57th Congress of the European-Societies-of-Toxicology (EUROTOX), Ljubljana, Slovenya, 10 - 13 Eylül 2023
- II. **The Microsatellite DNA Variation in the Honey Bee (*Apis mellifera L.*) Stocks of Breeder Farms in Turkey**  
 KAHYA Y., GENCER H. V., ENGİN E. D.  
 2 nd International Congress of the Turkish Journal of Agriculture - Food Science and Technology, Türkiye, 25 - 29 Kasım 2021
- III. **Effect of kynurenic acid and metformin on mercury-exposed SH-SY5Y cells**  
 Engin A. B., Karakisa D., Engin E. D.  
 54th Congress of the European-Societies-of-Toxicology (EUROTOX) - Toxicology Out of the Box, Brussels, Belçika, 2 - 05 Eylül 2018
- IV. **Bal Arısı (*Apis mellifera L.*) Populasyonlarına Yabancı Gen Akışının Belirlenmesinde Yeni Bir Yaklaşım**  
 KAHYA Y., GENCER H. V., ENGİN E. D., ÖZKUL A.  
 6. Ulusal Moleküler Biyoloji Ve Biyoteknoloji Kongresi, Türkiye, 5 - 07 Ekim 2017
- V. **Effects of glutamine, caffeine and interferon-gamma on mercury compounds-induced SH-SY5Y cytotoxicity**  
 Engin A. B., Engin E. D., Tsatsakis A. M., Golokhvast K.  
 14th International Congress of Toxicology in conjunction with the 10th Mexican Congress of Toxicology, Merida, Meksika, 2 - 09 Ekim 2016
- VI. **Peroxisome proliferator-activated alpha agonist treatment increases trefoil factor family 3 expression and attenuates apoptosis in the liver tissue of bile duct ligated rats**

Karakan T., Cindoruk M., Kerem M., Salman B., Engin D., Alper M., Akin O., ÜNAL S.

43rd Annual Meeting of the European-Association-for-the-Study-of-the-Liver, Milan, İtalya, 23 - 27 Nisan 2008

VII. **POLY(N-ISOPROPYLACRYLAMIDE) (PNIPAM) BASED NANOPARTICLES FOR IN VITRO PLASMID DNA DELIVERY**

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## Metrikler

Yayın: 51

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