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Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Mikrobiyoloji (Dr), Turkey 2002 - 2008

Expertise In Medicine, Hacettepe University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, Turkey 1998 - 2003

Undergraduate, Hacettepe University, Tıp Fakültesi, Tıp Pr., Turkey 1991 - 1997

Dissertations

Doctorate, Antibiyotik etki mekanizmalarında "quorum sensing" in rolü, Gazi University, Sağlık Bilimleri Enstitüsü, Mikrobiyoloji (Dr), 2008

Research Areas

Microbiology and Clinical Microbiology, Medical Microbiology, Virology, Immunology, Bioinformatics, Biodiversity, Biological Information, Biological Modelling, Biological Databases, Bioreactor, Industrial Biotechnology, Microbial Biotechnology, Bacteriology, Immunology, Mycology, Parasitology, Virology, Microbial Genetics, Protein Engineering, Mathematics, Computer Science, Statistics, Statistical Analysis and Applications

Academic Titles / Tasks

Assistant Professor, Ankara University, Biyoteknoloji Enstitüsü, Biyoteknoloji Anabilim Dalı, 2009 - Continues

Assistant Professor, Gazi University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2007 - 2009

Lecturer PhD, Gazi University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2004 - 2007

Research Assistant, Hacettepe University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1998 - 2003

Courses

Temel Biyoteknolojik Teknikler - 1, Postgraduate, 2013 - 2014

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

Biyoteknoloji için Mikrobiyoloji - 2, Doctorate, 2013 - 2014

ADVISING TNESES

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

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Does lithium attenuate the liver damage due to oxidative stress and liver glycogen depletion in experimental common bile duct obstruction?**
ENGİN A. B., Engin A., ENGİN E. D., Memis L.
Toxicology and Applied Pharmacology, vol.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, vol.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, vol.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, vol.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, vol.81, 2021 (SCI-Expanded)
- VI. **Bacterial Protein Kinases**
ENGİN E. D.
PROTEIN KINASE-MEDIATED DECISIONS BETWEEN LIFE AND DEATH, vol.1275, pp.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, vol.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., Yılmaz E., Engin E. D., Oğuzoğlu T. Ç., et al.
HELIYON, vol.6, no.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, vol.78, 2020 (SCI-Expanded)
- X. **Universality of dissipative self-assembly from quantum dots to human cells**
Makey G., Galioglu S., Ghaffaril R., ENGİN E. D., Yildirim G., Yavuz O., Bektas O., Nizam U. S., Akbulut O., ŞAHİN Ö., et al.
NATURE PHYSICS, vol.16, no.7, pp.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, vol.40, no.1, pp.109-122, 2019 (SCI-Expanded)
- XII. **Multilocus Sequence Analysis, Biofilm Production, Antibiotic Susceptibility and Synergy Tests of *Burkholderia* Species in Patients with and without Cystic Fibrosis**
Akisoglu O., Engin D., SARIÇAM İNCE S., MÜŞTAK H. K., ŞENER B., Hascelik G.
MIKROBİYOLOJİ BULTENİ, vol.53, no.1, pp.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, vol.29, no.1, pp.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.
FOOD AND CHEMICAL TOXICOLOGY, vol.109, pp.465-471, 2017 (SCI-Expanded)
- XV. **Glutamate-mediated effects of caffeine and interferon-gamma on mercury-induced toxicity**
ENGİN A. B., ENGİN E. D., Golokhvast K., Spandidos D. A., Tsatsakis A. M.
INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE, vol.39, no.5, pp.1215-1223, 2017 (SCI-Expanded)
- XVI. **Microbiota and Lipotoxicity**
ENGİN E. D.
OBESITY AND LIPOTOXICITY, pp.247-260, 2017 (SCI-Expanded)
- XVII. **Some properties of C-phycoerythrin from a native strain *Anabaena affinis* isolated from Kovada Lake, Isparta, Turkey**
AKOĞLU A., Engin D., Cakmakci M. L.
INDIAN JOURNAL OF GEO-MARINE SCIENCES, no.4, pp.539-545, 2015 (SCI-Expanded)
- XVIII. **Tryptophan Metabolites: A Microbial Perspective**
ENGİN E. D.
TRYPTOPHAN METABOLISM: IMPLICATIONS FOR BIOLOGICAL PROCESSES, HEALTH AND DISEASE, pp.75-94, 2015 (SCI-Expanded)
- XIX. **The role of interleukin-1 gene polymorphisms and Helicobacter pylori in gastroesophageal reflux disease**
Akçil G., DOĞAN İ., Cengiz M., Engin E. D., DOĞAN Ö. M., Unal S., Cirak M. Y., DURSUN A.
TURKISH JOURNAL OF GASTROENTEROLOGY, vol.25, pp.81-85, 2014 (SCI-Expanded)
- XX. **Influence of Cervitec gel on periodontal health of patients wearing fixed orthodontic appliances**
ÖZDEMİR B., Uraz A., İscan D., Bozkurt S., BALOŞ TUNCER B., Engin D., Pehlivan S., İscan H.
JOURNAL OF DENTAL SCIENCES, no.3, pp.265-271, 2014 (SCI-Expanded)
- 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.
JOURNAL OF SURGICAL RESEARCH, no.2, pp.537-541, 2013 (SCI-Expanded)
- 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.
TURKISH JOURNAL OF GASTROENTEROLOGY, no.2, pp.134-140, 2013 (SCI-Expanded)
- 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.
MIKROBİYOLOJİ BULTENİ, vol.47, no.1, pp.1-10, 2013 (SCI-Expanded)
- XXIV. **Investigation of the presence of disinfectant resistance genes qocA/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 qocA/B

dezenfektan direnç genlerinin varlığına dezenfektanlara in vitro duyarlılıklarının araştırılması

Aykan Ş. B., ÇAĞLAR K., ENGİN E. D., Sipahi A. B., BAYTAŞ S., Yalınay Cırak M.

Mikrobiyoloji Bulteni, vol.47, no.1, pp.1-10, 2013 (SCI-Expanded)

- XXV. **Effect of N-acetyl cysteine, Neopterin and Dexamethasone on the Viability of Titanium dioxide Nanoparticles Exposed Cell Lines**
ENGİN A. B., ENGİN E. D., KARAHALİL B.
PTERIDINES, vol.23, no.4, pp.111-122, 2012 (SCI-Expanded)
- 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.
INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS, no.1, pp.101-107, 2011 (SCI-Expanded)
- XXVII. **Association of polymorphisms in the IL-18 and IL-12 genes with susceptibility to Type 1 diabetes in Turkish patients**
Altinova A. E., Engin D., Akbay E., Akturk M., Toruner F., Ersoy R., Yetkin I., Arslan M.
JOURNAL OF ENDOCRINOLOGICAL INVESTIGATION, vol.33, no.7, pp.451-454, 2010 (SCI-Expanded)
- XXVIII. **Topical N-acetylcysteine reduces interleukin-1-alpha in tear fluid after laser subepithelial keratectomy**
Urgancioglu B., Bilgihan K., Engin D., Cırak M. Y., Hondur A., Hasanreisoglu B.
EUROPEAN JOURNAL OF OPHTHALMOLOGY, no.4, pp.554-559, 2009 (SCI-Expanded)
- XXIX. **The Comparison of Polymerase Chain Reaction Directed to the 529 bp Gene and the B1 Gene in the Detection of Experimental Mouse Toxoplasmosis**
Noral M. Y., DOĞRUMAN AL F., Engin E. D., Kustimur S., Babur C., POYRAZ A.
TÜRKİYE KLİNİKLERİ TIP BİLİMLERİ DERGİSİ, vol.29, no.1, pp.48-56, 2009 (SCI-Expanded)
- XXX. **Could the simplified $¹⁴C$ urea breath test be a new standard in noninvasive diagnosis of *Helicobacter pylori* infection?**
ÖZDEMİR E., KARABACAK N., Degertekin B., Cırak M., DURSUN A., Engin D., Unal S., ÜNLÜ M.
ANNALS OF NUCLEAR MEDICINE, no.7, pp.611-616, 2008 (SCI-Expanded)
- 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., Cırak M. Y., Unal S., KARAKAN T., Erkan G., Engin D., Dumlu S., Turet S.
EUROPEAN JOURNAL OF GASTROENTEROLOGY & HEPATOLOGY, no.1, pp.33-36, 2008 (SCI-Expanded)
- XXXII. **Detection of *Helicobacter pylori* DNA in aortic and left internal mammary artery biopsies**
İRİZ E., Cırak M. Y., Engin E. D., ZOR M. H., ERER D., ÖZDOĞAN M., Turet S., Yener A.
TEXAS HEART INSTITUTE JOURNAL, vol.35, no.2, pp.130-135, 2008 (SCI-Expanded)
- XXXIII. **Infliximab "TNF-alpha antagonist" decreases intraabdominal adhesions**
KURUKAHVECİOĞLU O., Koksa H., GÜLBAHAR Ö., ERDEM O. A., Engin D., Yazicioglu O., KEREM M., Taneri F.
SAUDI MEDICAL JOURNAL, no.12, pp.1830-1835, 2007 (SCI-Expanded)
- XXXIV. **Effects of atypical pneumonia agents on progression of atherosclerosis and acute coronary syndrome**
İRİZ E., Cırak M. Y., Engin E. D., ZOR M. H., ERER D., Imren Y., Turet S., Halit V.
ACTA CARDIOLOGICA, vol.62, no.6, pp.593-598, 2007 (SCI-Expanded)
- XXXV. **Comparison of agar screening plates and double disk synergy method in detection of extended-spectrum beta-lactamase production**
Uenalı O., ENGİN E. D., Cırak M. Y.
MİKROBİYOLJİ BÜLTENİ, vol.41, no.3, pp.369-376, 2007 (SCI-Expanded)
- 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, vol.50, no.52, pp.1047-1049, 2003 (SCI-Expanded)
- XXXVII. **The *cagA* status of *Helicobacter pylori* isolates from dyspeptic children in Turkey**
Saltık I., Demir H., Engin D., Ertunc O., Akyon Y., Kocak N.

FEMS IMMUNOLOGY AND MEDICAL MICROBIOLOGY, no.3, pp.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, no.4, pp.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, no.3, pp.176-180, 2002 (SCI-Expanded)

XL. **Does *Helicobacter pylori* cause bronchiectasis?**

Yalcin E., Ozcelik U., Engin D., Dogru D., Kiper N., Hascelik G.

ACTA PAEDIATRICA, no.12, pp.1403, 2002 (SCI-Expanded)

Articles Published in Other Journals

I. **Current opinion in neurological manifestations of SARS-CoV-2 infection**

ENGİN A. B., ENGİN E. D., ENGİN A.

CURRENT OPINION IN TOXICOLOGY, vol.25, pp.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, vol.23, no.1, pp.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, vol.7, no.1, pp.40-49, 2019 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

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, Slovenia, 10 - 13 September 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, Turkey, 25 - 29 November 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, Belgium, 2 - 05 September 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, Turkey, 5 - 07 October 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, Mexico, 2 - 09 October 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, Italy, 23 - 27 April 2008

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

ÖZDEMİR N., Tuncel A., DUMAN M., ENGİN E. D., Denkbaz E. B.

NATO Advanced Study Institute on Functionalized Nanoscale Materials, Devices and Systems for Chem-Bio Sensors, Photonics and Energy Generation and Storage, Sinaia, Romania, 4 - 15 June 2007, pp.325-326

Metrics

Publication: 51

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