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Education Information

Doctorate, University of Bristol, School Of Medical Sciences, Biochemistry, United Kingdom 1994 - 1998

Postgraduate, Firat University, Institute Of Science, Biyoloji, Turkey 1990 - 1992

Undergraduate, Firat University, Fen Edebiyat Fakültesi, Biyoloji, Turkey 1985 - 1989

Dissertations

Doctorate, OVERPRODUCTION OF THE ACTIVE LACTATE DEHYDROGENASE FROM PLASMODIUM FALCIPARUM OPENS A ROUTE TO OBTAIN NEW ANTIMALARIALS, University Of Bristol, School Of Medical Sciences, Biochemistry, 1998

Postgraduate, ELAZIĞ HARMANTEPE YÖRESİ TOPRAKLARININ MİKROORGANİZMA POPULASYONU ÜZERİNE BİR ARAŞTIRMA, Firat Üniversitesi, Fen Bilimleri Enstitüsü, Biyoloji, 1992

Research Areas

Health Sciences, Pharmacology and Therapeutics, Pharmaceutics Technology, Pharmaceutical Biotechnology, Life Sciences, Biotechnology, Natural Sciences

Academic Titles / Tasks

Professor, Yildiz Technical University, Kimya Metalürji Fakültesi, Biyomühendislik , 2012 - Continues

Associate Professor, Yildiz Technical University, Kimya Metalürji Fakültesi, Biyomühendislik , 2006 - 2012

Assistant Professor, Yildiz Technical University, Kimya Metalürji Fakültesi, Biyomühendislik , 2006 - 2006

Assistant Professor, Firat University, Fen Edebiyat , Biyoloji, 1998 - 2006

Research Assistant, Firat University, Fen Edebiyat , Biyoloji, 1992 - 1998

Academic and Administrative Experience

Vice Dean, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, 2010 - 2011

Vice Dean, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, 2008 - 2009

Fakülte Kurulu Üyesi, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, 2006 - 2009

Fakülte Yönetim Kurulu Üyesi, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL

ENGINEERING, 2006 - 2009

Deputy Head of Department, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING,
Department of Bioengineering, 2006 - 2007

Deputy Head of Department, Firat University, Faculty Of Science, Department Of Biology, 2001 - 2004

Supervised Theses

Derman S., Balık D., Utiliation of Micro and Nanotechnology In Diagnosis and Treatment, Doctorate, T.Gül(Student),
Continues

Balık D., Plasmodium vivax'ın LDH enziminin aktif bölge halkasının amino terminal ucunun analizi, Postgraduate,
B.ATMIŞ(Student), 2007

Balık D., Plasmodium vivax'da laktat dehidrogenaz enziminin aktif bölge halkası amino asitlerinin yönlendirilmiş
mutagenез çalışmalarıyla analizi, Postgraduate, D.SADAK(Student), 2006

Balık D., Plasmodium vivax'ın laktat dehidrogenaz enzimini kodlayan genin ifade edilerek ilgili proteinin saflaştırılması ve
analizlerinin yapılması, Postgraduate, A.ASLAN(Student), 2006

Balık D., Plasmodium falciparum'da laktat dehidrogenaz enziminin aktif bölge halkası amino asitlerinin site-directed
mutagenез çalışmaları ile analizi, Postgraduate, V.ÇELİK(Student), 2004

Balık D., Plasmodium vivax'ın laktat dehidrogenaz enzimini kodlayan geninin polimeraz zincir reaksiyonu ile izolasyonu
ve klonlanması, Postgraduate, E.AKBULUT(Student), 2003

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An in vitro assessment of ionizing radiation impact on the efficacy of radiotherapy for breast cancer**
Girgin M., Akat A., Akgül B., Nalbant N., Karaçetin D., ABAMOR E. Ş., Uğurel O. M., Turgut-Balık D.
Turkish Journal of Biochemistry, vol.49, no.6, pp.792-800, 2024 (SCI-Expanded)
- II. **Nonsmall-cell lung cancer treatment: current status of drug repurposing and nanoparticle-based drug delivery systems**
İnci T. G., DERMAN S., Turgut-Balık D.
Turkish Journal of Biology, vol.48, no.2, pp.112-132, 2024 (SCI-Expanded)
- III. **Synergistic combination of carvedilol, amlodipine, amitriptyline, and antibiotics as an alternative treatment approach for the susceptible and multidrug-resistant A. baumannii infections via drug repurposing**
Uğurel E., Turgut-Balık D.
European Journal of Clinical Microbiology and Infectious Diseases, vol.42, no.9, pp.1063-1072, 2023 (SCI-Expanded)
- IV. **Evaluation of in vitro immunostimulatory and cytotoxic effects of recombinant survivin protein in combination with doxorubicin and breast cancer antigen-loaded polycaprolactone nanoparticles**
Dinparvar S., ABAMOR E. Ş., Oztav S., Inci T. G., Ihlamur M., Baghirova M., Turgut-Balık D., Allahverdiyev A. M.
Nano Futures, vol.7, no.3, 2023 (SCI-Expanded)
- V. **Heterologous expression, biochemical characterisation and computational analysis of Bacteroides fragilis enolase**
Uğurel E., Kocer S., Sariyer E., MUTLU Ö., Inci T. G., Uğurel O. M., Turgut-Balık D.
Computational Biology and Chemistry, vol.98, 2022 (SCI-Expanded)
- VI. **Targeting SARS-CoV-2 Nsp12/Nsp8 interaction interface with approved and investigational drugs: anin silicostructure-based approach**
MUTLU Ö., Uğurel O. M., Sariyer E., ATA O., Inci T. G., Uğurel E., Kocer S., Turgut-Balık D.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.40, no.2, pp.918-930, 2022 (SCI-Expanded)
- VII. **Genomic chronicle of SARS-CoV-2: a mutational analysis with over 1 million genome sequences**
Uğurel O. M., ATA O., Turgut-Balık D.

TURKISH JOURNAL OF BIOLOGY, vol.45, no.4, pp.425-435, 2021 (SCI-Expanded)

- VIII. **Evaluation of the potency of FDA-approved drugs on wild type and mutant SARS-CoV-2 helicase (Nsp13)**
Ugurel O. M., MUTLU Ö., Sariyer E., Kocer S., Ugurel E., Inci T. G., ATA O., Turgut-Balik D.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.163, pp.1687-1696, 2020 (SCI-Expanded)
- IX. **Discovery and evaluation of inhibitory activity and mechanism of arylcoumarin derivatives on *Theileria annulata* enolase by in vitro and molecular docking studies**
Yakarsonmez S., DANIŞ Ö., MUTLU Ö., TOPUZOĞULLARI M., Sariyer E., Yuce-Dursun B., Turgut-Balik D.
MOLECULAR DIVERSITY, vol.24, no.4, pp.1149-1164, 2020 (SCI-Expanded)
- X. **An updated analysis of variations in SARS-CoV-2 genome**
Ugurel O. M., ATA O., Turgut-Balik D.
TURKISH JOURNAL OF BIOLOGY, vol.44, no.3, pp.157-167, 2020 (SCI-Expanded)
- XI. **Functional analyses of dipeptide and pentapeptide insertions on *Theileria annulata* enolase by site-directed mutagenesis and in silico approaches**
Yakarsonmez S., Cengiz E. C., MUTLU Ö., Turgut-Balik D.
BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS, vol.1867, pp.732-739, 2019 (SCI-Expanded)
- XII. **Inhibitory effects of arylcoumarin derivatives on *Bacteroides fragilis* D-lactate dehydrogenase**
Ugurel E., DANIŞ Ö., MUTLU Ö., Yuce-Dursun B., Gunduz C., Turgut-Balik D.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.127, pp.197-203, 2019 (SCI-Expanded)
- XIII. **A study of *Bos taurus* muscle specific enolase; biochemical characterization, homology modelling and investigation of molecular interaction using molecular docking and dynamics simulations.**
SARIYER E., YAKARSONMEZ S., DANIS O., Turgut-Balik D.
International journal of biological macromolecules, vol.120, pp.2346-2353, 2018 (SCI-Expanded)
- XIV. **Comprehensive structural analysis of the open and closed conformations of *Theileria annulata* enolase by molecular modelling and docking**
MUTLU Ö., YAKARSONMEZ S., Sariyer E., DANIŞ Ö., Yuce-Dursun B., Topuzogullari M., Akbulut E., Turgut-Balik D.
COMPUTATIONAL BIOLOGY AND CHEMISTRY, vol.64, pp.134-144, 2016 (SCI-Expanded)
- XV. **Comprehensive computational analysis of *Theileria annulata* enolase by comparative modeling and docking**
MUTLU Ö., YAKARSONMEZ S., Sariyer E., DANIŞ Ö., Dursun B. Y., TOPUZOĞULLARI M., Akbulut E., Turgut-Balik D.
NEW BIOTECHNOLOGY, vol.33, 2016 (SCI-Expanded)
- XVI. **Biochemical and in silico Characterization of Recombinant L-Lactate Dehydrogenase of *Theileria annulata***
Nural B., Erdemir A., Mutlu Ö., Yakarsonmez S., Danis Ö., Topuzogullari M., Turgut-Balik D.
MOLECULAR BIOTECHNOLOGY, vol.58, no.4, pp.256-267, 2016 (SCI-Expanded)
- XVII. **Cloning, Expression and Characterization of the Gene Encoding the Enolase from *Fusobacterium nucleatum***
Yakarsonmez S., Cayir E., Mutlu Ö., Nural B., Sariyer E., Topuzogullari M., Milward M. R., Cooper P. R., Erdemir A., Turgut-Balik D.
APPLIED BIOCHEMISTRY AND MICROBIOLOGY, vol.52, no.1, pp.23-30, 2016 (SCI-Expanded)
- XVIII. **Cloning of Intron-Removed Enolase Gene and Expression, Purification, Kinetic Characterization of the Enzyme from *Theileria annulata***
Cayir E., Erdemir A., Ozkan E., Topuzogullari M., Bolat Z. B., Akat A., Turgut-Balik D.
MOLECULAR BIOTECHNOLOGY, vol.56, no.8, pp.689-696, 2014 (SCI-Expanded)
- XIX. **Isolation, Cloning and Sequence Analysis of Enolase Enzyme Encoding Gene from *Theileria annulata* for Assessment of Important Residues of This Enzyme**
Akat A., Aktas M., Dumanli N., Turgut-Balik D.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.20, no.2, pp.243-248, 2014 (SCI-Expanded)
- XX. **Single Mutation in Shine-Dalgarno-Like Sequence Present in the Amino Terminal of Lactate Dehydrogenase of *Plasmodium* Effects the Production of an Eukaryotic Protein Expressed in a Prokaryotic System**

- Cicek M., Mutlu Ö., Erdemir A., Ozkan E., Saricay Y., Turgut-Balik D.
MOLECULAR BIOTECHNOLOGY, vol.54, no.2, pp.602-608, 2013 (SCI-Expanded)
- XXI. **Kinetic Analysis of the Amino Terminal End of Active Site Loop of Lactate Deyhydrogenase from Plasmodium Vivax**
MUTLU Ö., Turgut-Balik D.
BALKAN MEDICAL JOURNAL, vol.29, no.4, pp.364-369, 2012 (SCI-Expanded)
- XXII. **Isolation, cloning and sequence analysis of the lactate dehydrogenase gene from Theileria annulata may lead to design of new antitheilerial drugs**
Erdemir A., Aktas M., Dumanli N., Turgut-Balik D.
VETERINARNI MEDICINA, vol.57, pp.559-567, 2012 (SCI-Expanded)
- XXIII. **Homology modeling of mutant Plasmodium vivax lactate dehydrogenase**
MUTLU Ö., Turgut-Balik D.
NEW BIOTECHNOLOGY, vol.29, 2012 (SCI-Expanded)
- XXIV. **Effects of Electromagnetic Waves Emitted by Mobile Phones on Germination, Root Growth, and Root Tip Cell Mitotic Division of Lens culinaris Medik**
Akbal A., Kiran Y., ŞAHİN A., Turgut-Balik D., Balik H. H.
POLISH JOURNAL OF ENVIRONMENTAL STUDIES, vol.21, no.1, pp.23-29, 2012 (SCI-Expanded)
- XXV. **Effects of Electromagnetic Waves Emitted by mobile phones on germination, root growth and root tip cell mitotic division of Lens culinaris Medik**
Kiran Y., Sahin A., BALIK D., BALIK H.
Polish Journal of Environmental Studies, vol.21, no.1, pp.23-29, 2012 (SCI-Expanded)
- XXVI. **Regional Differences in the Amino Acid Sequences of Fasciola hepatica Cathepsin L2 From a Turkish Isolate**
Baspinar S., Celik V., Turgut-Balik D., Kaplan M.
BALKAN MEDICAL JOURNAL, vol.28, no.3, pp.269-273, 2011 (SCI-Expanded)
- XXVII. **Regional Differences in the Amino Acid Sequences of Fasciola hepatica Cathepsin L2 From Turkey Isolate**
BALIK D., Celik V., Turgut-Balik D.
Trakya Üniversitesi Tıp Fakültesi Dergisi, vol.28, no.3, pp.269-273, 2011 (SCI-Expanded)
- XXVIII. **TOTAL SEED STORAGE PROTEIN PATTERNS OF SOME LATHYRUS SPECIES GROWING IN TURKEY USING SDS-PAGE**
Emre I., Turgut-Balik D., Genc H., ŞAHİN A.
PAKISTAN JOURNAL OF BOTANY, vol.42, no.5, pp.3157-3163, 2010 (SCI-Expanded)
- XXIX. **Total seed storage protein patterns of some Lathyrus species grown in Turkey using SDS PAGE**
EMRE İ., BALIK D., GENÇ H., ŞAHİN A.
Pakistan Journal of Botany, vol.45, no.5, pp.3157-3163, 2010 (SCI-Expanded)
- XXX. **Ghrelin in plants: What is the function of an appetite hormone in plants?**
Aydin S., Geckil H., Zengin F., Ozercan H. I., Karatas F., Aydin S., Turgut-Balik D., Ozkan Y., Dagli F., Celik V.
PEPTIDES, vol.27, no.7, pp.1597-1602, 2006 (SCI-Expanded)
- XXXI. **Immuno-histochemical, pathological, enzyme linked immunosorbent assay and polymerase chain reaction analysis of experimental Ornithobacterium rhinotracheale infection in quails (Coturnix coturnix japonica)**
Eroksuz H., Ozbey G., Cevik A., Tarakci B., Turgut-Balik D.
REVUE DE MEDECINE VETERINAIRE, vol.157, no.4, pp.197-202, 2006 (SCI-Expanded)
- XXXII. **Analysis of active site loop amino acids of lactate dehydrogenase from Plasmodium vivax by site-directed mutagenesis studies**
Turgut-Balik D., Sadak D., Celik V.
DRUG DEVELOPMENT RESEARCH, vol.67, no.2, pp.175-180, 2006 (SCI-Expanded)
- XXXIII. **The Use of Seed Proteins Revealed by SDS-PAGE in Taxonomy of Some Lathyrus L Species Grown in Turkey**
BALIK D.

- Pakistan Journal of Biological Sciences, vol.9, no.12, pp.2358-2361, 2006 (SCI-Expanded)
- XXXIV. **Analysis of active site loop amino acids of enzyme lactate dehydrogenase from Plasmodium vivax by site-directed mutagenesis studies**
BALIK D.
DRUG DEVELOPMENT RESEARCH, no.67, pp.175-180, 2006 (SCI-Expanded)
- XXXV. **Structure of lactate dehydrogenase from Plasmodium vivax: Complexes with NADH and APADH**
Chaikuad A, Fairweather V, Connors R, Joseph-Horne T, Turgut-Balik D, Brady R.
BIOCHEMISTRY, vol.44, no.49, pp.16221-16228, 2005 (SCI-Expanded)
- XXXVI. **Plasmodium vivax ve Plasmodium falciparum un Laktat Dehidrogenaz Enzimini Kodlayan Genlerinin Nükleotid Düzeyinde Karşılaştırmalı Analizi**
Celik V., BALIK D.
TÜRKİYE PARAZİTOLOJİ DERGİSİ, vol.29, no.3, 2005 (SCI-Expanded)
- XXXVII. **Some ocular symptoms and sensations experienced by long term users of mobile phones**
Balik H. H., Turgut-Balik D., Balikci K, Ozcan I.
PATHOLOGIE BIOLOGIE, vol.53, no.2, pp.88-91, 2005 (SCI-Expanded)
- XXXVIII. **A survey study on some neurological symptoms and sensations experienced by long term users of mobile phones**
Balikci K, Ozcan I, Turgut-Balik D., Balik H. H.
PATHOLOGIE BIOLOGIE, vol.53, no.1, pp.30-34, 2005 (SCI-Expanded)
- XXXIX. **Overcoming cloning problems by staining agarose gels with crystal violet instead of ethidium bromide in lactate dehydrogenase gene from Plasmodium vivax and Plasmodium falciparum**
Turgut-Balik D., Celik V., Moreton K, Brady R.
ACTA BIOLOGICA HUNGARICA, vol.56, pp.389-397, 2005 (SCI-Expanded)
- XL. **Investigations on Ornithobacterium rhinotracheale in broiler flocks in Elazig province located in the East of Turkey**
Ozbey G., Ongor H., Turgut-Balik D., Celik V., Kilic A., Muz A.
VETERINARNI MEDICINA, vol.49, no.8, pp.305-311, 2004 (SCI-Expanded)
- XLI. **Cloning, sequence and expression of the lactate dehydrogenase gene from the human malaria parasite, Plasmodium vivax**
Turgut-Balik D., Akbulut E., Shoemark D., Celik V., Moreton K, Sessions R., Holbrook J., Brady R.
BIOTECHNOLOGY LETTERS, vol.26, no.13, pp.1051-1055, 2004 (SCI-Expanded)
- XLII. **Cloning and Sequence Analysis of Lactate Dehydrogenase Gene from Human Malaria Parasite Plasmodium vivax**
BALIK D., Akbulut E., Shoemark D., Celik V., Sessions R., Moreton R.
BIOTECHNOLOGY LETTERS, no.26, pp.1051-1055, 2004 (SCI-Expanded)
- XLIII. **Over-production of lactate dehydrogenase from Plasmodium falciparum opens a route to new antimalarials**
Turgut-Balik D., Shoemark D., Moreton K, Sessions R., Holbrook J.
BIOTECHNOLOGY LETTERS, vol.23, no.11, pp.917-921, 2001 (SCI-Expanded)
- XLIV. **Mutagenic exploration of the active site of lactate dehydrogenase from Plasmodium falciparum**
Turgut-Balik D., Shoemark D., Sessions R., Moreton K, Holbrook J.
BIOTECHNOLOGY LETTERS, vol.23, no.11, pp.923-927, 2001 (SCI-Expanded)
- XLV. **Determination of the DNA and amino acid sequences of lactate dehydrogenase gene from Plasmodium falciparum strains K1 and PF FCBP: A route to the design of new antimalarials**
BALIK D., Holbrook J.
TÜBITAK/DOĞA, Turkish Journal of Biology, no.25, pp.241-250, 2001 (SCI-Expanded)
- XLVI. **The structure of lactate dehydrogenase from Plasmodium falciparum reveals a new target for anti-malarial design**
Dunn C., Banfield M., Barker J., Higham C., Moreton K, Turgut-Balik D., Brady R., Holbrook J.
NATURE STRUCTURAL BIOLOGY, vol.3, no.11, pp.912-915, 1996 (SCI-Expanded)

Articles Published in Other Journals

- I. **Genotyping and Analysis of rs3771150 Polymorphism to Investigate an Association with Bronchopulmonary Dysplasia Incidence in Turkish Population**
AKAT A., SEMERÇİ S. Y., ERDEMİR A., ÇETİNKAYA M., BALIK D.
Istanbul Bilim University Florence Nightingale Journal of Medicine, vol.4, no.1, pp.16-21, 2018 (Peer-Reviewed Journal)
- II. **GENOTYPING AND ANALYSIS OF rs911271 POLYMORPHISM FORINTRACRANIAL ANEURYSM**
Erdemir A., Ozkan E., Turan Guner N., Selcuk H. H., Kara B., Baskin Y., Ellidokuz H., Balik H. H., Balik D.
Sigma Mühendislik ve Fen Bilimleri Dergisi, vol.6, no.1, pp.109-116, 2015 (Peer-Reviewed Journal)
- III. **GENOTYPING AND ANALYSIS OF rs27037 POLYMORPHISM FORANKYLOSING SPONDYLITIS**
Akbulut E., Erdemir A., Ozgen M., Baskin Y., Yalcin Gulec F., Balik D.
Sigma Mühendislik ve Fen Bilimleri Dergisi, vol.6, no.1, pp.117-125, 2015 (Peer-Reviewed Journal)
- IV. **GENOTYPING AND ANALYSIS OF rs7501939 POLYMORPHISM FORPROSTATE CANCER**
Ozkan E., Erdemir A., Torer B. D., Tasci A. I., Baskin Y., Ellidokuz H., Balik D.
Sigma Mühendislik ve Fen Bilimleri Dergisi, vol.6, no.1, pp.101-107, 2015 (Peer-Reviewed Journal)
- V. **Determination of Genetic Variations in Lathyrus L. Species Basedon SDS-PAGE Analyses of Seed Storage Proteins (Albumin,Globulin A, Glutelin)**
EMRE İ., BALIK D., GENÇ H., ŞAHİN A.
1308-9080, 2015 (Peer-Reviewed Journal)
- VI. **A Survey Study on Neurological Sysmptoms and Sensations Caused by Daily Use of Mobile Phones**
Balık H. H., Balıkçı K., Akbal A., Özcan İ. C., Balık D.
BU- Journal of Science and Technology,, vol.2, no.1, pp.67-75, 2008 (Peer-Reviewed Journal)
- VII. **A survey study on neurological symptoms and sensations caused by daily use of mobile phones**
BALIK H. H., BALIKÇI K., AKBAL A., OZCAN İ. C., BALIK D.
Beykent University- Journal of Science and Technology, vol.2, no.1, pp.67-75, 2008 (Peer-Reviewed Journal)
- VIII. **Electrophoretic analysis of total protein profiles of some Lathyrus L. (Sect. Cicercula) grown in Turkey**
Emre I., Turgut-Balik D., Sahin A.
Pakistan Journal of Biological Sciences, vol.10, no.17, pp.2890-2894, 2007 (Scopus)
- IX. **Total electrophoretic band patterns of some Onobrychis species growing in Turkey**
EMRE İ., BALIK D., ŞAHİN A., KURSAT M.
American-Eurasian Journal of Agriculture and Environmental Sciences, vol.2, no.2, pp.123-126, 2007 (Peer-Reviewed Journal)
- X. **Genetiği değiştirilmiş organizmalar GDO**
ÇELİK V., BALIK D.
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.23, no.1, pp.13-23, 2007 (Peer-Reviewed Journal)
- XI. **The use of seed proteins revealed by SDS-PAGE in taxonomy of some Lathyrus L. species grown in Turkey**
Emre I., Turgut-Balik D., Genc H., Sahin A.
Pakistan Journal of Biological Sciences, vol.9, no.12, pp.2358-2361, 2006 (Scopus)
- XII. **Antimicrobial activities and some fatty acids of turmeric ginger root and linseed used in the treatment of infectious diseases**
GÜR S., BALIK D., GÜR N.
World Journal of Agricultural Sciences, vol.2, no.4, pp.439-442, 2006 (Peer-Reviewed Journal)
- XIII. **Comparative analysis at the nucleotide level of the genes encoding the lactate dehydrogenase enzyme of Plasmodium vivax and Plasmodium falciparum**
AKBULUT E., ÇELİK V., BALIK D.
Türkiye Parazitoloji Dergisi, vol.29, no.3, 2004 (Peer-Reviewed Journal)
- XIV. **Sıtma Parazitlerinin Moleküler Biyolojisi**
BALIK D.

TÜRKİYE PARAZİTOLOJİ DERGİSİ, vol.25, no.4, pp.380-383, 2001 (Peer-Reviewed Journal)

- XV. **Elazığ Harmantepe yöresi topraklarının mikroorganizma popülasyonu üzerine bir araştırma**
BALIK D.

Fırat Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, 1994 (Peer-Reviewed Journal)

Books

- I. **Nature of the Gene**
Balik D., Erdemir A., Ozkan E., Akbulut E.
in: Schaum's Outlines Biology, Karataş M., Sadi G., Editor, Nobel Yayın Dağıtım, Ankara, pp.93-109, 2015
- II. **Genin Doğası**
BALIK D., ERDEMİR A., AKBULUT E., ÖZKAN E.
in: Schaum s Outlines Biology, Prof. Dr. Mehmet Karataş, Editor, Nobel Akademik Yayıncılık, pp.93-109, 2015
- III. **DNA Replication**
Balik D., Erdemir A.
in: Moleküler Biyoloji, Karataş M., Editor, Nobel Yayın Dağıtım, Ankara, pp.87-99, 2012
- IV. **DNA Replikasyonu**
BALIK D., ERDEMİR A.
in: Moleküler Biyoloji, Prof. Dr. Mehmet Karataş, Editor, Nobel Bilim ve Araştırma Merkezi Yayınları, pp.87-99, 2012
- V. **Mutasyonlar**
BALIK D., AKAT A.
in: Moleküler Biyoloji, Prof. Dr. Mehmet Karataş, Editor, Nobel Bilim ve Araştırma Merkezi Yayınları, pp.103-116, 2012

Papers Published in Refereed Scientific Meetings

- I. **Drug repositioning to identify SARS-CoV-2 Nsp12/Nsp8 interaction interface inhibitors.**
MUTLU Ö., UĞUREL O. M., SARIYER E., ATA O., İnci T. G., Uğurel E., KOÇER S., BALIK D.
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- II. **Identification of Fusobacterium nucleatum 1-deoxy-D-xylulose 5-phosphate Reductoisomerase Inhibitor Candidates by Molecular Docking Analyses**
KOÇER S., BALIK D.
Bio-Türkiye-International Biotechnology Congress, 5 - 07 March 2020
- III. **Investigation of Bacteroides fragilis Enolase Inhibitors Using in silico Methods**
Uğurel E., YAKARSÖNMEZ S., SARIYER E., MUTLU Ö., UĞUREL O. M., BALIK D.
Eurasian Congress of Molecular Biotechnology (ECOMB 2019), Trabzon, Turkey, 19 - 21 September 2019
- IV. **Evaluation of Plasmodium vivax and Theileria annulata LDH in Diagnosis**
İnci T. G., UĞUREL O. M., YAKARSÖNMEZ S., BALIK D.
Eurasian Congress of Molecular Biotechnology (ECOMB 2019), Trabzon, Turkey, 19 - 21 September 2019
- V. **Structural and Functional Analyses of Essential Metabolic Enzymes towards Structure-Based Drug Design**
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- VI. **Investigation of Bacteroides fragilis Enolase Inhibitors by in silico Methods**
Uğurel e., KOÇER S., SARIYER E., MUTLU Ö., UĞUREL O. M., BALIK D.
Eurasian Congress of Molecular Biotechnology (ECOMB 2019), 19 - 21 September 2019
- VII. **Plasmodium vivax LDH'Inın Tanı Kiti Geliştirilmesi Amacıyla Saflaştırılması**
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CII. Türkiye deki tavuklardan Ornithobacterium rhinotracheale izolasyonu ve Enzyme Linked Immunosorbent Assay (ELISA), Western Blotting ve Polimeraz Zincir Reaksiyonu (PCR) ile analizi

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BALIK D.

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CIV. Plazmodial laktat dehidrogenaz enzimini kodlayan genin klonlama veya altklonlama problemlerini gidermek için preparatif amaçlı agaroz jel elektroforezinde etidyum bromür yerine kristal viyole kullanılması

Aslan A., Moreton K., BALIK D.

18. Ulusal Biyokimya Kongresi, 01 May 2004

CV. Yeni bir antimalarial ilacın tasarımı çalışmalarında kullanılmak üzere Plasmodium vivax ın laktat dehidrogenaz enzimini kodlayan genin ekspresyonunun yapılması

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- CVII. **Plasmodium vivax** in laktat dehidrogenaz enzimini kodlayan geninin izolasyonu ve klonlanması
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- BALIK D., Uğurel E., Project Supported by Higher Education Institutions, DUYARLI VE ÇOKLU İLAÇ DİRENÇLİ ACINETOBACTER BAUMANNII ENFEKSİYONLARIYLA MÜCADELE İÇİN RUHSATLI İLAÇLARIN YENİDEN KONUMLANDIRILMASI, 2019 - 2024
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- Topuzoğulları M., Balık D., Daniş Ö., TAGEM Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü Projesi, Investigation of the Inhibition Potential of Coumarin Derivatives on Enolase Enzyme of Theileria Annulata to Identify a New Drug Candidate for the Treatment of Theileriosis, 2014 - 2016
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- BALIK D., Project Supported by Higher Education Institutions, Tek nükleotit polimorfizminin intrakranyal anevrizma oluşumundaki rolünün araştırılması, 2012 - 2015
- BALIK D., Project Supported by Higher Education Institutions, Prostat kanseri ile ilişkili olduğu düşünülen bazı gen polimorfizmlerinin Türk hastalarda incelenmesi, 2012 - 2014
- BALIK D., Project Supported by Higher Education Institutions, Theileria annulata'nın enolaz enzimini kodlayan genin introndan arındırılarak izole edilmesi, ifadesinin yapılması ve yönlendirilmiş mutagenез ile analiz edilmesi, 2011 - 2014
- BALIK D., Project Supported by Higher Education Institutions, Kolon kanseri dokularında yerleştiği bilinen Bacteriodes fragilis'in D-laktat dehidrogenaz enzimini kodlayan genin izalasyonu ve karakterizasyonu, 2012 - 2013

BALIK D., TUBITAK Project, Türk Epilepsi hastalarında Potasyum Kanal Geni (hERG) nin Araştırılması ve Hastalığa Yatkınlık Faktörü Olabileceğinin Değerlendirilmesi, 2011 - 2012

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BALIK D., F. Ü. Fen Edebiyat Fakültesi Biyoloji Bölümü nde kurulmakta olan Moleküler Biyoloji Laboratuvarı nın altyapı eksiklerinin giderilmesi, 2001 - 2001

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Awards

Balık D., Young Scientist Forum Award, 31St Febs Congress, June 2006

Balık D., En iyi poster ödülü, 18. Ulusal Biyokimya Kongresi, Trabzon , May 2004

Balık D., Sıtma parazitinin sivrisinekler tarafından aktarıldığının keşfinin 100. yılı dolayısıyla Hyderabad'da, Hindistan, yapılan Second Global Meet on Parasitic Diseases'e katılmak için verilen ödül, USA, 1997., Malaria Foundation, New York, Usa, January 1997

Non Academic Experience

Other, Karadeniz Technical University, İLAFARDanışma Kurulu Üyeliği

TUBITAK, Dięer (Kurumlar,hastaneler Vb.), ULAKBİM TR Dizin Komite Üyelięi

TUBITAK, Dięer (Kurumlar,hastaneler Vb.), Turkish Journal of Biology Editörler Kurulu Üyelięi

Other, Istanbul Yeni Yuzyil University, BAP Yönetim Kurulu Üyelięi

TUBITAK, Dięer (Kurumlar,hastaneler Vb.), KBAG Grup Yürütme Kurulu Üyelięi

TUBITAK, Dięer (Kurumlar,hastaneler Vb.), KBAG Danışma Kurulu Üyelięi

Other, Yildiz Technical University, Merkez Lab Danışma Kurulu Üyelięi