

## Prof. Dilek BALIK

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### Education Information

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

Post Graduate, Fırat Üniversitesi, Fen Bilimleri Enstitüsü, Biyoloji, Turkey 1990 - 1992

Under Graduate, Fırat Üniversitesi, 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

Post Graduate, ELAZIĞ HARMANTEPE YÖRESİ TOPRAKLARININ MİKROORGANİZMA POPULASYONU ÜZERİNE BİR ARAŞTIRMA, Fırat Üniversitesi, Fen Bilimleri Enstitüsü, Biyoloji, 1992

### Research Areas

Medicine, Health Sciences, Internal Medicine Sciences, Infectious Diseases and Clinical Microbiology, Pharmacology and Therapeutics, Pharmaceutics Technology, Pharmaceutical Biotechnology, Life Sciences, Biotechnology, Natural Sciences

### Academic Titles / Tasks

Professor, Yıldız Teknik Üniversitesi, Kimya Metalürji Fakültesi, Biyomühendislik , 2012 - Continues

Associate Professor, Yıldız Teknik Üniversitesi, Kimya Metalürji Fakültesi, Biyomühendislik , 2006 - 2012

Assistant Professor, Yıldız Teknik Üniversitesi, Kimya Metalürji Fakültesi, Biyomühendislik , 2006 - 2006

Assistant Professor, Fırat Üniversitesi, Fen Edebiyat , Biyoloji, 1998 - 2006

Research Assistant, Fırat Üniversitesi, Fen Edebiyat , Biyoloji, 1992 - 1998

### Academic and Administrative Experience

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

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

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

Fakülte Kurulu Üyesi, Yıldız 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

## Advising 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, Post Graduate,  
B.ATMIŞ(Student), 2007

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

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

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

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

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **In vitro inhibition studies of coumarin derivatives on Bos taurus enolase and elucidating their interaction by molecular docking, molecular dynamics simulations and MMGB(PB)SA binding energy calculation**  
SARIYER E., Kocer S., DANIŞ Ö., Turgut-Balik D.  
BIOORGANIC CHEMISTRY, vol.110, 2021 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)
- IV. **Targeting SARS-CoV-2 Nsp12/Nsp8 interaction interface with approved and investigational drugs: an in silico structure-based approach**  
MUTLU Ö., Ugurel O. M. , Sariyer E., ATA O., Inci T. G. , Ugurel E., Kocer S., Turgut-Balik D.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, 2020 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)
- VI. **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 (Journal Indexed in SCI)
- VII. **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 (Journal Indexed in SCI)

- VIII. **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 (Journal Indexed in SCI Expanded)
- IX. **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 (Journal Indexed in SCI)
- X. **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 (Journal Indexed in SCI)
- XI. **Biochemical and in silico Characterization of Recombinant L-Lactate Dehydrogenase of *Theileria annulata***  
Nural B., Erdemir A., MUTLU Ö., YAKARSONMEZ S., DANIŞ Ö., TOPUZOĞULLARI M., TURGUT-BALIK D.  
MOLECULAR BIOTECHNOLOGY, vol.58, no.4, pp.256-267, 2016 (Journal Indexed in SCI)
- XII. **Cloning, Expression and Characterization of the Gene Encoding the Enolase from *Fusobacterium nucleatum***  
YAKARSONMEZ S., CAYIR E., MUTLU Ö., Nural B., Sariyer E., TOPUZOĞULLARI M., Milward M. R., Cooper P. R., Erdemir A., Turgut-Balik D.  
APPLIED BIOCHEMISTRY AND MICROBIOLOGY, vol.52, no.1, pp.23-30, 2016 (Journal Indexed in SCI)
- XIII. **Cloning of Intron-Removed Enolase Gene and Expression, Purification, Kinetic Characterization of the Enzyme from *Theileria annulata***  
Cayir E., Erdemir A., OZKAN E., TOPUZOĞULLARI M., BOLAT Z. B., AKAT A., TURGUT-BALIK D.  
MOLECULAR BIOTECHNOLOGY, vol.56, no.8, pp.689-696, 2014 (Journal Indexed in SCI)
- XIV. **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 (Journal Indexed in SCI)
- XV. **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**  
ÇİÇEK M., MUTLU Ö., Erdemir A., Ozkan E., Saricay Y., Turgut-Balik D.  
MOLECULAR BIOTECHNOLOGY, vol.54, no.2, pp.602-608, 2013 (Journal Indexed in SCI)
- XVI. **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 (Journal Indexed in SCI)
- XVII. **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 (Journal Indexed in SCI)
- XVIII. **Homology modeling of mutant *Plasmodium vivax* lactate dehydrogenase**  
MUTLU Ö., Turgut-Balik D.  
NEW BIOTECHNOLOGY, vol.29, 2012 (Journal Indexed in SCI)
- XIX. **Effects of Electromagnetic Waves Emitted by mobile phones on germination, root growth and root tip cell mitotic division of *Lens culinaris Medik***  
Kıran Y., Sahin A., BALIK D., BALIK H.

- Polish Journal of Environmental Studies, vol.21, no.1, pp.23-29, 2012 (Journal Indexed in SCI Expanded)
- XX. **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 (Journal Indexed in SCI)
- XXI. **Regional Differences in the Amino Acid Sequences of *Fasciola hepatica* Cathepsin L2 From a Turkish Isolate**  
Baspınar S., Celik V., Turgut-Balik D., Kaplan M.  
BALKAN MEDICAL JOURNAL, vol.28, no.3, pp.269-273, 2011 (Journal Indexed in SCI)
- XXII. **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 (Journal Indexed in SCI Expanded)
- XXIII. **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 (Journal Indexed in SCI)
- XXIV. **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 (Journal Indexed in SCI)
- XXV. **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 (Journal Indexed in SCI)
- XXVI. **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 (Journal Indexed in SCI)
- XXVII. **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 (Journal Indexed in SCI)
- XXVIII. **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 (Journal Indexed in SCI Expanded)
- XXIX. **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 (Journal Indexed in SCI Expanded)
- XXX. **Structure of lactate dehydrogenase from *Plasmodium vivax*: Complexes with NADH and APADH**  
Chaikwad A., Fairweather V., Connors R., Joseph-Horne T., Turgut-Balik D., Brady R.  
BIOCHEMISTRY, vol.44, no.49, pp.16221-16228, 2005 (Journal Indexed in SCI)
- XXXI. ***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 (Journal Indexed in SCI Expanded)
- XXXII. **Some ocular symptoms and sensations experienced by long term users of mobile phones**  
Balik H. H. , Turgut-Balik D., Balıkcı K., Ozcan I.  
PATHOLOGIE BIOLOGIE, vol.53, no.2, pp.88-91, 2005 (Journal Indexed in SCI)
- XXXIII. **Some ocular symptoms and sensations experienced by long term users of mobile phones**

- BALIK H. H. , Turgut-Balik D., BALIKÇI K., Ozcan I.  
 PATHOLOGIE BIOLOGIE, vol.53, no.2, pp.88-91, 2005 (Journal Indexed in SCI)
- XXXIV. **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 (Journal Indexed in SCI)
- XXXV. **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 (Journal Indexed in SCI)
- XXXVI. **A Survey Study on Some Neurological Symptoms and Sensations Experienced by Long Term Users of Mobile Phones**  
 Ozcan I, BALIK D., Balik H.  
 PATHOLOGIE BIOLOGIE, vol.53, no.1, pp.30-34, 2005 (Journal Indexed in SCI Expanded)
- XXXVII. **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 (Journal Indexed in SCI)
- XXXVIII. **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 (Journal Indexed in SCI)
- XXXIX. **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 (Journal Indexed in SCI Expanded)
- XL. **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 (Journal Indexed in SCI)
- XLI. **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 (Journal Indexed in SCI)
- XLII. **Determination of the DNA and aminoacid sequences of lactate dehydrogenase gene from Plasmodium falciparum strains K1 and PF FCBR: A route to the design of new antimalarials**  
 BALIK D., Holbrook J.  
 TÜBITAK/DOĞA, Turkish Journal of Biology, no.25, pp.241-250, 2001 (Journal Indexed in SCI Expanded)
- XLIII. **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 (Journal Indexed in SCI)

## 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., SEMERCİ S. Y. , ERDEMİR A., ÇETİNKAYA M., BALIK D.  
 Istanbul Bilim University Florence Nightingale Journal of Medicine, vol.4, no.1, pp.16-21, 2018 (Refereed Journals of Other Institutions)
- II. **GENOTYPING AND ANALYSIS OF rs7501939 POLYMORPHISM FOR PROSTATE CANCER**

- Özkan E., Erdemir A., Törer B. D. , Taşçı A. İ. , Baskın Y., Ellidokuz H., Balık D.  
Sigma Mühendislik ve Fen Bilimleri Dergisi, vol.6, no.1, pp.101-107, 2015 (Journal Indexed in ESCI)
- III. **GENOTYPING AND ANALYSIS OF rs911271 POLYMORPHISM FORINTRACRANIAL ANEURYSM**  
Erdemir A., Özkan E., Turan Güner N., Selçuk H. H. , Kara B., Baskın Y., Ellidokuz H., Balık H. H. , Balık D.  
Sigma Mühendislik ve Fen Bilimleri Dergisi, vol.6, no.1, pp.109-116, 2015 (Journal Indexed in ESCI)
- IV. **GENOTYPING AND ANALYSIS OF rs27037 POLYMORPHISM FORANKYLOSING SPONDYLITIS**  
Akbulut E., Erdemir A., Özgen M., Baskın Y., Yalçın Güleç F., Balık D.  
Sigma Mühendislik ve Fen Bilimleri Dergisi, vol.6, no.1, pp.117-125, 2015 (Journal Indexed in ESCI)
- V. **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 (International Refereed University Journal)
- VI. **A Survey Study on Neurological Sysmptoms and Sensations Caused by Daily Use of Mobile Phones**  
Balıkcı K., Akbal A., Ozcan I., BALIK D.  
Beykent University- Journal of Science and Technology, vol.2, no.1, pp.67-75, 2008 (Refereed Journals of Other Institutions)
- VII. **Electrophoretic analysis of total protein profiles of some Lathyrus L. (Sect. Cicercula) grown in Turkey**  
Emre I., Turgut-Balık D., Sahin A.  
Pakistan Journal of Biological Sciences, vol.10, no.17, pp.2890-2894, 2007 (Refereed Journals of Other Institutions)
- VIII. **Genetiği değiştirilmiş organizmalar GDO**  
ÇELİK V., BALIK D.  
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.23, no.1, pp.13-23, 2007 (Other Refereed National Journals)
- 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 (Refereed Journals of Other Institutions)
- X. **The use of seed proteins revealed by SDS-PAGE in taxonomy of some Lathyrus L. species grown in Turkey**  
Emre I., Turgut-Balık D., Genc H., Sahin A.  
Pakistan Journal of Biological Sciences, vol.9, no.12, pp.2358-2361, 2006 (Refereed Journals of Other Institutions)
- XI. **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 (Refereed Journals of Other Institutions)
- XII. **Sıtma Parazitlerinin Moleküler Biyolojisi**  
BALIK D.  
TÜRKİYE PARAZİTOLOJİ DERGİSİ, vol.25, no.4, pp.380-383, 2001 (Other Refereed National Journals)
- XIII. **Elazığ Harmantepe yöresi topraklarının mikroorganizma populasyonu üzerine bir araştırma**  
BALIK D.  
Fırat Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, 1994 (Other Refereed National Journals)

## **Books & Book Chapters**

- I. **Genin Doğası**  
BALIK D., ERDEMİR 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 Replikasyonu**

BALIK D., ERDEMİR A.

in: Moleküler Biyoloji, Karataş M., Editor, Nobel Yayın Dağıtım, Ankara, pp.87-99, 2012

IV. **Mutasyonlar**

BALIK D., AKAT A.

in: Moleküler Biyoloji, Prof. Dr. Mehmet Karataş, Editor, Nobel Bilim ve Araştırma Merkezi Yayınları, pp.103-116, 2012

## Refereed Congress / Symposium Publications in Proceedings

- I. **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
- II. **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
- III. **Structural and Functional Analyses of Essential Metabolic Enzymes towards Structure-Based Drug Design**  
BALIK D.  
Eurasian Congress of Molecular Biotechnology (ECOMB 2019), Trabzon, Turkey, 19 - 21 September 2019
- IV. **Bacteroides Fragillis Enolaz İnhibitorü Belirlenmesine Yönelik Sanal Ligand Tarama Ve Moleküler Yanaştırma Çalışmaları**  
Uğurel E., YAKARSÖNMEZ S., SARIYER E., MUTLU Ö., UĞUREL O. M., BALIK D.  
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019
- V. **A Structure-Based Drug Design Study Interactions of Bos taurus Enolase and Coumarin Derivatives Through Molecular Docking and Molecular Dynamic Simulation**  
SARIYER E., yakarsonmez s., DANIŞ Ö., BALIK D.  
6th International Bahçeşehir University (BAU) Drug Design Congress, İstanbul, Turkey, 13 - 15 December 2018
- VI. **Comparative Modelling and Molecular Dynamic Simulation of Bacteriodes fragillis Enolase**  
Uğurel e., yakarsonmez s., SARIYER E., MUTLU Ö., UĞUREL O. M., BALIK D.  
6th International Bahçeşehir University (BAU) Drug Design Congress, İstanbul, Turkey, 13 - 15 December 2018
- VII. **Selected Approaches for Macromolecular Bioengineering**  
KAHVECİ M. Ü., DEVECİ G., ATEŞ M. Y., Çetinkaya A., yakarsönmez s., BALIK D.  
The VII. Polymer Science and Technology Congress with International Participation, 10 - 13 September 2018
- VIII. **Tek Nükleotit Farklılıklarına Dayalı Bir Mycoplasma Tanı Paneli Çalışması**  
Uğurel O. M., ATA O., BALIK D.  
19. ULUSLARARASI KATILIMLI ULUSAL BİYOTEKNOLOJİ KONGRESİ, Eskişehir, Turkey, 1 - 03 December 2017, pp.30
- IX. **Bos taurus Kas Enolazını Kodlayan Genin Klonlanması, Ekspresyonu ve Karakterizasyonu**  
SARIYER E., DANIŞ Ö., BALIK D.  
19. Uluslararası Katılımlı Ulusal Biyoteknoloji Kongresi, 1 - 03 December 2017
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3. International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2016, vol.1, no.1, pp.1066
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38th Congress of the Federation-of-European-Biochemical-Societies (FEBS), Saint Peter, Guernsey And Alderney, 6  
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European Biotechnology Congress, İstanbul, Turkey, 28 September - 01 October 2011, vol.22
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BALIK D., Turgut-Balik D., Genc H., Sahin A.  
19. Ulusal Biyoloji Kongresi, 01 June 2008
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International Symposium 7th. Plant Life of South west Asia (7th PLoSWA), 01 June 2007
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International Symposium on Drug Research and Development, 01 May 2007
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Sadak D., Celik V., Turgut-Balik D.  
31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.280
- LXXXII. **Insertion of Five Amino Acids in the Active Site Loop is Essential for the Stability of the PvLDH Protein**  
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31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.280

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14. Biyoteknoloji Kongresi, 01 August 2005
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II. URSI-Türkiye 2004 Bilimsel Kongresi, 01 September 2004
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VI. Ulusal Veteriner Mikrobiyoloji Kongresi, 01 September 2004
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Ulusal Moleküler ve Tanısal Mikrobiyoloji Kongresi, 01 June 2004
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Aslan A., Moreton K., BALIK D.  
18. Ulusal Biyokimya Kongresi,, 01 May 2004
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Özcan I., BALIK D., Balık H.  
2004 International Symposium on Electromagnetic Theory, 01 March 2004
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BALIK D.  
The Wellcome Trust Fellow s Meeting, 01 January 2002

- XCVIII. A Route for the Design of Novel Anti-malarials: Plasmodium falciparum Lactate Dehydrogenase**  
BALIK D., Dunn C., Banfield M., Barker J., Higman J., Moreton K., Shoemark D., Holbrook J.  
1st Eurasian Congress on Molecular Biotechnology, 01 October 2001
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Delcour J., Alvarez A., Cortes A., BALIK D., Holbrook J.  
1st Eurasian Congress on Molecular Biotechnology, 01 October 2001
- C. Preparative Scale Biocatalysis for Making Tonne-Scale Chiral Angiotensin Converting Enzyme Inhibitor**  
Delcour J., Alvarez A., Cortes A., BALIK D., Holbrook J.  
1st Eurasian Congress on Molecular Biotechnology, 01 October 2001
- CI. Plasmodium falciparum laktat dehidrogenaz enzimini kodlayan genin site-directed mutagenез çalışmaları ile analizi**  
BALIK D.  
12. Ulusal Parazitoloji Kongresi, 01 September 2001
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BALIK D.  
The Wellcome Trust Fellow s Meeting, 01 January 2001
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BALIK D., Moreton K., Holbrook J.  
9th Malaria Meeting of British Society for Parasitology, 01 September 1997
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BALIK D., Moreton K., Holbrook J.  
Second Global Meet on Parasitic Diseases, 01 August 1997
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Banfield M., Barker J., Higham C., Moreton K., BALIK D.  
6th International Conference of Perspectives on Protein Engineering, 01 July 1997
- CVI. The Lactate Dehydrogenase of Plasmodium falciparum as a New Target for Antimalarials**  
BALIK D., Sessions R., Moreton K., Higham C.  
6th International Conference of Perspectives on Protein Engineering, 01 July 1997
- CVII. To Begin at the Beginning: Malarial LDH Crystallography**  
BALIK D., Brady R., Dunn C., Higman C., Moreton K., Holbrook J.  
24th Meeting of the Federation of European Biochemical Societies, 01 July 1996
- CVIII. Lactate Dehydrogenase from Plasmodium falciparum Strains PF FCBR and K1**  
BALIK D., Moreton K., Holbrook J.  
5th European Meeting of Perspectives on Protein Engineering, 01 March 1996
- CIX. Bazı hayvan yemlerinden izole edilen funguslar ve bunların ürettiği toksinlerin biyolojik ölçüm metodu ile -saptanması**  
Sagiroglu G., Yildiz S., BALIK D.  
XII Ulusal Biyoloji Kongresi, 01 July 1994

## **Supported Projects**

BALIK D., Project Supported by Higher Education Institutions, Bronkopulmoner Displazi ile İlişkilendirilen Belirli Genlerdeki Polimorfizmlerin Türk Popülasyonu Üzerinde İncelenmesi, 2016 - 2018

BALIK D., Project Supported by Higher Education Institutions, İlaç Yeniden Konumlandırmanın in silico ve in vitro Uygulaması, 2016 - 2017

BALIK D., Project Supported by Higher Education Institutions, Bos taurus Enolaz Enziminin Yapıya Dayandırılmış İlaç

Tasarımı Yönünde Yapısal, Moleküler ve Enzimatik Analizlerinin Yapılması, 2015 - 2017

Topuzoğulları M., Balık D., Danış 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

BALIK D., Project Supported by Higher Education Institutions, Sık Görülen Bakteriye Türlerin Tanısını Gerçekleştirmek Üzere Biyoinformatik Analizlerin Yapılması ve Kütle Spektroskopisine Dayalı Bir Panelin Gerçekleştirilmesi, 2014 - 2015

BALIK D., Project Supported by Higher Education Institutions, Toplumumuzda Ankilozan Spondilit Hastalığına Genetik Yatkınlığın Kütle Spektroskopisi ile Belirlenmesi, 2014 - 2015

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 Bacteroides fragilis'in D-laktat dehidrogenaz enzimini kodlayan genin izolasyonu ve karakterizasyonu, 2012 - 2013

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

BALIK D., Project Supported by Higher Education Institutions, İlaç Tasarım Çalışmalarında Kullanılmak Üzere Bazı Apicomplexa Parazitlerinin Laktat Dehidrogenaz Enzimini Kodlayan Genin İzolasyonu ve Klonlanması, 2010 - 2012

BALIK D., Project Supported by Higher Education Institutions, Plasmodium falciparum'un Laktat Dehidrogenaz Enziminin saflaştırılması ve analizi, 2010 - 2011

BALIK D., Other Supported Projects, Plasmodium falciparum un Laktat Dehidrogenaz Enziminin Saflaştırılması ve Analizi, 2010 - 2011

BALIK D., TÜBİTAK Project, Plasmodium vivax ın Laktat Dehidrogenaz Enziminin Üç Boyutlu Yapısının Tanımlanması ve Plasmodium ların Laktat Dehidrogenaz Enzimini Kodlayan Genin Yönlendirilmiş Mutagenез Metoduyla Diğer Bazı Apicomplexan LDH ları ile karşılaştırılması, 2005 - 2010

BALIK D., Plasmodium vivax Laktat Dehidrogenaz Enzimindeki Aktif Bölge Halkasının ve Kofaktör Bağlanma Bölgesinin Diğer Apicomplexan Laktat Dehidrogenaz Enzimleri İle Karşılaştırmalı Analizi, 2005 - 2010

BALIK D., Plasmodium vivax ın Laktat Dehidrogenaz Enzimini Kodlayan Genin İfade Edilerek İlgili Proteinin Saflaştırılması ve Analizlerinin Yapılması, 2005 - 2006

BALIK D., Plasmodium vivax da Laktat Dehidrogenaz Enziminin Aktif Bölge Halkasındaki Bazı Amino Asitlerinin Yönlendirilmiş Mutagenез Çalışmaları İle Analizi, 2005 - 2006

BALIK D., Other Supported Projects, Plasmodium falciparum da Laktat Dehidrogenaz Enziminin Aktif Bölge Halkası Aminoasitlerinin Site-Directed Mutagenез Çalışmaları İle Analizi, 2002 - 2004

BALIK D., Isolation and cloning of lactate dehydrogenase gene from Plasmodium vivax and its relation to the enzyme properties, 2001 - 2004

BALIK D., TÜBİTAK Project, Plasmodium vivax laktat dehidrogenaz enzimini kodlayan genin izolasyonu, 2001 - 2003

BALIK D., Other Supported Projects, Plasmodium vivaxın Laktat Dehidrogenaz Enzimini Kodlayan Geninin Polimeraz Zincir Reaksiyonu İle İzolasyonu ve Klonlanması, 2001 - 2003

BALIK D., Other Supported Projects, F. Ü. Fen- Edebiyat Fakültesi Biyoloji Bölümü Moleküler Tanıma Laboratuvarı nın altyapı eksiklerinin giderilmesi, 2002 - 2002

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

## Citations

Total Citations (WOS):363

h-index (WOS):10

## **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

TUBITAK, Diğer (Kurumlar,hastaneler Vb.)

TUBITAK, Diğer (Kurumlar,hastaneler Vb.)

Other, Istanbul Yeni Yuzyil University

TUBITAK, Diğer (Kurumlar,hastaneler Vb.)

TUBITAK, Diğer (Kurumlar,hastaneler Vb.)

Other, Yildiz Technical University