

Assoc. Prof. Hamid CEYLAN

Personal Information

Web: https://scholar.google.com.tr/citations?hl=tr&user=UmsD9JkAAAAJ&view_op=list_works&sortby=pubdate

Address: Fen Fakültesi, Dekanlık Binası, Moleküler Biyoloji ve Genetik Bölümü

International Researcher IDs

ScholarID: UmsD9JkAAAAJ

ORCID: 0000-0003-3781-4406

Publons / Web Of Science ResearcherID: A-3707-2016

ScopusID: 55985949400

Yoksis Researcher ID: 113209

Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji Ve Genetik / Genetik, Turkey 2010 - 2016

Doctorate, Tokyo University, Japan 2015 - 2015

Postgraduate, Erciyes University, Fen Bilimleri, Biyoloji, Turkey 2008 - 2010

Undergraduate, Erciyes University, Fen Edebiyat, Biyoloji, Turkey 2005 - 2008

Undergraduate, Ataturk University, Fen Edebiyat, Biyoloji, Turkey 2004 - 2005

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Entrepreneurship, KOSGEB Girişimcilik Eğitimi, T.C. Küçük ve Orta Ölçekli İşletmeleri Geliştirme ve Destekleme İdaresi Başkanlığı (KOSGEB), 2022

Vocational Training, Kamu Mali Yönetimi ve Kontrol Kanunu Mevzuat Eğitimi, Atatürk Üniversitesi, 2021

Education Management and Planning, Deney Hayvanları Kullanım Sertifikası, Atatürk Üniversitesi, 2011

Dissertations

Doctorate, İNSAN BEYİN ASETİLKOLİNESTERAZ ENZİMİNİN KLONLANMASI, E. coli'de EKSPRESYONU ve ENZİMİN KARAKTERİZASYONU, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Moleküler Biyoloji Ve Genetik / Genetik, 2016

Postgraduate, TÜRKİYE ORJİNLİ BAZI BUĞDAY ÇEŞİTLERİNDE PEROKSİDAZ GEN POLİMORFİZMİNİN BELİRLENMESİ, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Biyoloji, 2010

Research Areas

Life Sciences, Bioinformatics, Molecular Biology and Genetics, Natural Sciences

Academic Titles / Tasks

Associate Professor, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2023 - Continues
Assistant Professor, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2018 - 2023
Research Assistant PhD, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2016 - 2018
Research Assistant, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2010 - 2016

Academic and Administrative Experience

Fakülte Koordinatörü, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2022 - Continues
Performans Değerlendirme Komisyonu Üyesi, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2021 - Continues
Deputy Head of Department, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2020 - Continues
Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2019 - Continues
Assistant Coordinator of The Rectorate, Ataturk University, Fen Fakültesi, Moleküler Biyoloji ve Genetik, 2020 - 2022

Courses

Doctorate

İnsan Hastalıklarında Epigenetik, Doctorate, 2023 - 2024

Postgraduate

Bioinformatics Based Transcriptomic Data Analysis, Postgraduate, 2023 - 2024, 2021 - 2022

Nutrigenomics and Nutrigenetics, Postgraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020

Protein Engineering Tools and Applications, Postgraduate, 2021 - 2022, 2018 - 2019

Undergraduate

Gene Therapy, Undergraduate, 2022 - 2023, 2021 - 2022

Epigenetik, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Temel Genetik Laboratuvarı, Undergraduate, 2023 - 2024, 2022 - 2023

Yaşam Bilimleri II Laboratuvarı, Undergraduate, 2022 - 2023

Moleküler Biyoloji ve Genetik, Undergraduate, 2022 - 2023

Biyoinformatik, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Proteomics, Undergraduate, 2022 - 2023

Genomik, Undergraduate, 2023 - 2024, 2022 - 2023

Protein Mühendisliği, Undergraduate, 2021 - 2022, 2020 - 2021

Moleküler Biyolojide Kullanılan Yöntemler II Laboratuvarı, Undergraduate, 2021 - 2022, 2020 - 2021

Genomik ve Proteomik, Undergraduate, 2021 - 2022, 2020 - 2021, 2018 - 2019

Transgenic Plants, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Moleküler Hücre Biyolojisi Laboratuvarı, Undergraduate, 2022 - 2023

Nutrigenomik, Undergraduate, 2022 - 2023, 2021 - 2022

Hücre Biyolojisi Laboratuvarı, Undergraduate, 2021 - 2022

Molecular Biology, Undergraduate, 2021 - 2022

Genel Biyoloji Laboratuvarı II, Undergraduate, 2020 - 2021, 2019 - 2020

Moleküler Biyoloji, Undergraduate, 2021 - 2022

Moleküler Biyolojide Kullanılan Yöntemler I Laboratuvarı, Undergraduate, 2021 - 2022, 2020 - 2021

Biyoteknoloji Laboratuvarı, Undergraduate, 2019 - 2020

Moleküler Evrim, Undergraduate, 2020 - 2021, 2018 - 2019

Genel Biyoloji Laboratuvarı I, Undergraduate, 2020 - 2021

Jury Memberships

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, December, 2023
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, December, 2023
Post Graduate, Post Graduate, Bingöl Üniversitesi, November, 2022
Post Graduate, Post Graduate, Atatürk Üniversitesi, August, 2022
Post Graduate, Post Graduate, Atatürk Üniversitesi, August, 2022
Post Graduate, Post Graduate, Atatürk Üniversitesi, July, 2022
Post Graduate, Post Graduate, Atatürk Üniversitesi, July, 2022
Post Graduate, Post Graduate, Atatürk Üniversitesi, July, 2022
Doctoral Examination, Doctoral Examination, Bingöl Üniversitesi, January, 2022
Doctoral Examination, Doctoral Examination, Bingöl Üniversitesi, January, 2022
Post Graduate, Post Graduate, Atatürk Üniversitesi, December, 2021
Post Graduate, Post Graduate, Atatürk Üniversitesi, July, 2021
Post Graduate, Post Graduate, Bingöl Üniversitesi, January, 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The interplay between doxorubicin chemotherapy, antioxidant system, and cardiotoxicity: Unrevealing of the protective potential of tannic acid**
Kansu G., Ozturk N., Karagac M. S., Yesilkent E. N., Ceylan H.
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, vol.72, no.1, pp.75-85, 2025 (SCI-Expanded)
- II. **Effect of tannic acid on doxorubicin-induced cellular stress: Expression levels of heat shock genes in rat spleen**
Kizir D., KARAMAN M., Demir Y., CEYLAN H.
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, vol.71, no.6, pp.1339-1345, 2024 (SCI-Expanded)
- III. **Esculetin improves inflammation of the kidney via gene expression against doxorubicin-induced nephrotoxicity in rats: In vivo and in silico studies**
Karağaç M. S., Yeşilkent E. N., Kizir D., Öztürk N., İsiyel M., Karadaş H., Tosun H., KARAMAN M., CEYLAN H., Demir Y.
Food Bioscience, vol.62, 2024 (SCI-Expanded)
- IV. **The protective effects of esculetin against Doxorubicin-Induced hepatotoxicity in rats: Insights into the modulation of Caspase, FOXOs, and heat shock protein pathways.**
Kizir D., Yeşilkent E. N., Öztürk N., Karağaç M. S., İsiyel M., Tosun H., Karadaş H., CEYLAN H., KARAMAN M., Demir Y.
Journal of biochemical and molecular toxicology, vol.38, no.10, 2024 (SCI-Expanded)
- V. **The hepatoprotective potential of tannic acid against doxorubicin-induced hepatotoxicity: Insights into its antioxidative, anti-inflammatory, and antiapoptotic mechanisms**
Ozturk N., CEYLAN H., Demir Y.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.38, no.8, 2024 (SCI-Expanded)
- VI. **Effects of Carnosic and Usnic Acid on Pentose Phosphate Pathway Enzymes: An Experimental and Molecular Docking Study**
Demir Y., Ozturk N., İsiyel M., CEYLAN H.
CHEMISTRYSELECT, vol.9, no.27, 2024 (SCI-Expanded)
- VII. **Bioinformatics-based identification of hepatocellular carcinoma-associated hub genes and assessment of the restorative effect of tannic acid in rat liver exposed to monosodium glutamate**
Tosun H., Karadas H., Ceylan H.
CANCER MEDICINE, vol.13, no.12, 2024 (SCI-Expanded)
- VIII. **Identification of dilated cardiomyopathy-linked key genes by bioinformatics methods and evaluating the impact of tannic acid and monosodium glutamate in rats**
Karadas H., Tosun H., Ceylan H.
Biotechnology and Applied Biochemistry, 2024 (SCI-Expanded)
- IX. **Tannic acid may ameliorate doxorubicin-induced changes in oxidative stress parameters in rat spleen**

Kizir D., Karaman M., Ceylan H.

Naunyn-Schmiedeberg's Archives of Pharmacology, vol.396, no.12, pp.3605-3613, 2023 (SCI-Expanded)

- X. **Neuroprotective Potential of Tannic Acid Against Neurotoxic Outputs of Monosodium Glutamate in Rat Cerebral Cortex**
Karagac M. S., Ceylan H.
Neurotoxicity Research, vol.41, no.6, pp.670-680, 2023 (SCI-Expanded)
- XI. **Investigation of the multi-targeted protection potential of tannic acid against doxorubicin-induced kidney damage in rats.**
Yesilkent E. N., Ceylan H.
Chemico-biological interactions, vol.365, pp.110111, 2022 (SCI-Expanded)
- XII. **Integrated Bioinformatics Analysis to Identify Alternative Therapeutic Targets for Alzheimer's Disease: Insights from a Synaptic Machinery Perspective**
Ceylan H.
JOURNAL OF MOLECULAR NEUROSCIENCE, vol.72, no.2, pp.273-286, 2022 (SCI-Expanded)
- XIII. **Molecular docking and inhibition studies of vulpinic, carnosic and usnic acids on polyol pathway enzymes**
Demir Y., Ceylan H., Türkeş C., Beydemir Ş.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.40, no.22, pp.12008-12021, 2022 (SCI-Expanded)
- XIV. **Identification of hub genes associated with obesity-induced hepatocellular carcinoma risk based on integrated bioinformatics analysis**
CEYLAN H.
MEDICAL ONCOLOGY, vol.38, no.6, 2021 (SCI-Expanded)
- XV. **Muscle cellularity, growth performance and growth-related gene expression of juvenile climbing perch *Anabas testudineus* in response to different eggs incubation temperature.**
Ahammad A. K. S., Asaduzzaman M., Uddin Ahmed M. B., Akter S., Islam M. S., Haque M. M., Ceylan H., Wong L. L.
Journal of thermal biology, vol.96, pp.102830, 2021 (SCI-Expanded)
- XVI. **Effect of a Prolonged Dietary Iron Intake on the Gene Expression and Activity of the Testicular Antioxidant Defense System in Rats**
Kocpinar E. F., Gönül Baltacı N., Ceylan H., Kalın S. N., Erdoğan O., Budak H.
BIOLOGICAL TRACE ELEMENT RESEARCH, no.1, pp.135-141, 2020 (SCI-Expanded)
- XVII. **Examining the link between dose-dependent dietary iron intake and Alzheimer's disease through oxidative stress in the rat cortex**
Ceylan H., Budak H., Kocpinar E. F., Baltacı N., Erdoğan O.
JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, pp.198-206, 2019 (SCI-Expanded)
- XVIII. **Multiple transcription factors mediating the expressional regulation of myosin heavy chain gene involved in the indeterminate muscle growth of fish**
AHAMMAD A. S., ASADUZZAMAN M., CEYHUN S. B., CEYLAN H., ASAKAWA S., WATABE S., Kinoshit S.
GENE, vol.687, pp.308-318, 2019 (SCI-Expanded)
- XIX. **Inhibitory Effects of Usnic and Carnosic Acid on Some Metabolic Enzymes: An in vitro Study**
CEYLAN H., Demir Y., Beydemir S.
PROTEIN AND PEPTIDE LETTERS, vol.26, no.5, pp.364-370, 2019 (SCI-Expanded)
- XX. **In vitro and in vivo effects of iron on the expression and activity of glucose 6-phosphate dehydrogenase, 6-phosphogluconate dehydrogenase, and glutathione reductase in rat spleen**
Gonul B., Guler C., Ceylan H., Kalın S., Adem S., Kocpinar E. F., Erdogan O., Budak H.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, no.1, 2019 (SCI-Expanded)
- XXI. **An approach to clarify the effect mechanism of glyphosate on body malformations during embryonic development of zebrafish *(Daino rerio)***
SULUKAN E., KOKTURK M., CEYLAN H., Beydemir S., Isik M., ATAMANALP M., CEYHUN S. B.
CHEMOSPHERE, pp.77-85, 2017 (SCI-Expanded)
- XXII. **Cloning, expression, and characterization of human brain acetylcholinesterase in *Escherichia coli* using a SUMO fusion tag**

- Ceylan H., Erdoğan O.
TURKISH JOURNAL OF BIOLOGY, vol.41, pp.77-87, 2017 (SCI-Expanded)
- XXIII. **Can chondral healing be improved following microfracture? The effect of adipocyte tissue derived stem cell therapy.**
Ceylan H., BILSEL K., BUYUKPINARBASILI N., Ceylan H., ERDİL M., TUNCAY I., SEN C.
The Knee, vol.23, pp.442-9, 2016 (SCI-Expanded)
- XXIV. **Stimulation of gene expression and activity of antioxidant related enzyme in Sprague Dawley rat kidney induced by long-term iron toxicity**
Budak H., Kocpinar E. F., Gonul N., Ceylan H., Erol H. S., Erdoğan O.
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY, pp.44-50, 2014 (SCI-Expanded)
- XXV. **Expression of Glucose-6-Phosphate Dehydrogenase and 6-Phosphogluconate Dehydrogenase in Oxidative Stress Induced by Long- Term Iron Toxicity in Rat Liver**
BUDAK H., CEYLAN H., Kocpinar E. F., Gonul N., ERDOĞAN O.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, no.5, pp.217-223, 2014 (SCI-Expanded)
- XXVI. **Impact of long term Fe³⁺ toxicity on expression of glutathione system in rat liver**
BUDAK H., GONUL N., Ceylan H., KOCPINAR E.
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, no.1, pp.365-370, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **Exploring Esculetin's Protective Role: Countering Doxorubicin-Induced Oxidative Stress in Rat Heart**
Öztürk N., Karağaç M. S., Yeşilkent E. N., İsiyel M., Tosun H., Karadaş H., Ceylan H., Demir Y.
Journal of Laboratory Animal Science and Practices, vol.4, no.1, pp.44-52, 2024 (Peer-Reviewed Journal)
- II. **Identification and verification of promising diagnostic genes in bisphenol A-associated breast cancer development via in silico analysis**
Akkuş M., Ceylan H.
Frontiers in Life Sciences and Related Technologies (Online), vol.4, no.2, pp.72-78, 2023 (Peer-Reviewed Journal)
- III. **Cloning and Expression of Rat Brain Acetylcholinesterase Enzyme in Escherichia coli**
Karakuş A., Ceylan H., Erdoğan O.
İğdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.12, no.1, pp.287-296, 2022 (Peer-Reviewed Journal)
- IV. **Identification and validation of key genes associated with smoking-induced lung adenocarcinoma development through bioinformatics analysis and predictions of small-molecule drugs**
Ceylan H.
Cumhuriyet Science Journal, vol.42, no.4, pp.751-757, 2021 (Peer-Reviewed Journal)
- V. **A bioinformatics approach for identifying potential molecular mechanisms and key genes involved in COVID-19 associated cardiac remodeling**
Ceylan H.
GENE REPORTS, vol.24, 2021 (ESCI)
- VI. **Characterization of best growing line of the minnow, *Gymnostomus ariza* (Hamilton 1807) through landmark-based morphometric analysis**
Ahammad A. K. S., Gani A., Ahmed M. B. U., Khan M. G. Q., Hossain M. Y., Haque M. M., Ceylan H.
Egyptian Journal of Aquatic Biology and Fisheries, vol.25, no.4, pp.479-498, 2021 (Scopus)
- VII. **A bioinformatics approach for exploring and identification of potential target genes of miR-130a-3p in doxorubicin-associated cardiotoxicity**
Ceylan H.
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.3, pp.964-974, 2021 (Peer-Reviewed Journal)
- VIII. **Cross breeding programme modulates reproductive outcomes, growth performances and cellular muscle growth of indigenous climbing perch, *Anabas testudineus***
Ahammad A. S., Asaduzzaman M., Rabbi M. F., Haque M. M., Ahmed M. B. U., Datta B. K., Haque M. A., Islam M. M.,

Ceylan H.

Reproduction and Breeding, vol.1, no.2, pp.100-107, 2021 (Scopus)

IX. Demir İyonunun (Fe3) Sıçan (Rattus norvegicus) Karaciğer Dokusundaki Isı Stres Proteini (Hsp) Genlerinin Ekspresyon Seviyeleri Üzerine Etkisi

Ghosigharehaghaji A., Ceylan H., Erdoğan O.

Journal of the Institute of Science and Technology, vol.8, pp.255-261, 2018 (Peer-Reviewed Journal)

Books

- I. **Real Time PCR Uygulamaları ve Veri Analizi**
Ceyhun S. B., Ceylan H., Toraman E.
in: 3. Uygulamalı Moleküler Biyoloji Teknikleri Lisansüstü Yaz Okulu Kitabı, Erdoğan O., Ceyhun S.B., Şişecioğlu M., Karakuş E., Budak H., Editor, Aktif Yayınevi, Ankara, pp.121-131, 2016
- II. **Real Time PCR Uygulamaları ve Veri Analizi**
CEYHUN S. B., CEYLAN H., TORAMAN E.
in: 3. Uygulamalı Moleküler Biyoloji Teknikleri Lisansüstü Yaz Okulu, Orhan Erdoğan, S. Buğrahan Ceyhun, Melda Şişecioğlu, Emre Karakuş, Harun Budak, Editor, Aktif Yayınevi, Erzurum, pp.121-132, 2016
- III. **Moleküler Biyoloji Teknikleri Laboratuvar El Kitabı**
ERDOĞAN O., ADIGÜZEL A., AŞKIN H., ŞİŞECİOĞLU M., TAŞKIN M., BUDAK H., ANAR M., CEYLAN H., ÜNVER Y., YILDIZ M., et al.
Aktif Yayınevi, G.M.K Bulvarı No:32/C Kızılay-Ankara, Erzurum, 2014
- IV. **Western Blotlama**
Budak H., Küfrevioğlu Ö. İ., Ceylan H., Şahin F., Akkemik E.
in: Uygulamalı Moleküler Biyoloji Teknikleri Lisansüstü Yaz Okulu Kitabı, Küfrevioğlu Ö.İ., Watae S., Çiltaş A., Erdogan O., Editor, Aktif Yayınevi, Ankara, pp.57-62, 2011
- V. **Ökaryotik Hücrelere Gen Aktarımı**
İşcan M., Uyar P., CEYLAN H.
in: Uygulamalı Moleküler Biyoloji Teknikleri Lisansüstü Yaz Okulu Kitabı, Küfrevioğlu Ö.İ., Watae S., Çiltaş A., Erdogan O., Editor, Aktif Yayınevi, Ankara, pp.63-78, 2011
- VI. **TRV Tabanlı VİGS (Virüs İndüklemesiyle Gen Susturulması)**
Ünver T., CEYLAN H., ÜNVER Y.
in: Uygulamalı Moleküler Biyoloji Teknikleri Lisansüstü Yaz Okulu Kitabı, Küfrevioğlu Ö.İ., Watae S., Çiltaş A., Erdogan O., Editor, Aktif Yayınevi, Ankara, pp.133-142, 2011
- VII. **TRV Tabanlı Vigs (Virüs İndüklemesiyle Gen Aktarımı)**
ÜNVER T., CEYLAN H., ÜNVER Y.
in: Uygulamalı Moleküler Biyoloji Teknikleri Lisansüstü Yaz Okulu, , Editor, Aktif Yayınevi, pp.133-142, 2011
- VIII. **Western Blotlama**
BUDAK H., KÜFREVİOĞLU Ö. İ., ŞAHİN F., CEYLAN H., AKKEMİK E.
in: Uygulamalı Moleküler Biyoloji Teknikleri Lisansüstü Yaz Okulu, , Editor, Aktif Yayınevi, pp.57-62, 2011
- IX. **Ökaryotik Hücrelere Gen Aktarımı**
İŞCAN M., UYAR ARPACI P., CEYLAN H.
in: Uygulamalı Moleküler Biyoloji Teknikleri Lisansüstü Yaz Okulu, , Editor, Aktif Yayınevi, pp.63-78, 2011
- X. **Real Time PCR`da TaqMan Prob Yöntemiyle Kantitatif Gen Analizi.**
CEYHUN S. B., AKSAKAL E., GEN K., ERDOĞAN O., CEYLAN H.
in: Uygulamalı Moleküler Biyoloji Teknikleri Lisansüstü Yaz Okulu, Ö.İrfan KÜFREVİOĞLU, Shugo WATABE, Abdulkadir ÇİLTAŞ, Orhan ERDOĞAN, Editor, Aktif Yayınevi, Ankara Caddesi Nakipoğlu İş Hanı Kat:1 No:60/15, Sirkeci/İSTANBUL, Erzurum, pp.111-126, 2011
- XI. **Real time PCR`da Taqman Prob Yöntemiyle Kantitatif Gen Analizi**
CEYHUN S. B., AKSAKAL E., KANEKO G., ERDOĞAN O., CEYLAN H., İÇOĞLU AKSAKAL F.
in: Uygulamalı Moleküler Biyoloji Teknikleri Lisansüstü Yaz Okulu, , Editor, Aktif Yayınevi, pp.127-132, 2011

Papers Published in Refereed Scientific Meetings

- I. **Relationship of Telomeres and Telomerase Activity with Cellular Aging and Cancer**
Karadaş H., Ceylan H.
3rd International Conference on Recent Academic Studies, Konya, Turkey, 3 - 04 December 2024, pp.782-788
- II. **ALZHEIMER'S DISEASE AND NEUROTOXIC EFFECTS OF CHEMOTHERAPY**
KARAĞAÇ M. S., TOSUN H., CEYLAN H.
3rd International Conference on Frontiers in Academic Research, Turkey, 15 - 16 June 2024, pp.766-772
- III. **THE ROLE OF EPIGENETIC MODIFICATIONS ON CARDIOVASCULAR DISEASE**
YEŞİLKENT E. N., KARADAŞ H., CEYLAN H.
3rd International Conference on Frontiers in Academic Research, Turkey, 15 - 16 June 2024, pp.759-765
- IV. **THE ROLE AND APPLICATIONS OF BIOINFORMATICS IN PERSONALIZED MEDICINE**
ISİYEL M., ÖZTÜRK N., CEYLAN H.
3rd International Conference on Frontiers in Academic Research, Turkey, 15 - 16 June 2024, pp.433-437
- V. **Effect of monosodium glutamate and tannic acid on the expression of mitochondrial electron transport chain genes in rat cerebral cortex**
TAŞ M. T., CEYLAN H.
4th International Conference on Innovative Academic Studies (ICIAS), Turkey, 12 - 13 March 2024, pp.735-741
- VI. **Micro RNAs: The Game Changers of Diagnosis and Therapy of Human Cardiovascular Diseases**
Karadaş H., Ceylan H.
5th International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 10 - 12 July 2023, pp.510-516
- VII. **The Role of miRNAs in Asthma**
Tosun H., Ceylan H.
5th International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 10 - 12 July 2023, pp.606-610
- VIII. **Effects of Natural Polyphenols Against Skin Aging**
Karağaç M. S., Ceylan H.
1st International Conference on Recent Academic Studies, Konya, Turkey, 2 - 04 May 2023, pp.226-231
- IX. **Frequently Used Additives in the Food Industry and Their Toxicological Effects on Human Health**
Öztürk N., Ceylan H.
1st International Conference on Recent Academic Studies, Konya, Turkey, 2 - 04 May 2023, pp.232-237
- X. **Propolis and its therapeutic potential on wound healing**
Yeşilkent E., Ceylan H.
1st International Conference on Recent Academic Studies, Konya, Turkey, 2 - 04 May 2023, pp.204-209
- XI. **Non-coding RNAs and Their Use in Cancer Diagnosis and Treatment**
Ceylan H.
1st International Conference on Frontiers in Academic Research, Konya, Turkey, 18 - 21 February 2023, pp.285-289
- XII. **The Effects of Doxorubicin on the mRNA Expression of Some Heat Shock Protein 70 (Hsp70) Family Members in Rat Liver and the Modulatory Role of Tannic Acid**
Öztürk N., Ceylan H.
4 TH INTERNATIONAL CONFERENCE ON APPLIED ENGINEERING AND NATURAL SCIENCES , Konya, Turkey, 10 - 13 November 2022, pp.1410-1416
- XIII. **Evaluation of the Effect of Tannic Acid on mRNA Expression of Some Heat-Shock Protein Genes in Doxorubicin Exposed Rat Kidney Tissues**
Yeşilkent E. N., Ceylan H.
6th International Conference on Advances in Natural and Applied Sciences, Ağrı, Turkey, 11 - 13 October 2022, pp.233-241
- XIV. **The Quantitative Expression Analysis of Amyloid Beta Precursor Protein Pathway-Related Genes in Monosodium Glutamate Exposed Rat Brain Cortex: The Double-Edged Sword of Nutrition**

Karağaç M. S., Ceylan H.

6th International Conference on Advances in Natural and Applied Sciences, Ağrı, Turkey, 11 - 13 October 2022, pp.78-86

- XV. **Effects of dietary tannic acid on Synaptogyrin-1, Synapsin III, and Syntaxin 4 gene expression in brain cortex tissues of monosodium glutamate-induced rats.**
Karağaç M. S., Ceylan H.
3 RD INTERNATIONAL CONFERENCE ON APPLIED ENGINEERING AND NATURAL SCIENCES , Konya, Turkey, 20 - 23 July 2022, pp.1979-1983
- XVI. **Bioinformatics Analysis to Identify and Evaluate the Critical Driver Genes and Pathways Involved in COVID-19**
Ceylan H.
SECOND INTERNATIONAL CONGRESS ON BIOLOGICAL AND HEALTH SCIENCES (ICBH), Afyonkarahisar, Turkey, 24 - 27 February 2022, pp.209-218
- XVII. **Multipl Skleroz, Alzheimer ve Parkinson Hastalıkları Arasındaki Ortak Moleküler İmzaların Belirlenmesi: Entegre Bir Genomik Yaklaşım**
CEYLAN H.
1. ULUSAL BİYOLOJİK BİLİMLER KONGRESİ, Turkey, 16 - 18 December 2021
- XVIII. **Detection of Shared Critical Signatures and Pathways Between Type 2 Diabetes and Heart Failure**
Ceylan H.
3. INTERNATIONAL SCIENCES AND INNOVATION CONGRESS, Ankara, Turkey, 21 - 22 November 2021, pp.49-58
- XIX. **Exploring the candidate genes in the formation of type 2 diabetes-induced pancreatic cancer via bioinformatics analysis**
Ceylan H.
1st International Conference on Applied Engineering and Natural Sciences ICAENS 2021, Konya, Turkey, 1 - 03 November 2021, pp.779
- XX. **Effects of long term iron toxicity on antioxidant related enzyme in rat spleen at gene and protein level**
GÖNÜL BALTACI N., CEYLAN H., KOÇPINAR E. F., ÇAKIR Ş. N., ERDOĞAN O., BUDAK H.
7th International Molecular Biology and Biotechnology Congress, Konya, Turkey, 25 - 27 April 2018
- XXI. **Inhibition of Glutathione S-Transferase by Usnic and Carnosic Acid. International Biochemistry Congress/28th National Biochemistry Congress**
CEYLAN H., DEMİR Y., BEYDEMİR Ş.
International Biochemistry Congress/28th National Biochemistry Congress, Erzurum, Turkey, 19 - 23 September 2017
- XXII. **THE RELATIONSHIP BETWEEN IRON TOXICITY AND INFERTILITY**
GÖNÜL N., KOÇPINAR E. F., ÇAKIR Ş., CEYLAN H., BASTEM A., ERDOĞAN O., BUDAK H.
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- XXIII. **Inhibition of Glutathione S-Transferase by Usnic and Carnosic Acid**
CEYLAN H., Demir Y., Beydemir Ş.
International Biochemistry Congress/28th National Biochemistry Congress, Erzurum, Turkey, 19 - 23 September 2017, pp.1
- XXIV. **The Effect of 8-Methoxypsoralen on Polyol Pathway Enzymes**
Demir Y., CEYLAN H., Beydemir Ş.
International Biochemistry Congress/28th National Biochemistry Congress, Erzurum, Turkey, 19 - 23 September 2017, pp.2
- XXV. **COMPARATIVE EVALUATION OF THE INHIBITORY EFFECT OF SOME ESSENTIAL OILS ON ACETYLCHOLINESTERASE ACTIVITY IN HUMAN LUNG CARCINOMA (A549) CELLS**
TORAMAN E., DENİR Y., CEYLAN H., ERDOĞAN O.
I. INTERNATIONAL CONGRESS ON MEDICINAL and AROMATIC PLANTS, Konya, Turkey, 10 - 12 May 2017, pp.1764
- XXVI. **Comparative Evaluation of the Inhibitory Effect of Some Essential Oils on Acetylcholinesterase Activity in Human Lung Carcinoma (A5a9) Cells**

- TORAMAN E., DEMİR Y., CEYLAN H., ERDOĞAN O.
st INTERNArIONAL CONGRESS ON MEOICINAL ANAROMATIC PLANTS, 9 - 12 May 2017
- XXVII. **Determination of glutathione reductase and glutathioneS-transferase activity in human lung cancer cells treated withsome essential oils**
CEYLAN H., TORAMAN E., DEMİR Y., GHOSIGHAREHAGHAJI A., ERDOĞAN O.
İVEK 3.ULUSLAR ARASI İLAÇ VE ECZACILIK KONGRESİ, 26 - 29 April 2017
- XXVIII. **Inhibitory effects of usnic and carnosic acid on human serum paraoxonase-1 (PON1)**
Demir Y., CEYLAN H., Beydemir Ş.
3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, pp.520
- XXIX. **Cloning Expression and Characterization of Human Brain Acetylcholinesterase**
CEYLAN H., ERDOĞAN O.
International Urasia Pharmacy Congress., Erzincan, Turkey, 3 - 07 September 2015, pp.102-103
- XXX. **Effects of Iron Ions Fe³ on Expression Levels of Synapsin III Syntaxin IV Synaptogyrin I and Synaptogyrin IV Genes in RAT Rattus norvegicus Brain Hippocampus and Cortex**
TUNÇ A., CEYLAN H., ERDOĞAN O.
3rd International Congress Of The Molecular Biology Association Of Turkey, İzmir, Turkey, 10 - 12 September 2014
- XXXI. **Investigation of Alterations in Expression Levels of Heat Shock Protein Genes in Rat s Rattus Norvegicus Liver Tissues Exposed to Long Term Iron Fe 3**
ATENA G., CEYLAN H., ERDOĞAN O.
3rd International Congress Of The Molecular Biology Association Of Turkey, İzmir, Turkey, 10 - 12 September 2014
- XXXII. **Oxidative Stress in Rat Cortex**
CEYLAN H., ENVER FEHİM K., GÖNÜL N., ERDOĞAN O., BUDAK H.
3rd International Congress Of The Molecular Biology Association Of Turkey, İzmir, Turkey, 10 - 12 September 2014
- XXXIII. **Gene Expression and Activity of Some Antioxidant Enzyme in Oxidative Stress Induced by Long-Term Iron Overload in Rat Liver and Kidney**
BUDAK H., GONUL N., KOCPINAR E., CEYLAN H., ERDOĞAN O.
3rd International Congress of The Molecular Biology Association of, İzmir, Turkey, 10 - 12 September 2014, pp.1
- XXXIV. **Can we improve chondrial healing after microfracture? The effect of adipocyte tissue derived stem cell therapy**
CEYLAN H., BILSEL K., BUYUKPINARBASIL N., CEYLAN H., ERDİL M., TUNCAY I., SEN C.
European Federation of National Associations of Orthopaedics and Traumatology (EFORT) Congress, Londra, United Kingdom, 4 - 06 June 2014, pp.1
- XXXV. **The Effects of Different Iron Concentrations on Rat Heart Antioxidant Enzymes**
Kılınç N., CEYLAN H., Alım Z., ÜNVER Y., ERDOĞAN O., Beydemir Ş.
2nd International Conference on Environmental Science and Technology, Antalya, Turkey, 14 - 17 May 2014, pp.401
- XXXVI. **Biberiye rosmarinus officinalis ve kişniş coriandrum sativum yağının drosophila melanogaster asetilkolinesteraz enzimi üzerine in vivo etkilerinin incelenmesi**
YILDIZ M., ÜNVER Y., Kilic D., CEYLAN H., AŞKIN H.
Ulusal Tıbbi Biyoloji ve Genetik Kongresi, Aydın, Turkey, 27 - 30 October 2013, pp.421-422
- XXXVII. **Uzun süreli demir (Fe+3) iyonuna maruz bırakılan sıçanların (Rattus norvegicus) beyin dokularında Alzheimer hastalığı ile ilişkili bazı genlerin ekspresyon seviyelerindeki değişimin araştırılması**
CEYLAN H., ERDOĞAN O.
XIII. Ulusal Tıbbi Biyoloji ve Genetik Kongresi, Aydın, Turkey, 27 - 30 October 2013, pp.287
- XXXVIII. **Türkiye Akdeniz sahilinden örneklenen çeşitli ploidi düzeylerine sahip Bermuda çimi (Cynodon spp) türlerinde kloroplast DNA polimorfizminin belirlenmesi**
Ceylan A., Gülşen O., CEYLAN H., Akbulut M.
1. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Antalya, Turkey, 26 - 29 October 2010, pp.5
- XXXIX. **Bazı buğday (Triticum) çeşitlerinde peroksidaz gen polimorfizminin belirlenmesi**
CEYLAN H., Gülşen O., Ceylan A., Akbulut M.
1. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Antalya, Turkey, 26 - 29 October 2010, pp.33

Supported Projects

- HACIMÜFTÜOĞLU A., YEŞİLYURT F., ÇİÇEK B., ARI B., ALTUNLU Ö., BUDAK SAVAŞ A., ŞENYAYLA S., CEYLAN H., YENİ Y., TAŞKIN M., et al., Project Supported by Higher Education Institutions, Alzheimer Hastalığına Karşı Aşı Geliştirme, 2022 - Continues
- CEYLAN H., KANSU G., Project Supported by Higher Education Institutions, Tannik Asit Bazlı Fitoterapinin Doksorubisine Bağlı Kardiyak Toksikiteye Karşı Kardiyoprotektif Etkilerinin ve Profilaktik Potansiyelinin Mitokondriyal Biyogenez Açısından Araştırılması, 2022 - 2024
- CEYLAN H., KARAĞAÇ M. S., Project Supported by Higher Education Institutions, Tannik asitin sıçanlarda mono sodyum glutamat kaynaklı nörotoksositeye karşı koruyucu potansiyelinin sinaptik sistem bileşenleri açısından araştırılması, 2021 - 2022
- CEYLAN H., ÖZTÜRK N., Project Supported by Higher Education Institutions, Doksorubisin ile Oluşturulan Sıçan Karaciğer Hasarı Modelinde Tannik Asitin Koruyucu Etkiliğinin Araştırılması, 2021 - 2022
- CEYLAN H., YEŞİLKENT E. N., Project Supported by Higher Education Institutions, Sıçanlarda Doksorubisin Kaynaklı Nefrotoksikite Karşısında Tannik Asitin Koruyucu Potansiyelinin Değerlendirilmesi, 2021 - 2022
- ADIGÜZEL A., ERDOĞAN O., ÜNVER Y., CEYLAN H., YILDIZ M., KARADAYI G., ANAKÖK Ö. F., YILMAZ A., BALTACI M. Ö., AKBULUT S., et al., Project Supported by Higher Education Institutions, Moleküler Biyoloji ve Genetik Bölümünün Laboratuvar İmkanlarının ve Akademik Araştırma Potansiyelinin Geliştirilmesi, 2020 - 2022
- ADIGÜZEL A., TUYSUZ E., BALTACI M. Ö., CEYLAN H., ÜNVER Y., ERDOĞAN O., AKBULUT S., ANAKÖK Ö. F., BUDAK H., YILDIZ M., et al., Project Supported by Higher Education Institutions, Moleküler Biyoloji ve Genetik Bölümü Araştırma Destek Projesi, 2018 - 2019
- ERDOĞAN O., GHOSIGHAREHAGHAJI A., AŞKIN H., CEYLAN H., TORAMAN E., KARAKUŞ A., Project Supported by Higher Education Institutions, BAZI İNSAN BCL GEN AİLESİ ÜYELERİNE AİT PROMOTER BÖLGELERİNDE OLUŞTURULAN DELESYONLARIN VE ÇEŞİTLİ İNHİBİTÖRLERİN GEN EKSPRESYONLARI ÜZERİNE OLAN ETKİLERİNİN HÜCRE KÜLTÜRÜNDE ARAŞTIRILMASI, 2016 - 2018

Peer Reviews in Scientific Publications

- FRONTIERS IN BIOSCIENCE-LANDMARK, SCI Journal, December 2023
- İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, December 2023
- BMC CARDIOVASCULAR DISORDERS, SCI Journal, September 2023
- İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, September 2023
- NAUNYN-SCHMIEDEBERG'S ARCHIVES OF PHARMACOLOGY, SCI Journal, September 2023
- EUROPEAN JOURNAL OF MEDICAL RESEARCH, SCI Journal, September 2023
- Türk Doğa ve Fen Dergisi, National Scientific Refreed Journal, September 2023
- MEDICAL SCIENCE MONITOR, Journal Indexed in SCI-E, November 2021
- FRONTIERS IN COMPUTATIONAL NEUROSCIENCE, Journal Indexed in SCI-E, September 2021
- BIOENGINEERED, Journal Indexed in SCI-E, August 2021
- MEDICAL SCIENCE MONITOR BASIC RESEARCH, Journal Indexed in ESCI, August 2021
- BIOENGINEERED, Journal Indexed in SCI-E, July 2021
- THERAPEUTIC ADVANCES IN ENDOCRINOLOGY AND METABOLISM, Journal Indexed in SCI-E, July 2021
- MEDICAL SCIENCE MONITOR, Journal Indexed in SCI-E, June 2021
- ARCHIVES OF MICROBIOLOGY, Journal Indexed in SCI-E, June 2021
- INTERNATIONAL JOURNAL OF BIOLOGICAL SCIENCES, Journal Indexed in SCI-E, June 2021
- BIOINFORMATICS AND BIOLOGY INSIGHTS, Journal Indexed in ESCI, May 2021
- JOURNAL OF THE INSTITUTE OF SCIENCE AND TECHNOLOGY, Other journals, April 2021
- JOURNAL OF THE INSTITUTE OF SCIENCE AND TECHNOLOGY, Other journals, March 2020
- BIOLOGICAL TRACE ELEMENT RESEARCH, Journal Indexed in SCI-E, January 2020
- JOURNAL OF THE INSTITUTE OF SCIENCE AND TECHNOLOGY, Other journals, November 2019
- GENAQUA, Other journals, July 2019

GENAQUA, Other journals, May 2019

JOURNAL OF THE INSTITUTE OF SCIENCE AND TECHNOLOGY, Other journals, February 2019

Tasks In Event Organizations

Kalecik S., Sarıtaş S., Kılıç D., Ünver Y., Nişancı B., Toraman E., Ömeroğlu M. A., Orak T., Taş S., Levet A., et al., 1st International Symposium On Recent Advances In Fundamental And Applied Sciences (Isfas-2021), Scientific Congress, Erzurum, Turkey, Eylül 2021

Metrics

Publication: 89

Citation (WoS): 329

Citation (Scopus): 385

H-Index (WoS): 10

H-Index (Scopus): 11

Congress and Symposium Activities

1st International Conference on Frontiers in Academic Research, Attendee, Konya, Turkey, 2023

4th INTERNATIONAL CONFERENCE ON APPLIED ENGINEERING AND NATURAL SCIENCES, Attendee, Konya, Turkey, 2022

3rd INTERNATIONAL CONFERENCE ON APPLIED ENGINEERING AND NATURAL SCIENCES, Attendee, Konya, Turkey, 2022

Uluslararası Katılımlı OmikTeknolojilerin Klinikte ve Nadir Hastalıklarda Kullanımı Sempozyumu, Invited Speaker, İzmir, Turkey, 2022

SECOND INTERNATIONAL CONGRESS ON BIOLOGICAL AND HEALTH SCIENCES, Attendee, Afyonkarahisar, Turkey, 2022

1.ULUSAL BİYOLOJİK BİLİMLER KONGRESİ, Audience, Ankara, Turkey, 2021

World Congress on Applied Nanotechnology (W-CAN2021), Audience, Erzurum, Turkey, 2021

3. INTERNATIONAL SCIENCES AND INNOVATION CONGRESS, Audience, Ankara, Turkey, 2021

1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES ATATÜRK UNIVERSITY, ERZURUM, TURKEY, Audience, Erzurum, Turkey, 2021

1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021), Session Moderator, Erzurum, Turkey, 2021

1st International Symposium On Recent Advances In Fundamental And Applied Sciences (Isfas-2021), Audience, Erzurum, Turkey, 2021

International Biochemistry Congress/28th National Biochemistry Congress, Erzurum, Attendee, Turkey, 2017

International Biochemistry Congress/28th National Biochemistry Congress, Erzurum, Attendee, Turkey, 2017

International Biochemistry Congress/28th National Biochemistry Congress, Erzurum, Attendee, Turkey, 2017

1st International Congress on Medicinal and Aromatic Plants, Attendee, Turkey, 2017

3rd International Convention of Pharmaceuticals and Pharmacies, Attendee, Turkey, 2017

3rd International Convention of Pharmaceuticals and Pharmacies, Attendee, Turkey, 2017

International Euroasia Pharmacy Congress, Attendee, Turkey, 2015

International Euroasia Pharmacy Congress, Attendee, Turkey, 2015

3rd International Congress of The Molecular Biology Association of Turkey, Attendee, Turkey, 2014

3rd International Congress of The Molecular Biology Association of Turkey, Attendee, Turkey, 2014

3rd International Congress of The Molecular Biology Association of Turkey, Attendee, Turkey, 2014

3rd International Congress of The Molecular Biology Association of Turkey, Attendee, Turkey, 2014

European Federation of National Associations of Orthopaedics and Traumatology (EFORT) Congress, Attendee, United

Kingdom, 2014

2nd International Conference on Environmental Science and Technology, Attendee, Turkey, 2014

XIII. Ulusal Tıbbi Biyoloji ve Genetik Kongresi, Attendee, Turkey, 2013

XIII. Ulusal Tıbbi Biyoloji ve Genetik Kongresi, Attendee, Turkey, 2013

1. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Attendee, Turkey, 2010

1. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Attendee, Turkey, 2010

Scholarships

Yükseköğretim Kurulu Başkanlığı Yurtdışı Doktora Araştırma Desteği, YOK, 2015 - 2015

Non Academic Experience

The University of Tokyo, Misafir Araştırmacı