

Asst. Prof. SEYHAN TÜRK

Personal Information

Email: seyhan.turk@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/seyhan.turk>

International Researcher IDs

ORCID: 0000-0003-3843-4173

Publons / Web Of Science ResearcherID: AAB-1996-2021

ScopusID: 56982654400

Yoksis Researcher ID: 280373

Education Information

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Biyokimya, Turkey 2013 - 2018

Postgraduate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Biyokimya, Turkey 2009 - 2012

Undergraduate, Karadeniz Technical University, Fen Fakültesi, Biyoloji, Turkey 2004 - 2009

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

- Education Management and Planning, • Laboratuvarcılar İçin Araştırma Teknikleri ve Uygulamalı İstatistik Kursu, Türk Biyokimya Derneği, 2019
- Education Management and Planning, • Sağlık Bilimlerinde Uygulamalı Proje Geliştirme-Yürütme-Sonuçlandırma Eğitimi, Hacettepe Üniversitesi, 2018
- Education Management and Planning, • Laboratuvar Güvenliği Eğitim Programı, Hacettepe Üniversitesi, 2014
- Education Management and Planning, • Eğitimcilerin Eğitimi Programı, Hacettepe Üniversitesi, 2014
- Education Management and Planning, • Bilimsel Makale Yazma Kursu - II, Hacettepe Üniversitesi, 2014
- Education Management and Planning, • How to Publish a Scientific Journal Article, Hacettepe Üniversitesi, 2014
- Education Management and Planning, • Deneysel Hayvanı Kullanım Sertifika Programı, Hacettepe Üniversitesi, 2014
- Foreign Language, • İtalya Foggia Üniversitesi, İtalyanca Dil Kursu, İtalya Foggia Üniversitesi, 2012
- Education Management and Planning, • Web of Science Eğitim, Hacettepe Üniversitesi, 2011

Dissertations

- Doctorate, AKUT MİYELOBLASTİK LÖSEMİLERDE GEN TEMELLİ KANSER BİYOBELİRTEÇLERİN TESPİTİ ARACILIĞIYLA İLAÇ DUYARLILIĞI ALTGRUPLARININ BELİRLENMESİ VE PROGNOZ VE TEDAVİYE CEVABIN ÖNGÖRÜLMESİ, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Biyokimya, 2018
- Postgraduate, İNSAN ERİTROSİT GLUTATYON S-TRANSFERAZ Pİ İZOZİMİNİN SAFLAŞTIRILMASI VE HİPERİSİN İLE ETKİLEŞİMİNİN İNCELENMESİ, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Biyokimya, 2012

Research Areas

Basic Pharmaceutics Sciences, Health Sciences, Pharmacology and Therapeutics, Biochemistry

Academic Titles / Tasks

Assistant Professor, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2023 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Metabolomic signature in ocular dosing: Exploring the metabolic impacts of sublethal high-dose naringenin on ARPE-19 cells**
KAPLAN O., Koc E., TÜRK S., Kucukkilinc T. T., GÖKTAŞ Z., ÇELEBİER M.
EUROPEAN JOURNAL OF INTEGRATIVE MEDICINE, vol.72, 2024 (SCI-Expanded)
- II. **Enterotoxins A and B produced by Staphylococcus aureus increase cell proliferation, invasion and cytarabine resistance in acute myeloid leukemia cell lines.**
TÜRK S., Yanpar H., Baesmat A. S., Canli S., ÇINAR O. E., MALKAN Ü. Y., TÜRK C., HAZNEDAROĞLU İ. C., UÇAR G.
Heliyon, vol.9, no.9, 2023 (SCI-Expanded)
- III. **The probiotic-induced dysregulation of immune-related genes in colon cells and relation with colorectal cancer**
Türk S., Yılmaz A., Safari Baesmat A., Malkan Ü. Y., Ucar G., Türk C.
Cellular and Molecular Biology, vol.69, no.4, pp.37-45, 2023 (SCI-Expanded)
- IV. **Pathobiological alterations affecting the distinct clinical courses of pediatric versus adult COVID-19 syndrome**
ŞENEL E., TÜRK S., MALKAN Ü. Y., Peker M. Ç., TÜRK C., GÜNER H. R., UÇAR G., İZDEŞ S., KAYAASLAN B., BAYHAN G. İ., et al.
Turkish Journal of Medical Sciences, vol.53, no.5, pp.1194-1204, 2023 (SCI-Expanded)
- V. **Harbinger of Trouble; Fingerprints in the Pre-Senile Stage of NK Cell's Dysfunction**
TÜRK S., Baesmat A. S., YILMAZ A., MALKAN Ü. Y., TÜRK C., HAZNEDAROĞLU İ. C., UÇAR G.
UHOD - Uluslararası Hematoloji-Onkoloji Dergisi, vol.33, no.2, pp.66-74, 2023 (SCI-Expanded)
- VI. **NK-cell dysfunction of acute myeloid leukemia in relation to the renin-angiotensin system and neurotransmitter genes**
TÜRK S., Baesmat A. S., YILMAZ A., TÜRK C., MALKAN Ü. Y., UÇAR G., HAZNEDAROĞLU İ. C.
OPEN MEDICINE, vol.17, no.1, pp.1495-1506, 2022 (SCI-Expanded)
- VII. **Assessing the genetic impact of Enterococcus faecalis infection on gastric cell line MKN74**
TÜRK S., Turk C., Temirci E. S., Malkan Ü. Y., UÇAR G., Ozguven S. V.
ANNALS OF MICROBIOLOGY, vol.71, no.1, 2021 (SCI-Expanded)
- VIII. **Interferon-Gene Family Alterations Following the SARS-Cov Infection in Association with Iron Metabolism and Lymphoid Biology**
Malkan Ü. Y., TÜRK S., Turk C., Temirci E. S., Koker I., HAZNEDAROĞLU İ. C.
UHOD-ULUSLARARASI HEMATOLOJİ-ONKOLOJİ DERGİSİ, vol.31, no.2, pp.67-78, 2021 (SCI-Expanded)
- IX. **Current community transmission and future perspectives on the COVID-19 process**
TÜRK S., Turk C., Malkan Ü. Y., Temirci E. S., Peker M. C., HAZNEDAROĞLU İ. C.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.51, no.3, pp.1001-1011, 2021 (SCI-Expanded)
- X. **Renin angiotensin system genes are biomarkers for personalized treatment of acute myeloid leukemia with Doxorubicin as well as etoposide**
Turk S., Turk C., Akbar M., Kucukkaraduman B., Isbilen M., Demirkol C., Malkan Ü. Y., Okay M., Ucar G., Sayinalp N., et al.
PLOS ONE, vol.15, no.11, 2020 (SCI-Expanded)
- XI. **In vitro analysis of the renin-angiotensin system and inflammatory gene transcripts in human bronchial epithelial cells after infection with severe acute respiratory syndrome coronavirus**

- Turk C., TÜRK S., Temirci E. S., Malkan Ü. Y., HAZNEDAROĞLU İ. C.
JOURNAL OF THE RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM, vol.21, no.2, 2020 (SCI-Expanded)
- XII. **Ankaferd Hemostat Affects Etoposide Resistance of the Malignant Melanoma Cells**
Ghasemi M., OKAY M., Malkan Ü. Y., TÜRK S., Jabbar J., Hocaoglu H., HAZNEDAROĞLU İ. C.
UHOD-ULUSLARARASI HEMATOLOJİ-ONKOLOJİ DERGİSİ, vol.30, no.1, pp.43-53, 2020 (SCI-Expanded)
- XIII. **Three critical clinicobiological phases of the human SARS-associated coronavirus infections**
Turk C., Turk S., Malkan Ü. Y., Haznedaroglu I. C.
EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES, vol.24, no.16, pp.8606-8620, 2020 (SCI-Expanded)
- XIV. **The impact of At1r inhibition via losartan on the anti-leukaemic effects of doxorubicin in acute myeloid leukaemia**
Ghasemi M., OKAY M., TÜRK S., Naeemae R., Guver E., Malkan Ü. Y., AKSU S., SAYINALP N., HAZNEDAROĞLU İ. C.
JOURNAL OF THE RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM, vol.20, no.2, 2019 (SCI-Expanded)
- XV. **The Impact of AT1R Inhibition via Losartan on the Anti-Leukemic Effects of Doxorubicin in Acute Myeloid Leukemia.**
GHASEMİ m., OKAY M., TÜRK S., HAZNEDAROĞLU İ. C., AKSU S., SAYINALP N., MALKAN Ü. Y.
Journal Of The Renin-Angiotensin-Aldosterone System, 2019 (SCI-Expanded)
- XVI. **The impact of JAK/STAT inhibitor ruxolitinib on the genesis of lymphoproliferative diseases**
TÜRK TÜRK S., HAZNEDAROĞLU İ. C., TÜRK C.
Turkish Journal Of Medical Sciences, 2019 (SCI-Expanded)
- XVII. **The impact of JAK/STAT inhibitor ruxolitinib on the genesis of lymphoproliferative diseases**
Turk C., OKAY M., TÜRK S., Temirci E. S., Javad O., AKSU S., SAYINALP N., HAZNEDAROĞLU İ. C.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.49, no.2, pp.661-674, 2019 (SCI-Expanded)
- XVIII. **Toluidine blue O is a potent inhibitor of human cholinesterases**
BİBEROĞLU K., TEK M. Y., GHASEMI S., TACAL Ö.
ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, vol.604, pp.57-62, 2016 (SCI-Expanded)
- XIX. **Expression Profiles of the Individual Genes Corresponding to the Genes Generated by Cytotoxicity Experiments with Bortezomib in Multiple Myeloma**
GHASEMİ m., ALPSOY S., TÜRK TÜRK S., MALKAN Ü. Y., ATAKAN Ş., HAZNEDAROĞLU İ. C., GÜNEŞ G., Gunduz M., Yilmaz B., Etgul S., et al.
TURKISH JOURNAL OF HEMATOLOGY, vol.33, no.4, pp.286-292, 2016 (SCI-Expanded)
- XX. **Purification of Glutathione S-Transferase pi from Erythrocytes and Evaluation of the Inhibitory Effect of Hypericin**
TURK S., Kulaksiz-Erkmen G., Dalmizrak O., Ogus I. H., Ozer N.
PROTEIN JOURNAL, vol.34, no.6, pp.434-443, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **Determination of Sensitivity Subgroups of Endometrial Cancer Based on Renin Angiotensin System**
TÜRK S.
ERCIYES MEDICAL JOURNAL, vol.44, pp.495-500, 2022 (ESCI)
- II. **Caco-2 Hücre Hattı In Vitro Epitelyal Mezenkimal Geçiş Modelinde Glutasyon S-Transferaz- π Düzeyleri**
TÜRK S., BAYSAL İ., UÇAR G.
Hacettepe Üniversitesi Eczacılık Fakültesi Dergisi, vol.39, no.1, pp.10-16, 2019 (Peer-Reviewed Journal)
- III. **Glutathione S-transferase- π levels of in vitro generated epithelial mesenchymal transition model in caco-2 cell line Caco-2 hücre hattı in vitro epitelyal mezenkimal geçiş modelinde glutasyon s-transferaz- π düzeyleri**
TÜRK S., BAYSAL İ., UÇAR G.
Hacettepe University Journal of the Faculty of Pharmacy, vol.39, no.1, pp.10-16, 2019 (Scopus)

- IV. **Growth inhibitory activity of Ankaferd hemostat on primary melanoma cells and cell lines**
TÜRK TÜRK S., Malkan Ü. Y., Ghasemi M., Hocaoglu H., Mutlu D., Gunes G., AKSU S., HAZNEDAROĞLU İ. C.
SAGE OPEN MEDICINE, vol.5, 2017 (ESCI)

Books & Book Chapters

I. **Biochemical Tumor Markers**

TÜRK S.

in: HEALTH & SCIENCE 2023-I, Assoc. Prof. Dr. Hüseyin KAFADAR, Editor, Efe Akademi Yayınları, pp.59-70, 2023

II. **Dezenfeksiyon ve Sterilizasyon Yöntemleri**

TÜRK S.

in: Sağlık Çalışanları için Enfeksiyon Hastalıkları, Prof. Dr. Şükrü Volkan Özgüven, Uzm. Dr. Levent Hayat, Dr. Öğr. Gör. Esra Türker, Editor, Dünya Tıp Kitabevi, Ankara, pp.407-426, 2021

Refereed Congress / Symposium Publications in Proceedings

I. **NK cell dysfunction of acute myeloid leukemia in relation to the RAS**

TÜRK S., YILMAZ A., TÜRK C., UÇAR G.

COST Action CA21135 - 1st IMMUNO-model COST Action Conference Exploring the Frontiers of Cancer Immunotherapy: From Models to Breakthroughs, Badalona, Spain, 1 - 02 June 2023

II. **Staphylococcal enterotoxin B dependent immune gene dysregulation and development of resistance to idarubicin in acute myeloid leukemia**

TÜRK C., Yanpar H., TÜRK S., UÇAR G.

1st IMMUNO-model COST Action Conference Exploring the Frontiers of Cancer Immunotherapy: From Models to Breakthroughs, Badalona, Spain, 1 - 02 June 2023

III. **AKUT MİYELOİD LÖSEMİDE EPİTELYAL-MEZENKİMAL GEÇİŞ'İN TERSİNE ÇEVİRİLMESİ VE HÜCRELERİN SEÇİCİ İLAÇLARA YENİDEN HASSASLAŞTIRILMASI**

TÜRK S.

15.th International Scientific Research Congress, Turkey, 17 - 18 December 2022

IV. **Immune-related genes as gene biomarkers for some FDA-approved drugs in acute myeloid leukemia**

TÜRK S., YILMAZ A., TÜRK C.

5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Turkey, 23 - 25 November 2022

V. **Acinetobacter baumannii izolatlarında kolistin direnci ile ilişkili biyobelirteç genlerin in silico analizlerle incelenmesi**

YILMAZ A., TÜRK S., TÜRK C.

1st International Conference on Innovative Academic Studies, Turkey, 10 - 13 September 2022

VI. **Acinetobacter baumannii kolistin direnci ile ilişkili genlerin in silico analizlerle incelenmesi**

YILMAZ A., TÜRK S., TÜRK C.

1st International Conference on Innovative Academic Studies, Turkey, 10 September 2022

VII. **Identification of Differentially Expressed Genes in Papillary Thyroid Carcinoma Patients with Hashimoto's Thyroiditis Compared To Patients Without Hashimoto's Thyroiditis Using An in Silico Approach and Investigation Of These Genes' Roles in The Progress of Papillary Thyroid Carcinoma**

YILMAZ A., TÜRK S., Baesmat A. S., KAÇAROĞLU D., TÜRK C.

2nd International Multidisciplinary Cancer Research Congress, Giresun, Turkey, 21 - 24 July 2022, vol.9786250008867, pp.93

VIII. **In silico prediction of chemosensitivity to Saracatinib in Melanoma cell lines**

TÜRK C., TÜRK S.

International Congress of Medicine and Health Science, Ankara, Turkey, 26 - 28 April 2021

- IX. **KANSERE KARŞI MİKROFLORAMIZ**
TÜRK S., TÜRK C.
2nd INTERNATIONAL CONGRESS OF MULTIDISCIPLINARY STUDIES IN MEDICAL SCIENCES, Ankara, Turkey, 13 February 2021
- X. **BAKTERİYEL EKZOTOKSİNLERİN VE KANSER HÜCRELERİNİN İKİLİ ETKİLEŞİMİ**
TÜRK S., TÜRK C.
3. Uluslararası Sağlık Bilimleri ve İnovasyon Kongresi, Ankara, Turkey, 12 January 2021
- XI. **BAKTERİYAL ENFEKSİYONLARIN KEMOTERAPİYE YANIT VE KANSER ÖZELLİKLERİNE ETKİSİ; DOST MU? DÜŞMAN MI?**
TÜRK S., TÜRK C.
Zeugma 4. Uluslararası Bilimsel Araştırmalar Kongresi, Gaziantep, Turkey, 29 - 31 May 2020
- XII. **Determination of Drug Sensitivity Subgroups in Acute Myeloblastic Leukemia by the Detection of Gene Based Cancer Biomarkers and the Prediction of Prognosis and Treatment.**
TÜRK TÜRK S., TÜRK C., HAZNEDAROĞLU İ. C., SAYINALP N.
The Febs Congress, 6 - 11 July 2019
- XIII. **Subgroups of Acute Leukemia Based on RAS Gene Family Expression.**
TÜRK TÜRK S.
COST Action CM1407 4th Meeting, Lizbon, Portugal, 21 September 2017, pp.1-7
- XIV. **Dosage and Time Related Efficacy Assessment of Growth Inhibitory Activity of Ankaferd Hemostat on Primary Melanoma Cells and Cell Lines.**
TÜRK TÜRK S.
COST Action CM1407 4th Meeting, Lizbon, Portugal, 21 September 2017, pp.1-7
- XV. **In silico prediction and in vitro validation of chemosensitivity to Bortezomib in multiple myeloma cell lines**
TÜRK TÜRK S.
Moleküler Biyoloji Derneği Kongresi, Ankara, Turkey, 27 November 2016, pp.1-7
- XVI. **Overexpression of Glutathione S-Transferase- π (GST- π) in Epithelial Mesenchymal Transition (EMT) Model of Caco2 Cells and the Effect of GST Inhibition with Hypericin**
TÜRK TÜRK S.
The Embo meeting, Mannheim, Germany, 10 September 2016, pp.1-7
- XVII. **Determination of chemoterapoetic drug sensitivity subgroups of acute leukemia**
TÜRK S., Ghasemi M., MALKAN Ü. Y., Erikci A., GÖKER H., SAYINALP N., HAZNEDAROĞLU İ. C., Gure A. O., UÇAR G.
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.373-374
- XVIII. **Predicting the Progression of Subclinical MGUS to Clinically Active MM in Multiple Myeloma**
TÜRK TÜRK S.
Moleküler Biyoloji Derneği Kongresi, Ankara, Turkey, 27 November 2015, pp.1-7
- XIX. **Toluidine blue o is a potent inhibitor of human cholinesterases**
Biberoglu K., TÜRK S., Tek M. Y., Tacal O.
Febs Embo 2014 Congress, Paris, France, 30 August - 04 September 2014
- XX. **The role of peripheral anionic site in binding of toluidine blue O to human butyrylcholinesterase**
BİBEROĞLU K., Turk Ghasemi S., YÜKSEL TEK M., TACAL Ö.
FEBS EMBO, 30 August - 04 September 2014
- XXI. **An in vitro study: the interaction of photosensitizer compound hypericin with human erythrocyte glutathione S-transferase-pi.**
TÜRK TÜRK S.
The Embo meeting, Amsterdam, Netherlands, 23 September 2013, pp.1-7
- XXII. **İnsan Eritrosit Glutasyon S-transferaz Pi İzoziminin Saflaştırılması**
TÜRK TÜRK S.
24. Ulusal Biyokimya Kongresi, Konya, Turkey, 25 September 2012, pp.1-7

XXIII. Purification of Glutathione S-Transferases Pi isozyme from Human Erythrocytes

TÜRK S., KULAKSIZ ERKMEN G., DALMIZRAK Ö., NAZMI Ö., Ogus I. H.

24. Ulusal Biyokimya Kongresi, Konya, Turkey, 25 - 28 September 2012

Supported Projects

UÇAR G., Pekgöl F., BAYSAL İ., TÜRK S., ÖZÇELİK B., Project Supported by Higher Education Institutions, Kolorektal Kanserde 3D Epitelyal Mezenkimal Geçiş EMT Modelinde Matriks Metalloproteinaz MMP Düzeylerinin Belirlenmesi ve MMP İnhibitörünün Hedeflenmesi ile Adjuvan Terapi Etkinliğinin Arttırılması, 2022 - Continues

UÇAR G., TÜYLÜ KÜÇÜKKILINÇ Z. T., ÇANKAYA İ. İ., TÜRK S., BOZKURT T. E., Project Supported by Higher Education Institutions, Doğal ve Sentetik Kaynaklı Yeni İlaç Moleküllerinin Güncel Yöntemler İle Geliştirilmesi, 2022 - 2024

Türk S., Şenel E., Project Supported by Higher Education Institutions, Koronavirüs immünogenomik fazlarının pediatrik ve erişkin COVID19 klinik seyrine etkileri, 2021 - 2022

Türk S., Türk C., Yaylacı S., Project Supported by Higher Education Institutions, Melanoma hastalarında src inhibitörleri kullanılmasına yönelik prognostik biyobelirteç genlerin belirlenmesi, 2020 - 2021

TÜRK S., TÜRK C., UÇAR G., DEMİRKOL CANLI S., HAZNEDAROĞLU İ. C., Project Supported by Higher Education Institutions, Stafilokokal enterotoksinler SEA ve SEB varlığında Akut miyeloid lösemi (AML) hücre hatlarının ilaç yanıtı profilinin ve kemoterapiye yanıtının belirlenmesi, 2019 - 2021

SAYINALP N., TÜRK S., MALKAN Ü. Y., TUBITAK Project, Akut Lösemilerde İlaç Hassasiyet Altgruplarının Belirlenmesi, 2017 - 2020

Türk S., Haznedaroğlu İ. C., Türkk C., Project Supported by Higher Education Institutions, Anjiyotensin II Sitokininin AMLde Losartan İlacı için Prognostik Biyobelirteç Olarak Kullanılması, 2018 - 2018

Türk S., Baysal İ., Project Supported by Higher Education Institutions, CACO-2 HÜCRELERİNDE MEZENKİMAL-EPİTELYAL GEÇİŞ MODELİ OLUŞTURULMASI, HER İKİ FORMDA OKSİDATİF STRES FAKTÖRÜ GST-Pİ, GST-MU DÜZEYLERİNDEKİ FARKLILIKLARIN BELİRLENMESİ VE ANTİGST UYGULAMASI, 2015 - 2016

TACAL Ö., TUBITAK Project, Alzheimer Hastalığının Tedavisinde Fenoksazin ve Fenotiyazin Yapılı Bileşiklerin Kullanımlarının Değerlendirilmesi ve Etki Mekanizmalarının Araştırılması, 2013 - 2016

Metrics

Publication: 49

Citation (WoS): 136

Citation (Scopus): 102

H-Index (WoS): 7

H-Index (Scopus): 6

Scholarships

Young Scientist Forum Grant Award, Official Institutions of Foreign Countries, 2019 - 2019

Awards

Yılmaz A., Türk S., Baesmat A. S., Kaçaroğlu D., Türk C., En iyi 2. poster, Moleküler Kanser Araştırma Derneği, July 2022

Türk S., 'Türk Biyokimya Derneği - Prof. Dr. Nazmi Özer Bilim Ödülü', 2020 , Türk Biyokimya Derneği, November 2020

Non Academic Experience

CA-21135 COST European Cooperation in Science and Technology

Other, CA-16223 LEukaemia GENE Discovery by data sharing, mining and collaboration (LEGEND) COST European Cooperation in Science and Technology, CA-16223 LEukaemia GENE Discovery by data sharing, mining and collaboration (LEGEND) COST European Cooperation in Science and Technology