



Assist. Prof. Dr. YALDA HEKMATSHOAR

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Interview Hours: Pazartesi - 13:00 - 14:00 Çarşamba- 14:00 - 15:00
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GOK-2107-2022

EDUCATIONAL INFORMATION

Degree	University	Department	Year(s)
Doctoral Degree	Ankara University	Medical Biology (Phd)	2013 - 2019
Master's Degree	Ankara University	Medical Biology (Master's) (with Thesis)	2011 - 2013

RESEARCH AREAS

Cancer, Drug Resistance, Stem cell, Cell Death Pathways, Genetic Diseases, Epigenetics, Medical Biology, Molecular Biology

ACADEMIC DUTIES

Duty	University	Area	Year(s)
Assistant Professor	Altinbas University	Medicine Faculty, Medical Biology Department	2022 -

ADMINISTRATIVE DUTIES

Duty	University	Year(s)
Medical Faculty 1st Year Coordinator	Altinbas University	2024 -
Member of accreditation commission	Altinbas University	2022 -

ACADEMIC AND PROFESSIONAL MEMBERSHIPS

Organisation	Membership	Year(s)
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NON-UNIVERSITY EXPERIENCE

Country	Organisation	Duty	Year(s)
United States	University of Missouri Child Health Department	Post Doctoral Researcher	2020 - 2021

BOOKS

Goodman'ın Tıbbi Hücre Biyolojisi

HEKMATSHOAR YALDA

Elsevier, 978-625-6340-55-8, 2024

Book Translation Chapter(s)

Biyokimya

KARADAĞ GÜREL AYNUR, HEKMATSHOAR YALDA

İstanbul Tıp Kitapevleri, 978-625-8103-62-5, 2022

Scientific Book Chapter(s)

Biyokimya

HEKMATSHOAR YALDA, KARADAĞ GÜREL AYNUR

İstanbul Tıp Kitapevleri, 978-625-8103-62-5, 2022

Scientific Book Chapter(s)

ARTICLES

ARTICLES**Phenotypic and functional characterization of subpopulation of Imatinib resistant chronic myeloid leukemia cell line**

SUNGUROĞLU ASUMAN, ÖZKAN TÜLİN

Elsevier BV, 2023

International DOI: 10.1016/j.advms.2023.06.002**Methylsulfonylmethane induces caspase-dependent apoptosis in acute myeloid leukemia cell lines**

Y Hekmatshoar, AZ Karabay, T Ozkan, A Koc, A Sunguroglu

Fundam Clin Pharmacol, 2024

International DOI: 10.1111/fcp.13030**Some 2-[4-(1 H -benzimidazol-1-yl) phenyl]-1 H -benzimidazole derivatives overcome Imatinib resistance by induction of apoptosis and reduction of P-glycoprotein activity**

HEKMATSHOAR YALDA, ÖZKAN TÜLİN, ALP MEHMET, ALP AYŞE SELEN, SUNGUROĞLU ASUMAN

Chemical Biology & Drug Design, 2023

International DOI: 10.1111/cbdd.14343**DOWNREGULATION OF STEAROYL-COA DESATURASE 1 (SCD-1) PROMOTES RESISTANCE TO IMATINIB IN CHRONIC MYELOID LEUKEMIA**

ALTINOK GÜNEŞ BUKET, HEKMATSHOAR YALDA, ÖZKAN TÜLİN, BOZKURT SÜREYYA, AYDOS OYA SENA, BÜYÜKAŞIK YAHYA, ALADAĞ KARAKULAK ELİFCAN, SUNGUROĞLU ASUMAN

Mediterranean Journal of Hematology and Infectious Diseases, 2023

International DOI: 10.4084/MJHID.2023.008**AN INVESTIGATION ON THE EFFECTS OF SIRT5 MODULATORS ON SIRT5 AND CYTOCHROME C PROTEIN EXPRESSIONS IN K562 CHRONIC MYELOID LEUKEMIA CELL LINE", Ankara Üniversitesi Eczacılık Fakültesi Dergisi**

ÖZKAN TÜLİN, KOÇ ASLI, KARABAY ARZU ZEYNEP, HEKMATSHOAR YALDA, SUNGUROĞLU ASUMAN

Ankara Üniversitesi Eczacılık Fakültesi Dergisi, 2022

International DOI: 10.33483/jfpau.1081893**Evidence for Health-Promoting Properties of Lepidium sativum L.: An Updated Comprehensive Review**

HEKMATSHOAR YALDA, ÖZKAN TÜLİN

Turkish Journal of Pharmaceutical Sciences, 2022

National DOI: 10.4274/tjps.galenos.2021.07504**Assessment of azithromycin as an anticancer agent for treatment of imatinib sensitive and resistant CML cells**

HEKMATSHOAR YALDA

Elsevier BV, 2021

International DOI: 10.1016/j.leukres.2021.106523**Cytotoxic effect of 6-Shogaol in Imatinib sensitive and resistant K562 cells**

HEKMATSHOAR YALDA

Springer Science and Business Media LLC, 2021

International DOI: 10.1007/s11033-021-06141-2**The Expression Levels of Klotho, Endothelial Nitrite Oxide Synthetase and Catalase Genes of the Heart Tissues of Young and Old Rats**

HEKMATSHOAR YALDA

Galenos Yayınevi, 2020

National DOI: 10.4274/atfm.galenos.2020.07279**β-catenin mutations in acute myeloid leukemia**

HEKMATSHOAR YALDA

Medknow, 2020

International DOI: 10.4103/ejh.ejh_54_19

ARTICLES

The impact of tumor and gut microbiotas on cancer therapy: Beneficial or detrimental?

HEKMATSHOAR YALDA

Elsevier BV, 2019

International DOI: 10.1016/j.lfs.2019.116680

Determination of the Apoptotic Effect and Molecular Docking of Benzamide Derivative XT5 in K562 Cells

HEKMATSHOAR YALDA

Bentham Science Publishers Ltd., 2019

International DOI: 10.2174/1871520618666171229222534

Multifaceted Therapeutic Potential of Plant-Derived Exosomes: Immunomodulation, Anticancer, Anti-Aging, Anti-Melanogenesis, Detoxification, and Drug Delivery

KARABAY ARZU ZEYNEP, BARAR JALE, HEKMATSHOAR YALDA, Rahbar Saadat Yalda

Biomolecules, 2025

International DOI: 10.3390/biom15030394

Identification of exosomal microRNAs and related hub genes associated with imatinib resistance in chronic myeloid leukemia

KARABAY ARZU ZEYNEP, ÖZKAN TÜLİN, KARADAĞ GÜREL AYNUR, KOÇ ASLI, HEKMATSHOAR

YALDA, SUNGUROĞLU ASUMAN, AKTAN FÜGEN, BÜYÜKBİNGÖL ZELİHA

Naunyn Schmiedebergs Arch Pharmacol, 2024

International DOI: 10.1007/s00210-024-03198-1

The role of metabolism and tunneling nanotube-mediated intercellular mitochondria exchange in cancer drug resistance

HEKMATSHOAR YALDA

Portland Press Ltd., 2018

International DOI: 10.1042/BCJ20170712

Expression analysis of Akirin-2, NFκB-p65 and β-catenin proteins in imatinib resistance of chronic myeloid leukemia

HEKMATSHOAR YALDA

Informa UK Limited, 2018

International DOI: 10.1080/10245332.2018.1488795

Characterization of imatinib-resistant K562 cell line displaying resistance mechanisms

HEKMATSHOAR YALDA

CMB Association, 2018

International DOI: 10.14715/cmb/2018.64.6.5

Apoptotic Effects of Some Tetrahydronaphthalene Derivatives on K562 Human Chronic Myelogenous Leukemia Cell Line

HEKMATSHOAR YALDA

Bentham Science Publishers Ltd., 2018

International DOI: 10.2174/1871521409666170412122811

Genetic Polymorphisms in PRM1, PRM2, and YBX2 Genes are Associated with Male Factor Infertility

HEKMATSHOAR YALDA

Mary Ann Liebert Inc, 2018

International DOI: 10.1089/gtmb.2017.0040

Kemik İliği Stroması: Hücreleri ve Mikroçevresi

HEKMATSHOAR YALDA

Ankara University, 2017

National DOI: 10.1501/Ashd_00000000130

Methylsulfonylmethane Induces p53 Independent Apoptosis in HCT-116 Colon Cancer Cells

HEKMATSHOAR YALDA

MDPI AG, 2016

International DOI: 10.3390/ijms17071123

ARTICLES

Akut miyeloid lösemide akirin2 geninin ifadesi

HEKMATSHOAR YALDA

Ankara University, 2016

National DOI: 10.1501/Ashd_0000000112

Combating chronic kidney disease-associated cachexia: A literature review of recent therapeutic approaches

Rahbar Saadat Yalda, Abbasi Amin, Hejazian Seyyed Sina, HEKMATSHOAR YALDA, Ardalan Mohammadreza, Farnood

Farahnoosh, Zununi Vahed Sepideh

BMC Nephrology, 2025

International DOI: 10.1186/s12882-025-04057-8

PROCEEDINGS

Screening and identification of key miRNAs and targeted genes in myeloid neoplasms progression

HEKMATSHOAR YALDA

Third International Congress on Biological and Health Sciences, 2023

International

DETERMINATION OF GENE EXPRESSION DIFFERENCES IN ACUTE LYMPHOBLASTIC LEUKEMIA SPECIMENS SUSCEPTIBLE OR RESISTANT TO IN VITRO TREATMENT WITH GLUCOCORTICOIDS

HEKMATSHOAR YALDA

INTERNATIONAL AEGEAN SYMPOSIUMS Natural & Medical Sciences-VI, 2022

International

CHARACTERIZATION OF SUBPOPULATION OF IMATINIB RESISTANT CHRONIC MYELOID LEUKEMIA CELL LINE DISPLAYING ADHERENT PHENOTYPE

HEKMATSHOAR YALDA, ÖZKAN TÜLİN, Rahbar Saadat Yalda, KARADAĞ GÜREL AYNUR, SUNGUROĞLU ASUMAN
2. INTERNATIONAL ONCOLOGICAL EMERGENCY CONGRESS, 2022

International

IMPLICATION OF PLANT-DERIVED EXTRACELLULAR VESICLES IN CANCER THERAPY

HEKMATSHOAR YALDA, RAHBAR SAADAT YALDA, OMIDI YADOLLAH, BARAR JALE

INTERNATIONAL ONCOLOGICAL EMERGENCIES CONGRESS, 2021

International

PROJECTS

Kronik Miyeloid Lösemi’de Gelişen Dirençte Hücrelerin Yeniden Programlanmasında Mitokondrilerin Etkisi (Researcher)

Research Project, 21.08.2015 - 27.07.2018

National Completed

Sisplatin Dirençli İnsan Over Kanseri Hücrelerinde Biyoaktif PAN/PVA/PLLA Nanofiber Kompleksine Bağlı Bakırın Cuproptosis Aracılı Hücre Ölümüne Etkisinin Araştırılması (Researcher)

Tübitak 1001, 15.10.2023 -

National Continues

Beta katenin, NFkB ve akirin proteinlerinin birliktelikleri ve imatinib direncindeki rolleri (Scholar)

Tübitak 1001, 15.10.2011 - 15.10.2013

National Completed

İnsan Kardiyomiyosit Hücrelerinin Mezenkimal Kök Hücreler ile Füzyonu ve Yeniden Programlanması (Scholar)

Tübitak 1001, 15.01.2012 - 03.02.2015

National Completed

İntegrin alpha 2'nin Kronik Miyeloid Lösemide gelişen İmatinib direncindeki rolünün araştırılması (Executive)

Research Project, 07.03.2023 -

National Continues

PROJECTS

KML Etiyolojisinde ve İlaç Direncinde Etkili Olan Genlerin Analizi. (Researcher)

Research Project, 06.10.2015 - 06.04.2018

National Completed

Glioblastoma Multiforme (GBM) İlaç Direncinde Rol Oynayan CD133+ Glioblastoma Kök Hücrelerini (GKH) Hedefleyen Terapötik Monoklonal Antikor Geliştirilmesi (Scholar)

Tübitak 1003, 01.08.2014 - 06.12.2018

National Completed

THESIS SUPERVISION

COURSES

Course Type	Course Code	Course Name
Bachelor's Degree	MED150-C1	MOLECULAR AND CELLULAR MEDICAL SCIENCES COMMITTEE I
Bachelor's Degree	MED150-C2	MOLECULAR AND CELLULAR MEDICAL SCIENCES COMMITTEE II
Bachelor's Degree	MED150-C3	MOLECULAR AND CELLULAR MEDICAL SCIENCES COMMITTEE III
Bachelor's Degree	MED150-C4	MOLECULAR & CELLULAR MEDICAL SCIENCES IV
Bachelor's Degree	MED200-C1	STRUCTURE AND FUNCTIONS OF NORMAL BODY SYSTEMS COMMITTEE I
Bachelor's Degree	MED200-C2	BLOOD, CIRCULATORY & RESPIRATORY SYSTEMS COMMITTEE II
Bachelor's Degree	MED200-C3	DIGESTIVE SYSTEM & METABOLISM COMMITTEE III
Bachelor's Degree	MED200-C4	CENTRAL NERVOUS SYSTEM COMMITTEE IV
Bachelor's Degree	MED200-C5	ENDOCRINE & UROGENITAL SYSTEMS COMMITTEE V
Bachelor's Degree	MED131	Medical Biology and Genetics

PERSONAL INFORMATION

CONTACT INFORMATION

Interview Hours: Pazartesi - 13:00 - 14:00 Çarşamba- 14:00 - 15:00

Bakırköy Health Campus

Kartaltepe Mah. İncirli Cad. No:11 Bakırköy - İstanbul

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