Mehdi Azad

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Shahid Bahonar Boulevard, University of Medical Sciences, Faculty of Allied Medicine, Department of Medical laboratory sciences, Qazvin, Iran

Skills

- Polymerase Chain Reaction (PCR)
- Methylation Specific PCR
- Real - Time PCR
- Allele Specific PCR
- PCR-RFLP
- bisulphite sequencing PCR
- Methylated DNA immunoprecipitation
- Primer Design & Bioinformatics
- Cell Culture Methods

Education

2000 - 2002

Associate in Laboratory Sciences

Branch: Basic Sciences

Institute/University: Tabriz University of Medical Sciences

Tabriz , East Azerbaijan, Iran

2002 - 2004

Bachelor of Laboratory Sciences

Branch: Basic Sciences

Institute/University: Shahid Beheshti University of Medical Sciences

Tehran, Iran

2005 - 2008

Master of Hematology & Blood Transfusion

Branch: Basic Sciences

Institute/University: Tarbiat Modarres University

Tehran, Iran

2008 - 2012

PhD in Hematology & Blood Transfusion

Branch: Basic Sciences

Institute/University: Tarbiat Modarres University

Tehran, Iran

Work Experience

December 2012 - March 2019

Assistant Professor

Qazvin University of Medical Sciences, Faculty of Paramedicine

Qazvin, Iran

March 2019 - March 2025

Associate Professor

Qazvin University of Medical Sciences, Faculty of Paramedicine

Qazvin, Iran

March 2025 - Present

Professor

Qazvin University of Medical Sciences, Faculty of Paramedicine

Qazvin, Iran

Research

2013

Gene Expression Status and Methylation Pattern in Promoter of P15INK4b and P16INK4a Genes in Cord Blood CD 34 + Stem Cells

Publisher: Iranian Journal of Basic Medical Sciences (IJBMS)

2014

Challenges in the treatment of Iranian patients with leukemia in comparison with developed countries from the perspective of specialists

Publisher: Journal of Paramedical Sciences (JPS)

2014

Assessment of Thiopurine–based drugs according to TPMT genotype in patients with Acute Lymphoblastic Leukemia

Publisher: Iranian Journal of Pediatric Hematology Oncology (IJPHO)

2015

Lentiviral vectors titration using real-time PCR

Publisher: Journal of Paramedical Sciences (JPS)

2015

Ineffectiveness of Methylation in Rgulation of VHL, ECAD, and RUNX3 genes in Erythroid Cells Differentiated by Erythropoietin

Publisher: Novelty in BioMedicine (NBM)

2015

Correlation between Methylation and Expression Level of P15 and P16 Genes during Differentiation of Cord Blood Stem Cells into Erythroid Lineage Mediated by Erythropoietin

Publisher: Novelty in BioMedicine (NBM)

2015

Profile of side Effects in Patients Receiving Blood Transfusion from the Perspective of Management Unit

Publisher: Novelty in BioMedicine (NBM)

2015

Genotyping of Peroxisome Proliferator-Activated Receptor gamma in Iranian Patients with Helicobacter pylori Infection

Publisher: Asian Pacific Journal of Cancer Prevention (APJCP)

2015

Short View of Leukemia Diagnosis and Treatment in Iran

Publisher: International Journal of Hematology Oncology and Stem Cell Research

2015

Nanofiber Expansion of Umbilical Cord Blood Hematopoietic Stem Cells

Publisher: Iranian Journal of Pediatric Hematology Oncology (IJPHO)

2015

Apolipoproteins A1, B, and other prognostic biochemical cardiovascular risk factors in patients with beta-thalassemia major

Publisher: Hematology (ISH)

2016

Microchips and their Significance in Isolation of Circulating Tumor Cells and Monitoring of Cancers

Publisher: Asian Pacific Journal of Cancer Prevention (APJCP)

2016

The effect of receptor activator of nuclear factor kB and RANK ligand on in-vitro differentiation of cord blood hematopoietic stem cell to osteoclast

Publisher: Cell Journal

2016

Gene Expression and Promoter Methylation Status of Vhl, Runx3, E-cadherin, P15 and P16 Genes During EPO-Mediated Erythroid Differentiation CD34+ Hematopoietic Stem Cells

Publisher: Iranian Journal of Pediatric Hematology Oncology (IJPHO)

2016

A Review on Iron Chelators In the Treatment of Iron Overload syndromes

Publisher: International Journal of Hematology Oncology and Stem Cell Research

2016

Assessment of Liver and Kidney Functional Parameters along with oxidative Stress and Inflammatory Biomarker in Patients with β-Thalassemia major

Publisher: Iranian Journal of Pediatric Hematology Oncology (IJPHO)

2016

Identification of a Novel Cassette Array in Integron bearing

Helicobacter Pylori Strains Isolated from Iranian Patients

Publisher: Asian Pacific Journal of Cancer Prevention (APJCP)

2016

The correlation between SMG1 promoter methylation and its expression in acute lymphoblastic leukemia patient

Publisher: Archives of Medical Laboratory Sciences (AMLS)

2017

Promoter Methylation and Gene Expression in Human CD34+ Stem Cells Derived Erythroid Lineage by MicroRNA

Publisher: Iranian Journal of Pediatric Hematology Oncology (IJPHO)

2017

Patterns of DNMT1 Promoter Methylation in Patients with Acute Lymphoblastic Leukemia

Publisher: International Journal of Hematology Oncology and Stem Cell Research

2017

Effect of calprotectin subunit S100A9 on the expression and methylation of OCLN in human melanoma cell line A-375

Publisher: Turkish Journal of Biology (TJB)

2018

Methylation Profile of Von Hippel Lindau Gene Promoter in Acute Lymphoblastic Leukemia Patients

Publisher: Basic & Clinical Cancer Research (BCCR)

2018

Evaluation of Wilms' Tumor (WT1) Gene Methylation in Acute Lymphocytic Leukemia Patients

Publisher: Basic & Clinical Cancer Research (BCCR)

2018

Various Signaling Pathways in Multiple Myeloma Cells and Effects of Treatment on These Pathways

Publisher: Clinical Lymphoma, Myeloma & Leukemia (CLML)

2018

A Review on Leukemia and iPS Technology: Application in Novel Treatment and Future

Publisher: Current Stem Cell Research & Therapy (CSCRT)

2018

Methylation Status of SMG1 Gene Promoter in Multiple Myeloma

Publisher: Iranian Journal of Blood & Cancer (IJBC)

2018

Methylation Status of Interleukin-6 Gene Promoter in Patients with Behçet's Disease

Publisher: Reumatologia Clinica (RC)

2018

Dual Effects of Omega -6, and -9 Fatty Acids on Ovarian Cancer Cell Viability and Their Ability to Induce Apoptosis

Publisher: Advances in Proteomics and Bioinformatics

2019

Evaluation of PTEN gene promoter methylation in patients predisposed to thrombosis (Hypercoagulable state) by methylation specific PCR

Publisher: Reports of Biochemistry and Molecular Biology (RBMB)

2019

Decreased expression of the Keap1 gene and its clinicopathological significance in gastric cancer: Correlation with promoter DNA methylation

Publisher: Gazzetta Medica Italiana (GMI)

2019

Angiopoietin-like protein 8 (betatrophin) may inhibit hepatocellular carcinoma through suppressing of the Wnt signaling pathway

Publisher: Iranian Journal of Basic Medical Sciences (IJBMS)

2019

Omega-3 PUFA Alters the Expression Level but Not the Methylation Pattern of the WIF1 Gene Promoter in a Pancreatic Cancer Cell Line (MIA PaCa-2)

Publisher: Biochemical Genetics (BG)

2019

Upregulation of Pro-inflammatory Cytokine Genes by Parvovirus B19 in Human Bone Marrow Mesenchymal Stem Cells

Publisher: Biochemical Genetics (BG)

2019

Updates on Novel Erythropoiesis-Stimulating Agents: Clinical and Molecular Approach

Publisher: Indian Journal of Hematology and Blood Transfusion (IJHBT)

2019

Reduced Expression Levels of the MST1 gene in the Peripheral Blood of Patients with Prostate Cancer

Publisher: Basic & Clinical Cancer Research (BCCR)

2019

Drug switching, a creative approach to leukemia therapy

Publisher: Iranian Journal of Blood and Cancer (IJBC)

2019

The Study of Nurses Knowledge and Performance Quality of Qazvin Hospitals about the Process of Blood Transfusion

Publisher: Advances in Nursing and Midwifery (ANM)

2020

Upregulation of Pro-inflammatory Cytokine Genes by Parvovirus B19 in Human Bone Marrow Mesenchymal Stem Cells

Publisher: Biochemical Genetics (BG)

2020

Analysis of Methylation and Expression Profile of Foxp3 Gene in Patients with Behçet's Syndrome

Publisher: Iranian Journal of Allergy, Asthma and Immunology (IJAAI)

2020

Changes of WIF-1 and WT-1 genes expression following the anti-cancer effects of omega-3 and omega-6 on gastric cancer cells

Publisher: Gene Reports (GR)

2020

The Gene Expression Profile and DNA Methylation Pattern of CDH1 and DNMT1 Genes in Acute Promyelocytic Leukemia (APL)

Publisher: Reports of Biochemistry & Molecular Biology (RBMB)

2020

Updates on Novel Erythropoiesis- Stimulating Agents: Clinical and Molecular Approach

Publisher: Indian Journal of Hematology and Blood Transfusion (IJHBT)

2020

Induced Pluripotent Stem Cell Meets Severe Combined Immunodeficiency

Publisher: Cell Journal (yakhteh)

2020

CRISPR-mediated modification of DNA methylation pattern in the new era of cancer therapy

Publisher: Epigenomics

2020

Evaluation of Different Types of Pain in Patients with Breast Cancer

Publisher: Basic & Clinical Cancer Research (BCCR)

2020

Methylation status of interleukin-6 gene promoter in patients with

Behcet's disease

Publisher: Reumatologia Clinica

2021

Evaluation of expression level and methylation profile of CXX1 gene in breast cancer tissue blocks

Publisher: Journal of Cancer Research and Therapeutics (JCRT)

2021

Promoter Methylation Status and Expression Levels of RASSF1A Gene in Different Phases of Acute Lymphoblastic Leukemia (ALL)

Publisher: International Journal of Hematology-Oncology and Stem Cell Research (IJHOSCR)

2021

Expression and methylation status of vascular endothelial growth factor and thrombospondin-1 genes in congenital factor XIII-deficient patients with intracranial hemorrhage

Publisher: Blood Coagulation & Fibrinolysis (BCF)

2021

Anti-cancer effect of curcumin on survival and expression of DNMT1 and CDH1 genes in cell line MIAPaCa2

Publisher: Carpathian Journal of Food Science and Technology (CJFST)

2021

Induced pluripotent stem cell technology: trends in molecular biology, from genetics to epigenetics

Publisher: Epigenomics

2021

Cloning and expressing of interleukine 2 in amniotic membrane-derived mesenchymal stem cells, as a potent feeder layer

Publisher: Molecular Biology Research Communications (MBRC)

2022

Methylation and Expression Status of The CpG-Island of SMG1 Promoter in Acute Myeloid Leukemia: A Follow-Up Study in Patients

Publisher: Cell Journal (yakhteh)

2022

Rhenium-188 Treatment Induces DACT2 Expression in Hepatocellular Carcinoma Cells

Publisher: Cell Journal (yakhteh)

2022

Aberrant DNA Methylation Status and mRNA Expression Level of SMG1 Gene in Chronic Myeloid Leukemia: A Case-Control Study

Publisher: Cell Journal (yakhteh)

2022

Rhenium Perrhenate (188ReO4) Induced Apoptosis and Reduced Cancerous Phenotype in Liver Cancer Cells

Publisher: Cells

2022

Expansion of cord blood stem cells in fibronectin-coated microfluidic bioreactor

Publisher: Hematology, Transfusion and Cell Therapy (HTCT)

2022

The effect of ω-6 fatty acid on WT1 and WIF-1 genes expression and inducing apoptosis in A375 melanoma cell line

Publisher: Gene Reports (GeRe)

2022

Therapeutic approaches and vaccination in fighting COVID-19 infections: A review

Publisher: Gene Reports (GeRe)

2022

Effects of Psychotherapy Interventions and Mental Activity in Control of Pain in Patients with Breast Cancer

Publisher: Basic & Clinical Cancer Research

2023

DNA Methylation and the Expression of the Tumor-Suppressor Genes Protocadherin-10 and Reprimo in Pediatric Acute Lymphoblastic Leukemia

Publisher: Iranian Journal of Pediatric Hematology and Oncology (IJPHO)

2023

Molecular Pathology and Methylation Assessment in Pancreatic Cancer; New Approach in Diagnosis and Treatment

Publisher: Journal of Chemical Health Risks (JCHR)

2023

The CpG Island Methylation Status and mRNA Expression Level of CTLA4 in Childhood Hashimoto's Thyroiditis

Publisher: Turkish Journal of Immunology (TJI)

2023

The Association of Methylation Status and Expression Level of MyoD1 with DNMT1 Expression Level in Breast Cancer Patients

Publisher: International Journal of Hematology-Oncology and Stem Cell Research (IJHOSCR)

2023

Natural killer cell epigenetic reprogramming in tumors and potential for cancer immunotherapy

Publisher: Epigenomics

2023

Chimeric antigen receptor-natural killer cells: a promising sword against insidious tumor cells

Publisher: Human Cell (HuCe)

2023

Dual role of microRNAs in cancer metastasis

Publisher: Human Gene (HuGe)

2023

A Review of the Role of Circulating Tumor DNA (ctDNA) Biomarkers in Cancer

Publisher: Research in Medicine

2023

Parvovirus B19 Infection May Potentially Determine the Fate of Hematopoiesis by Altering the Human Bone Marrow Mesenchymal Stem Cells Differentiation

Publisher: Iranian Journal of Pediatric Hematology Oncology

2024

Epigenetic-modifying agents: The potential game changers in the treatment of hematologic malignancies

Publisher: Critical Reviews in Oncology / Hematology

2024

A Review on the Impact of Aberrant Methylation in Breast Cancer: Diagnostic, Prognostic, and Therapeutic Approaches

Publisher: Iranian Journal of Biotechnology

2024

Evaluation of the CpG-island DNA Methylation Pattern in Promoter of DNMT1 and CDX2 Genes in Different Phases of Acute Myeloid Leukemia; A Follow-up Study

Publisher: Iranian Journal of Blood and Cancer

2024

DNA Methylation Pattern and mRNA Expression Level of E-Cadherin and P16 Genes in Thrombotic Disorders

Publisher: Clinical and Applied Thrombosis / Hemostasis

Project

The epidemiology of leukemia in Qazvin province and the factors affecting it during the years 1380-1392

For: Faculty of Paramedicine, Qazvin University of Medical Sciences

The primary executor of the plan (Project terminated-2013)

Frequency of Rh system major antigens (D, C, E, c, e) and their corresponding phenotypes among blood donors in Qazvin, Iran, for the creation of a rare donors database

For: Faculty of Paramedicine, Qazvin University of Medical Sciences

The main executor of the plan (Project terminated-2014)

The investigation of the knowledge and performance of Qazvin hospital nurses regarding blood transfusion in 1392

For: Faculty of Paramedicine, Qazvin University of Medical Sciences

The main executor of the plan (Project terminated-2014)

Evaluation of Expression and promoter methylation of CXX1 and MyoD1 genes in tissue blocks from breast cancer patients

For: Molecular and Cellular Research Center, Qazvin University of Medical Sciences

The main executor of the plan (Project terminated-2015)

Studying the Effect of Calprotectin Protein Subunits (S100A8 and S100A9) on the Expression and Methylation Status of OCLN Gene Promoter in Human Melanoma Cell Line (A375)

For: Molecular and Cellular Research Center, Qazvin University of Medical Sciences

The main partner of the plan (Project terminated-2015)

Study on the Effect of Curcumin on the Expression Level and Promoter Methylation of DNMT1 and Ecad Genes in MiaPaca2 Cell Line

For: Molecular and Cellular Research Center, Qazvin University of Medical Sciences

The main executor of the plan (Project terminated-2015)

The Impact of Omega-3, Omega-6, and Naringin on the Expression and Promoter Methylation of WIF1 and WT1 Genes in Pancreatic (Miapaca2), Stomach (AGS), and Melanoma (A-375) Cancer Cell Lines

For: Molecular and Cellular Research Center, Qazvin University of Medical Sciences

The main partner of the plan (Project terminated-2015)

Effect of Parvovirus B19 on Inflammatory Cytokine Genes (IL-6, IL-1β, TNF-α) and NF-κB Gene Expression in Bone Marrow Mesenchymal Stem Cells, and Osteoblast and Adipocyte Differentiation in an In Vitro System

For: Molecular and Cellular Research Center, Qazvin University of Medical Sciences

The main executor of the plan (Project terminated-2016)

Evaluation of the correlation between DNMT1 promoter methylation and Ecad gene expression in patients with acute myeloid leukemia

The main executor of the plan (Project terminated-2016)

Investigation of the level of IL-2 expression in amnion mesenchymal stem cells transfected with a plasmid containing the IL-2 gene

For: Faculty of Paramedicine, Qazvin University of Medical Sciences

The main partner of the plan (Project terminated-2017)

study the effects of 188Re-HDD on promoter methylation of certain genes related to the Wnt/B-Catenin signaling pathway antagonists, as well as the WT1 gene, and the expression of these genes in Huh-7 cancer cell lines of hepatocellular carcinoma

For: Molecular and Cellular Research Center, Qazvin University of Medical Sciences

The main partner of the plan (Project terminated-2017)

The evaluation of miR486-5p gene expression in serum of CML (Chronic Myelogenous Leukemia) patients and comparison with healthy individuals

For: Molecular and Cellular Research Center, Qazvin University of Medical Sciences

The main partner of the plan (Project terminated-2018)

investigating the CTLA-4 +49A/G gene polymorphism in patients with rheumatoid arthritis (RA) and comparing it with control subjects

For: Metabolic Disease Research Center, Qazvin University of Medical Sciences

The partner of the plan (Project terminated-2019)

A study on the expression and methylation of the CTLA-4 gene promoter and serum anti-TPO antibodies in children and adolescents with Hashimoto thyroiditis in Qazvin province

For: Molecular and Cellular Research Center, Qazvin University of Medical Sciences

The main partner of the plan (Project terminated-2019)

Investigating the frequency of the XmnI Gγ polymorphism in patients with beta major thalassemia who are referred to the Ghods clinic in Qazvin Province

For: Faculty of Paramedicine, Qazvin University of Medical Sciences

The partner of the plan (In the execution stage-2020)

Exploring the Correlation between Clinical and Paraclinical Data in COVID-19 Patients: A Study

For: Molecular and Cellular Research Center, Qazvin University of Medical Sciences

The partner of the plan (In the approval stage-2021)

Evaluating the Correlation Between Promoter Methylation Patterns and Expression Levels of TNFRSF8, PD-L1, and KIT: Therapeutic Biomarkers of Hematopoietic Malignancies in Iranian Patients

For: Molecular and Cellular Research Center, Qazvin University of Medical Sciences

The main executor of the plan (In the approval stage-2022)

Assessing the Effects of Piperix (a Metha Piperita-derived Drug) on Patients with Coronavirus Infectious Disease (COVID-19): A Double-Blind Clinical Trial

The partner of the plan (In the approval stage-2023)

Personal interest

The Role of Epigenetics and DNA Methylation Changes in Cancers

Thesis

2015

Investigation of Vhl tumor suppressor gene methylation by MSP method in acute lymphoblastic leukemia patients

Thesis for MSc in Hematology and Blood Banking (Tehran University of Medical Sciences-Supervisor)

2015

Investigation of Wilms tumor 1 (WT1) gene promoter methylation in patients with acute lymphocytic leukemia (ALL)

Thesis for MSc in molecular medicine (Tehran University of Medical Sciences-Supervisor)

2015

Determining the methylation pattern of DNMT1 gene promoter in patients with acute lymphoblastic leukemia

Thesis for MSc in Hematology and Blood Banking (Tarbiat Modares University-Supervisor)

2016

Analysis of effect of omega-3, -6 and -9 fatty acids on expression of ErK protein relating to MAPK signaling pathway in SK-OV-3 cell line, relating to ovarian cancer

Thesis for MSc in Medical Biotechnology (Qazvin University of Medical Sciences-Advisor)

2016

The correlation between SMG1 promoter methylation and its expression in patients with acute lymphoblastic leukemia

Thesis for MSc in Hematology and Blood Banking (Tehran University of Medical Sciences-Advisor)

2016

Determination of HLA class 1 expression and the absorption levels of HLA-A2 molecules on the surface of platelets during storage of platelet concentrate

Thesis for MSc in Hematology and Blood Banking (Iranian Blood Transfusion Organization-Advisor)

2016

Study of omega-6 as an unsaturated fatty acid effects on expression WT1 and WIF1 genes in melanoma (A375) cancer cell line

Thesis for MSc in Medical Biotechnology (Qazvin University of Medical Sciences-Advisor)

2017

Study of Omega-3 PUFA effect on expression and methylation status of WT1 & WIF1 genes promoter in pancreatic cancer cell line MiaPacaII

Thesis for PhD in molecular medicine (Qazvin University of Medical Sciences-Advisor)

2017

Effect of calprotectin subunit S100A9 on the expression and methylation of OCLN in human melanoma cell line A-375

Thesis for PhD in molecular medicine (Qazvin University of Medical Sciences-Advisor)

2017

Determination of Methylation and expression of Foxp3 and Ctla4 Genes in Patients with Behcet Disease

Thesis for PhD in molecular medicine (Tabriz University of Medical Sciences-Advisor)

2017

Determination of Methylation and expression of IL-10 and IL-6 Genes in Patients with Behcet Disease

Thesis for PhD in molecular medicine (Tabriz University of Medical Sciences-Advisor)

2017

The investigation of methylation status and expression of the RASSF1A gene in different phases of acute lymphoblastic leukemia (ALL)

Thesis for MSc in Hematology and Blood Banking (Tehran University of Medical Sciences-Advisor)

2017

Investigating the expression level and methylation pattern of SMG1 gene in chronic myeloid leukemia patients

Thesis for MSc in Hematology and Blood Banking (Tehran University of Medical Sciences-Advisor)

2017

The effect of parvovirus B19 on Osteoblast and adipocyte differentiation of bone marrow mesenchymal stem cells

Thesis for MSc in Medical Biotechnology (Qazvin University of Medical Sciences-Supervisor)

2017

Investigation of STK4 (MST1) gene expression in prostate cancer patients

Thesis for MSc in Medical Biotechnology (Qazvin University of Medical Sciences-Supervisor)

2017

Investigation of methylation pattern of the PTEN gene promoter in hyper coagulable state patients by specific methylation PCR

Thesis for MSc in Medical Biotechnology (Qazvin University of Medical Sciences-Advisor)

2018

Evaluation of Expression and promotor methylation of MyoD1 gene in tissue blocks in breast cancer patients

Thesis for MSc in Medical Biotechnology (Qazvin University of Medical Sciences-Supervisor)

2018

Investigation the Correlation between DNMT1 promoter methylation and Ecad gene expression in patients with acute myeloid leukemia (M3)

Thesis for MSc in Medical Biotechnology (Qazvin University of Medical Sciences-Supervisor)

2019

The effect of parvovirus B19 on expression levels of IL-6, Il-1 beta, TNF-alfa and NF-kB genes in human bone marrow mesenchymal stem cells (hBM-MSCs) in vitro

Thesis for MSc in Medical Biotechnology (Qazvin University of Medical Sciences-Advisor)

2020

The study effect of curcumin on DNMT1 gene expression level with Ecad gene promoter methylation in MiaPaca2 Cell line

Thesis for PhD in molecular medicine (Qazvin University of Medical Sciences-Supervisor)

2020

Investigating the methylation and expression level of REPRIMO and Protocadherin-10 genes in children with acute lymphoblastic leukemia

Thesis for MSc in Hematology and Blood Banking (Iran University of Medical Sciences-Advisor)

2021

Evaluation the correlation between promoter methylation pattern and expression of SMG1 gene with prognosis status in patients with Acute myeloid leukemia

Thesis for MSc in Medical Biotechnology (Qazvin University of Medical Sciences-Supervisor)

2022

Study of the effects of 188Re-HDD on promoter methylation and the expression of Wnt/B-Catenin signaling pathway antagonists DACT2 and WIF1 gene in hepatocellular carcinoma cell lines, HepG2

Thesis for PhD in molecular medicine (Qazvin University of Medical Sciences-Advisor)

2023

Evaluation the correlation between promoter methylation pattern with expression of DNMT1 and CDX2 gene in patients with Acute Myeloid Leukemia

Thesis for MSc in Hematology and Blood Banking (Mashhad University of Medical Sciences-Advisor)

2024

The evaluation of DNA methylation patterns and expression levels of E-Cadherin and P16 genes in thrombotic patients

Thesis for MSc in Hematology and Blood Banking (Tehran University of Medical Sciences-Supervisor)

Book

Second Edition - 2005

Textbook of Blood Banking and Transfusion Medicine (By Sally V. Rudmann)

Mir's Publication (Translated-1385,1388,1391)

First Edition - 2005

Laboratory methods of clinical diagnosis and treatment in hematology and blood banking

Mir's Publication (Authorship-1384)

First Edition - 2006

Hematology and blood banking (quick and comprehensive review of references)

Khosravi's Publication (Authorship-1385,1389,1393)

21th Edition - 2007

Henry's Clinical Diagnosis and Management by Laboratory Methods

Khosravi's Publication (Subcategory of hematology and immunohematology-Translated-1387)

7th Edition - 2007

Hoffbrand's Essential Haematology

Khosravi's Publication (Translated-1387)

First Edition - 2006

Comprehensive textbook of hematology (MMM)

Samat's Publication (Authorship-1385)

First Edition - 2014

Practical hematology (6 authors)

Mir's Publication (Authorship-1393)

Congress

February 12-14, 2014

8th Congress of Iranian Pediatric Hematology Oncology Society

Research educational complex of Bandar Abbas University of Medical Sciences, Bandar Abbas, Iran

April 6-8, 2017

World Congress on Cell Science and Molecular Biology

MainHall, Dubai, UAE

August 30-September 1, 2017

13th Congress on Stem Cell Biology and Technology (Royan International Twin Congress)

Milad Tower International Conference Hall, Tehran, Iran

December 24-27, 2018

2nd International Congress on Biomedicine

Nasim International Research Institute (NIRI), Tehran, Iran

January 10-13, 2022

9th Annual Iranian Medical Ethics Congress

Kerman University of Medical Sciences, Kerman, Iran

February 5-9, 2022

The 13th International Congress of Medical Laboratory and Clinic

Dar al-Funun Hall, Tehran University of Medical Sciences, Tehran, Iran

April 27-30, 2023

16th International Congress of Immunology and Allergy

Razi International Conference Center, Iran University of Medical Sciences, Tehran, Iran

May 3-5, 2023

24th Iranian Conference on Health Professions Education

Razi International Conference Center, Iran University of Medical Sciences, Tehran, Iran

May 16-19, 2023

The 14th International & 20th National Congress on Quality Improvement in Clinical Laboratories

Milad Tower International Conference Hall, Tehran, Iran

November 22-25, 2023

1st National Conference on Advanced Technologies of Medical Sciences Education

Razi International Conference Center, Tehran, Iran

January 25-28, 2024

The 15th International Congress of Medical Laboratory & Clinic

Tehran University of Medical Sciences, Tehran, Iran

Educational Experience

December 2012 - Present

Medical Laboratory Sciences (Bachelor of Science)

Theoretical and Practical Hematology
Theoretical and Practical Blood Banking
Practical Biology
Medical Terminology
Laboratory Essentials

December 2012 - Present

Operating Room Technology (Bachelor of Science)

Theoretical and Practical Hematology
Theoretical and Practical Blood Banking

December 2012 - Present

Anesthesia (Bachelor of Science)

Theoretical and Practical Hematology
Theoretical and Practical Blood Banking

March 2013- Present

Medical Laboratory Sciences (Apprenticeship and Internship unit)

Education and Training of Laboratory Science Students through Apprenticeship and Internship Programs

January 2014- August 2020

Medical Laboratory Sciences (Seminar unit)

Organizing Comprehensive Training Courses on Academic Presentation Skills for Laboratory Science Students' Seminars

September 2020 - Present

Medical Microbiology (Master of Science)

Headlines related to Hematology and Blood Banking

January 2022 - Present

Hematology (Master of Science)

Headlines related to Principles and basics of molecular tests in hematology

Clinical Experience

December 2012 - Present

Equipment and Operation of the Basic Hematology Laboratory at the Nursing Faculty of Qazvin University of Medical Sciences

May 2014 - Present

Establishment and equipment of "Advanced Hematology Laboratory" at Para-Medical Faculty of Qazvin University of Medical Sciences

July 2014 - Present

Significant role in establishing and equipping the "Cell Culture Laboratory" at Nursing Faculty of Qazvin University of Medical Sciences

March 2015 - Present

Establishment and full equipment of the "General Laboratory" at the Para-Medical Faculty of Qazvin University of Medical Sciences

June 2015 - Present

Establishment and Set up of "Techniques for Methylation Analysis and Epigenetic Changes in Promoter Regions of the Genome" at Qazvin University of Medical Sciences

November 2020 - Present

Technical Head of The Hematology Laboratory at 22 Bahman Hospital in Qazvin province

Executive Experience

December 2012 - Present

Responsible for overseeing and coordinating apprenticeships and internships in the field of laboratory sciences at the Para-Medical Faculty

December 2012 - Present

Responsible for supervising and managing faculty advisors and serving as a consultant for students pursuing laboratory science programs at the Para-Medical Faculty

December 2020 - Present

Department Head of Medical Laboratory Sciences

Workshop

April 26, 2014

Management and familiarization with Up to date space

Held at the Qazvin University of Medical Sciences (As participant)

November 11, 2014

Research Methodology and Proposal Writing

Held at the Paramedical Faculty of Qazvin University of Medical Sciences (As speaker)

December 11, 2014

Research Methodology and Proposal Writing

Held at the Paramedical Faculty of Qazvin University of Medical Sciences (As speaker)

June 15, 2015

Microchip structures and their importance in the future of diagnosis and treatment

Held in Qazvin Medical System Organization (As speaker)

June 15, 2015

Molecular tests at Medical Diagnostic Laboratory and their clinical applications

Held in Qazvin Medical System Organization (As speaker)

October 12, 2015

Management of anemia

Held at the Paramedical Faculty of Qazvin University of Medical Sciences (As speaker)

November 14, 2015

Team-based learning (TBL)

Held at the Qazvin University of Medical Sciences (As participant)

January 3, 2016

PBL-centered teaching methods

Held at the Qazvin University of Medical Sciences (As participant)

November 9, 2016

Study Methods

Held at the Paramedical Faculty of Qazvin University of Medical Sciences (As speaker)

November 23, 2016

Article Writing

Held at the Paramedical Faculty of Qazvin University of Medical Sciences (As speaker)

August 11, 2016

Ethics in Biomedical Research

Held at the Qazvin University of Medical Sciences (As participant)

May 18-22, 2021

Interpretation of Routine laboratory Tests

Held at the Qazvin University of Medical Sciences (As speaker)

Master's Thesis

2005-2008

Evaluating the Common Polymorphisms of TPMT in an Iranian Population

Doctorate Thesis

2008-2012

Comparison of the methylation changes in promoters of multiple genes in CD34+ Stem cells before and after differentiation to erythroid lineage by miR-451

Access Link (Scientific Databases)

Iranian Scientometrics Information Database (ISID)

https://isid.research.ac.ir/Mehdi_Azad

SCOPUS

https://www.scopus.com/authid/detail.uri?authorId=35228501500

Web of Science (ISI)

https://www.webofscience.com/wos/author/record/1317334

Pubmed Central

https://pubmed.ncbi.nlm.nih.gov/?term=Mehdi%20Azad

ORCID (Open Researcher and Contributor ID)

https://orcid.org/0000-0002-5818-213X

Google Scholar

https://scholar.google.com/citations?hl=en&user=WabThk8AAAAJ

Access Link (Social Networks)

ResearchGate

https://www.researchgate.net/profile/Mehdi-Azad

LinkedIn

https://www.linkedin.com/in/mehdi-azad-28b519b5/