



Personal Information

Name: Mehrnoosh

Last name: Shanaki Bavarsad

Sex: Female

Date of birth: April 24, 1977

Place of birth: Khuzestan, IRAN

Citizenship: Iranian

Material Status: Married

Academic Rank: Associate Professor of Clinical Biochemistry , Fellowship in Medical Laboratory Sciences, Department of Medical laboratory Sciences ,School of Allied Medical Sciences , Shahid Beheshti University of Medical Sciences, Tehran, Iran.

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Educational & Academic Records

- February 20th 2010 – November 8th 2014 ,PhD student in Clinical Biochemistry, Tehran University of Medical Sciences (TUMS),Iran , with average 18.83 of 20.

Thesis Title :The Effects of Resveratrol and H₂O₂ on crosstalk between FOXO and Wnt Signaling Pathway via Evaluating of β -catenin, PPAR- δ and MnSOD Gene Expression in PBMCs of Coronary Artery Disease Patients ,with mark Thesis :19.95 of 20.

- September 23th 2005- May 27th 2008, M.Sc. in Clinical Biochemistry from Ahvaz Jundishapur University of Medical Sciences,Iran, with average 18.67 of 20.

Thesis Title: Evalution of in vitro effect of flavonoids on human low-density lipoprotein carbamylation , with mark thesis 20 of 20.

- September 23th 1997-September 22th 2001, B.Sc. in Nutrition from Ahvaz Jundishapur University of Medical Sciences,Iran, with average 18.86 of 20.

Honors

- The First rank graduated PhD student** in Tehran University of Medical Sciences, 2014, with average 18.83 of 20.
- **Top Student among PhD students** of Tehran University of Medical Sciences, 2011 (Awarding body :Dean of medical faculty) .
- The **1th rank accepted Ph.D. student** in entrance exam of ministry of Health & Medical Education, 2010(Awarding body : Minister of health).
- **Top student among M.sc postgraduate students** of Ahvaz Jundishapur University of Medical Sciences, 2008 (Awarding body: Dean of ahvaz jundishapur University of Medical Sciences).

Membership in Professional Associations and Societies

- Iranian Association of Clinical Laboratory Doctors, 2014-up to now.
- Biomedical society of Iran, 2011-up to now.

- Clinical Biochemistry Section Editor editor of Archives of Medical Laboratory Sciences journal, 2018 up to now.

Executive Positions

- Associate Professor of Clinical Biochemistry , Department of Medical laboratory Sciences .February 4th 2015 –up to now.
- Medical Laboratory Director in Akhtar university Hospital,February 2024 up to now.
- Head of Central reaserch laboratory, school of Allied Medical Science Shahid Beheshti University of Medical Sciences, October 16th 2019- June 27th 2022.
- Clinical Biochemistry section editor of Archives of Medical Laboratory Sciences journal(AMLS),September 23th 2017-up to now
- Head of Educational Development Office (EDO) , school of Allied Medical Science, Shahid Beheshti University of Medical Sciences ,December 28th 2016-May 10th 2022.
- Advisor of B.sc. students of medical laboratory , school of Allied Medical Science, Shahid Beheshti University of Medical Sciences ,2015-up to now
- Head of Teacher evaluation, school of Allied Medical Science, Shahid Beheshti University of Medical Sciences,May 9th 2016-May 21th 2022.
- Head of Journal club, Department of Medical laboratory Sciences, school of Allied Medical Science, Shahid Beheshti University of Medical Sciences,2015-2018.
- Member of research committee , school of Allied Medical Science, Shahid Beheshti University of Medical Sciences,2020-2021.
- Head of B.sc. students of medical laboratory hospital internship, Shahid Beheshti University of Medical Sciences,2015-up to now

English Publication

- Bacillus coagulans T4 and Lactobacillus paracasei TD3 Ameliorate Skeletal Muscle Oxidative Stress and Inflammation in High-Fat Diet-Fed 57BL/6J Mice. Masoumeh Shams, Fataneh Esmaeili, Samira Sadeghi, Mahsa Shanaki-Bavarsad, Shadi Sadat Seyyed Ebrahimi, Seyyed Mohammad Reza Hashemnia, Maryam Tajabadi-Ebrahimi, Solaleh Emamgholipour, and [Mehrnoosh Shanaki *](#). Iran J Pharm Res 2023.
- The high-intensity interval training (HIIT) and curcumin supplementation can positively regulate the autophagy pathway in myocardial cells of STZ-induced diabetic rats. Samira Sadeghi, Maryam Delphan, Masoumeh Shams, Fataneh Esmaeili, Mahsa Shanaki-Bavarsad, and [Mehrnoosh Shanaki*](#). BMC research Notes 2023.
- Alterations of SOCS1 and SOCS3 transcript levels, but not promoter methylation levels in subcutaneous adipose tissues in obese women. Solaleh Emamgholipour, Fataneh Esmaeili, Maryam Shabani, Seyedeh Zahra Hasanpour, Mahsa Pilehvari, Hossein Zabihi-Mahmoudabadi, Meysam Motevasseli, [Mehrnoosh Shanaki*](#). BMC Endocrine Disorders 2023.
- Low level of adiponectin predicts the development of Nonalcoholic fatty liver disease: is it irrespective to visceral adiposity index, visceral adipose tissue thickness and other obesity indices. Reyhane Ebrahimi, [Mehrnoosh Shanaki](#), Samaneh Mohassel Azadi, Alireza Bahraee, Amir Reza Radmard, Hossein Poustchi, Solaleh Emamgholipour. **Archives of Physiology and Biochemistry 2022. Cited by: 8**
- Association of rs2954029 and rs6982502 Variants with Coronary Artery Disease by HRM Technique: A GWAS Replication Study in an Iranian Population. Zahereh Karimi, Javad Daneshmoghdam, Hamid Ghaedi, Ehsan Khalili, Ghodratollah Panahi, [Mehrnoosh Shanaki*](#). **Reports of Biochemistry & Molecular Biology, 2022.**
- The circulating levels of CTRP1 and CTRP5 are associated with obesity indices and carotid intima media thickness (cIMT) value in patients with type 2 diabetes: a preliminary study. Ziba Majidi, Solaleh Emamgholipour, Abolfazl Omidifar, Soheil Rahmani Fard, Hossein Poustchi, [Mehrnoosh Shanaki*](#). **Diabetology & Metabolic Syndrome, 2021. Cited by: 2**

- The gene expression of long non-coding RNAs (lncRNAs): MEG3 and H19 in adipose tissues from obese women and its association with insulin resistance and obesity indices. Javad Daneshmoghdam, Abolfazl Omidifar, Nader Akbari Dilmaghani, Zahereh Karimi, Solaleh Emamgholipour, [Mehrnoosh Shanaki*](#). **Journal of clinical laboratory analysis** 2021. Cited by: 5.
- The Association of Transcript Levels of Proinflammatory Cytokines in Adipose Tissues with Various Adiposity Indices in Women with Obesity. Masoume Aliabadi, Sadra Samavarchi Tehrani, [Mehrnoosh Shanaki*](#). **Archives of Medical Laboratory Sciences**, 2021.
- The C1q/TNF-related proteins (CTRPs) in pathogenesis of obesity-related metabolic disorders: Focus on type 2 diabetes and cardiovascular diseases. [Mehrnoosh Shanaki](#), Parisa Shabani, Afsaneh Goudarzi, Abolfazl Omidifar, Davood Bashash, Solaleh Emamgholipour. **Life Sciences**, 2020. Cited by: 12
- High-intensity interval training (HIIT) effectively enhances heart function via miR-195 dependent cardiomyopathy reduction in high-fat high-fructose diet-induced diabetic rats. Soheyla Khakdan, Maryam Delfan, Maryam Heydarpour Meymeh, Faranak Kazerouni, Hamid Ghaedi, [Mehrnoosh Shanaki](#), Fatemeh Kalaki-Jouybari, Sattar Gorgani-Firuzjaee, Ali Rahimipour. **Archives of physiology and biochemistry**, 2020. Cited by: 26.
- High-intensity interval training (HIIT) alleviated NAFLD feature via miR-122 induction in liver of high-fat high-fructose diet induced diabetic rats. Fatemeh Kalaki-Jouybari, [Mehrnoosh Shanaki*](#), Maryam Delfan, Sattar Gorgani-Firouzjaee & Soheyla Khakdan. **Archives of Physiology and Biochemistry**, 2020. Cited by: 26.
- Increased mRNA expression of CTRP3 and CTRP9 in adipose tissue from obese women: is it linked to obesity-related parameters and mRNA expression of inflammatory cytokines? Seyed Mohammad Masoodian, Karamollah Toolabi, Abolfazl Omidifar, Hossein Zabihi, Ali Rahimipour, [Mehrnoosh Shanaki*](#). **Reports of Biochemistry & Molecular Biology**, 2020. Cited by: 7.

- Emerging Role of miR-372 and miR-101a in Head and Neck Squamous Cell Carcinoma. Nariman Moradi, Reza Fadaei, Mohadeseh Haqgou, Shekufe R Barez, Fatemeh B Kargasheh, [Mehrnoosh Shanaki*](#), Nader A Dilmaghani. **Clinical Laboratory**, 2020. Cited by; 2
- Association between HDACs and pro-inflammatory cytokine gene expressions in obesity. [Mehrnoosh Shanaki](#), Abolfazl Omidifar, Parisa Shabani, Karamollah Toolabi. **Archives of Physiology and Biochemistry**, 2020. Cited by: 4.
- Inhibition of Cyclin-dependent Kinase (CDK) Decreased Survival of NB4 Leukemic Cells: Proposing a p53-Independent Sensitivity of Leukemic Cells to Multi-CDKs Inhibitor AT7519. Atieh Pourbagheri-Sigaroodi, Ava Safaroghli-Azar, [Mehrnoosh Shanaki](#), Amir-Mohammad Yousefi, Ali Anjam Najmedini, Davood Bashash. **Iranian Journal of Pharmaceutical Research**, 2020. Cited by: 1.
- High-intensity interval training reversed high-fat diet–induced M1-macrophage polarization in rat adipose tissue via inhibition of NOTCH signaling. [Mehrnoosh Shanaki](#), Maryam Khosravi, Arezoo Khoshdooni-Farahani, Alireza Dadashi, Mohammad Foad Heydari, Maryam Delfan, Hanieh Jafary, Sattar Gorgani-Firuzjaee. **Journal of Inflammation Research**, 2020. Cited by: 7.
- Deregulation of long noncoding RNA SNHG17 and TTC28-AS1 is associated with type 2 diabetes mellitus. Mahroo Mohamadi, Hamid Ghaedi, Faranak Kazerouni, Maryam Erfanian Omidvar, Saeid Kalbasi, [Mehrnoosh Shanaki](#), Ghasem Miraalamy, Ali Rahimipour. **Scandinavian Journal of Clinical and Laboratory Investigation**, 2019. Cited by :13
- Association between vascular endothelial growth factor plasma levels and rs699947 polymorphism and coronary collateral vessel formation. Mohammad Alidoosti, [Mehrnoosh Shanaki](#), Armita Mahdavi, Narges Mohammadtaghvaei. **The Journal of Tehran University Heart Center**, 2019. Cited by:1.

- The gene expression of CTRP12 but not CTRP13 is upregulated in both visceral and subcutaneous adipose tissue of obese subjects .Abolfazl Omidifar, Karamollah Toolabi, Ali Rahimpour, Solaleh Emamgholipour, [Mehrnosh Shanaki*](#).**Diabetes & Metabolic Syndrome: Clinical Research & Reviews,2019. Cited by: 12.**
- Clinical significance of long noncoding RNA VIM-AS1 and CTBP1-AS2 expression in type 2 diabetes. Maryam Erfanian Omidvar, Hamid Ghaedi, Faranak Kazerouni, Saeid Kalbasi, [Mehrnosh Shanaki](#), Ghasem Miraalamy, Ali Zare, Ali Rahimpour. **Journal of cellular biochemistry,2019.Cited by 26.**
- Circulating miR-625 as an Emerging Biomarker for Liver Cirrhosis. Mohabbat Ghaempoor, Ehsan Arefian, Seyed R Mohebbi, [Mehrnosh Shanaki*](#), Faranak Kazerouni, Behzad Hatami. **Clinical Laboratory,2019.Cited by 4.**
- Lower circulating levels of CTRP12 and CTRP13 in polycystic ovarian syndrome: Irrespective of obesity. [Mehrnosh Shanaki](#), Nariman Moradi, Reza Fadaei, Zahra Zandieh, Parisa Shabani, Akram Vatannejad. **PloS one,2018.Cited by 21.**
- Long non-coding RNA LY86-AS1 and HCG27_201 expression in type 2 diabetes mellitus. Hamid Ghaedi, Mirsaber Sadatamini, Rouhollah Vahabpour, Ali Rahimpour, [Mehrnosh Shanaki](#), Zahra Mansoori, Faranak Kazerouni. **Molecular biology reports, 2018.Cited by 24.**
- Downregulation of long non-coding RNAs LINC00523 and LINC00994 in type 2 diabetes in an Iranian cohort.Zahra Mansoori, Hamid Ghaedi, Mirsaber Sadatamini, Rouhollah Vahabpour, Ali Rahimpour, [Mehrnosh Shanaki](#), Faranak Kazerouni. **Molecular biology reports, 2018. Cited by 21.**
- Association of the rs1870634 variant in long intergenic non-protein coding RNA 841 with coronary artery disease: a GWAS-replication study in an Iranian population. Shahriar Tarighi, Behnam Alipoor, Ali Zare, Hamid Ghaedi, [Mehrnosh Shanaki*](#).**Biochemical genetics, 2018. Cited by 2.**

- Association of plasma ghrelin levels with diabetic nephropathy. Somayeh Rahimi, Faranak Kazerouni, Mehdi Hedayati, Mehr Ali Rahimi, Ali Rahimipour, Marjan Zarif Yeganeh, [Mehrnnoosh Shanaki](#). **Journal of Laboratory Medicine**, 2018.
- Salivary lipid peroxidation and antioxidant status in the patients with papillary thyroid carcinoma: a case-control study. Samaneh Famil Sagharchian, Mahdi Hedayati, Faranak Kazerouni, Ali Rahimipour, [Mehrnnoosh Shanaki](#). **International Journal of Cancer Management**, 2018.Cited by:4.
- The association of serum level of CTRP1 with common bile duct diameter and other manifestations in patients with non-alcoholic fatty liver. Reyhane Ebrahimi, Shahabedin Zand, [Mehrnnoosh Shanaki*](#). **Archives of Medical Laboratory Sciences**, 2018.Cited by:1.
- Aerobic endurance training improves nonalcoholic fatty liver disease (NAFLD) features via miR-33 dependent autophagy induction in high fat diet fed mice. Parvin Ghareghani, [Mehrnnoosh Shanaki](#), Saeideh Ahmadi, Ali Reza Khoshdel, Neda Rezvan, Reza Meshkani, Maryam Delfan, Sattar Gorgani-Firuzjaee. **Obesity research & clinical practice**, 2018.Cited by:56.
- Lower circulating irisin is associated with nonalcoholic fatty liver disease and type 2 diabetes. [Mehrnnoosh Shanaki](#), Nariman Moradi, Solaleh Emamgholipour, Reza Fadaei, Hossein Poustchi. **Diabetes & metabolic syndrome: clinical research & reviews**, 2017. Cited by:42.
- Association between two common polymorphisms of vitamin D binding protein and the risk of coronary artery disease: A case-control study. Shahriar Tarighi, Mahdi Najafi, Arash Hossein-Nezhad, Hamid Ghaedi, Reza Meshkani, Nariman Moradi, Reza Fadaei, Faranak Kazerouni, [Mehrnnoosh Shanaki*](#). **Journal of medical biochemistry** ,2017. Cited by: 17.

- Association of mir-149 (rs2292832) variant with the risk of coronary artery disease. Maryam Ghaffarzadeh, Hamid Ghaedi, Behnam Alipoor, Mir Davood Omrani, Faranak Kazerouni, [Mehrnoosh Shanaki](#), Afsaneh Labbaf, Hossein Pashaiefar, Ali Rahimipour. **Journal of Medical Biochemistry, 2017. Cited by: 18.**
- Effect of emodin on expression of VEGF-A and VEGFR_2 genes in human breast carcinoma MCF-7 Cell. Fatemeh Cheshmi, Faranak Kazerouni, Mir Davood Omrani, Ali Rahimipour, [Mehrnoosh Shanaki](#), Nasrin Dehghan-Nayeri, Ommolbanin Younesian, Maryam Rezapour Kalkhoran. **International Journal of Cancer Management, 2017. Cited by: 5.**
- Cytotoxic effect of emodin on growth of SKBR3 breast cancer cell. Maryam Rezapour Kalkhoran, Faranak Kazerouni, Mir Davood Omrani, Ali Rahimipour, [Mehrnoosh Shanaki](#), Nasrin Dehghan-Nayeri, Farzaneh Ahmadi, Ommolbanin Younesian, Fatemeh Cheshmi. **International Journal of Cancer Management, 2017. Cited by: 8.**
- Effect of curcumin on fatty acid synthase expression and enzyme activity in breast cancer cell line SKBR3. Ommolbanin Younesian, Faranak Kazerouni, Nasrin Dehghan-Nayeri, Davood Omrani, Ali Rahimipour, [Mehrnoosh Shanaki](#), Maryam Rezapour Kalkhoran, Fatemeh Cheshmi. **International Journal of Cancer Management, 2017. Cited by: 13.**
- The pre-mir-499 Variant rs3746444 May Contribute to Coronary Artery Disease Susceptibility: a Case-Control and Meta-Analysis Study. Afsaneh Labbaf, Hamid Ghaedi, Behnam Alipoor, Mir Davood Omrani, Faranak Kazerouni, [Mehrnoosh Shanaki](#), Maryam Ghaffarzadeh, Hossein Pashaiefar, Ali Rahimipour. **Clinical Laboratory, 2017. Cited By: 9.**
- The Circulating Levels of Complement-C1q/TNF-Related Protein 13 (CTRP13) in Patients with Type 2 Diabetes and its Association with Insulin Resistance. Abolfazl Afrookhteh, Solaleh Emamgholipour, Behnam Alipoor, Nariman Moradi, Reza Meshkani, Ensieh Nasli-Esfahani, Ali Rahimipour, [Mehrnoosh Shanaki*](#). **Clinical Laboratory, 2017. Cited By: 15.**

- The circulating CTRP13 in type 2 diabetes and non-alcoholic fatty liver patients. [Mehrnoosh Shanaki](#), Reza Fadaei, Nariman Moradi, Solaleh Emamgholipour, Hossein Poustchi. **PloS one**, 2016. Cited by:30.
- Circulatory levels of 25-OHD and vitamin D binding protein in patients with chronic rhinosinusitis with polyposis: A case-control study. [Mehrnoosh Shanaki](#), Seied Reza Seied Mohammad Doulabi, Nader Akbari Dilmaghani. **Biomedical Research**,2017.Cited by: 2.
- Assessment of Liver and Kidney Functional Parameters along with oxidative Stress and Inflammatory Biomarker in Patients with β -Thalassemia major. [Mehrnoosh Shanaki](#), Hassan Ehteram, Hajar Nasiri, Mehdi Azad, Fatemeh Kouhkan, Reza Pakzad, Naser Mobarra. **Iranian Journal of Pediatric Hematology and Oncology**,2016.Cited by:8.
- A review on iron chelators in treatment of iron overload syndromes. Naser Mobarra, [Mehrnoosh Shanaki](#), Hassan Ehteram, Hajar Nasiri, Mehdi Sahmani, Mohsen Saeidi, Mehdi Goudarzi, Hoda Pourkarim, Mehdi Azad. **International journal of hematology-oncology and stem cell research**,2016. Cited by: 200.
- Apolipoproteins A1, B, and other prognostic biochemical cardiovascular risk factors in patients with beta-thalassemia major .Khodayar Ghorban, [Mehrnoosh Shanaki](#), Naser Mobarra, Mehdi Azad, Jahanbakhsh. **Hematology**, 2016. Cited by:18.
- Effects of resveratrol on crosstalk between canonical B-catenin/Wnt and FOXO pathways in coronary artery disease patients with metabolic syndrome: a case control study. [M Shanaki](#), A Hossein-Nezhad, R Meshkani, M Beigy ,M Shirzad, P Pasalar . **Iranian journal of pharmaceutical research: IJPR**, 2016. Cited by: 15.
- The role of notch signaling in bone marrow niche .Shirin Azizidoost, [Mehrnoosh Shanaki Bavarsad](#), Mahsa Shanaki Bavarsad, Saeid Shahrabi, Kaveh Jaseb, Fakher Rahim, Mohammad Shahjahani, Fakhredin Saba, Mahdi Ghorbani, Najmaldin Saki. **Hematology**,2015. Cited by:26.

- Prooxidant-antioxidant balance and hs-CRP in patients with beta-thalassemia major .Hassan Ehteram, [Mehrnoosh Shanaki Bavarsad](#), Mehdi Mokhtari, Najmaldin Saki, Masuod Soleimani, SM Parizadeh, Naser Mobarra. **Clin Lab, 2014. Cited by: 21.**
- Evaluation of in vitro effect of flavonoids on human low-density lipoprotein carbamylation .Mohammad Ali Ghaffari, [Mehrnoosh Shanaki](#). **Iranian Journal of Pharmaceutical Research: IJPR, 2010. Cited by: 8.**
- In vitro inhibition of low density lipoprotein carbamylation by vitamins, as an ameliorating atherosclerotic risk in uremic patients. Mohammad Ali Ghaffari, [Mehrnoosh Shanaki](#). **Scandinavian Journal of Clinical and Laboratory Investigation, 2010. Cited by: 14.**

Oral Presentations

- PRO-OXIDANT BURDEN AND THE ANTIOXIDANT CAPACITY IN PATIENTS WITH BETATHALASSEMIA MAJOR. 8th International Congress of Laboratory & Clinic and 1th National Congress of Basic medical Sciences and the Knowledge-based production .6-8 February 2016, Razi International Congress Center ,Tehran,Iran.
- The Circulating Level of CTRP13 in Patients with type 2 diabetes and its association with insulin resistance. 9th International Congress of Laboratory & Clinic and 2th National Congress of Basic medical Sciences and the Knowledge-based production .21-24 February 2017. Tehran University of Medical Sciences ,Tehran,Iran.
- Iron Chelators Therapy in Iron Overload Syndromes. 5thNational & 1st International Congress on Novel & Innovative Laboratory Technologies, 25-27 October 2017, Razi International Conference Center,Tehran,Iran.
- NAFLD improvement by autophagy induction via miR-33 in high fat diet fed mice. 5thNational & 1st International Congress on Novel & Innovative Laboratory Technologies, 25-27 October 2017, Razi International Conference Center,Tehran,Iran.

- Biochemical cardiovascular risk factors and PAB values in patients with betathalassemia major. 5thNational & 1st International Congress on Novel & Innovative Laboratory Technologies, 25-27 October 2017, Razi International Conference Center,Tehran,Iran.
- VDBP serum levels and chronic rhinosinusitis with polyposis. 5thNational & 1st International Congress on Novel & Innovative Laboratory Technologies, 25-27 October 2017, Razi International Conference Center,Tehran,Iran.
- Beneficial effect of High-intensity interval training (HIIT) on miR-122 gene expression in liver of high-fat high-fructose diet induced diabetic rats. ¹¹th International Congress of Laboratory & Clinic.16-18January,2019,TehranUniversity of Medical Sciences,Tehran,Iran.
- Emerging Role of GLP-1 Receptor Agonists in Obesity.18th National Congress of Biochemistry & 9th International Congress of Biochemistry & Molecular Biology,23-25 October 2024, Razi International Conference Center,Tehran,Iran.
- Common Pre-analytical errors in medical laboratory.16th International Congress of Laboratory and Clinic, 21-23 December 2024, Razi International Conference Center,Tehran,Iran.

Poster presentation

- Phospholipase A2 activity in fractions separated from Iranian Vipera Lebetina venom.24th world congress of pathology and laboratory medicine,20-24 August 2007, Malaysia.
- Assessment of liver and kidney functional parameters along with oxidative stress and inflammatory biomarkers in patients with beta-thalassemia, 9th International Congress of Laboratory & Clinic and 2th National Congress of Basic medical Sciences and the Knowledge-based production .21-24 February 2017. Tehran University of Medical Sciences ,Tehran,Iran.
- Protective effects of Catechin,Morin,Myricetin,Kaempferol,Luteolin, and Naringin on human LDL carbamylation in vitro. 6-9 September 2011,12th Iranian

Congress of Biochemistry and 4th international Congress of Biochemistry and Molecular Biology, Mashhad, Iran.

- The Possible role of mononuclear cells in regulation of oxidative stress. 16-19 April 2013, 5th international Congress of Biochemistry and Molecular Biology and 13th Iranian Congress of Biochemistry, Yazd, Iran.

Scientific and Judgment committee member

- Referee committee member of 15th Iranian national congress of biochemistry and 6th international congress of biochemistry and molecular biology. 25-28 August 2018, Isfahan, Iran.
- Scientific committee member of 8th International Congress of Laboratory & Clinic and 1th National Congress of Basic medical Sciences and the Knowledge-based production. 6-8 February 2016, Razi International Congress Center Tehran-Iran.
- Scientific committee member of 9th International Congress of Laboratory & Clinic and 2th National Congress of Basic medical Sciences and the Knowledge-based production. 21-24 February 2017, Tehran University of Medical Sciences, Tehran, Iran.
- Judgment Committee member of oral presentations in 9th International Congress of Laboratory & Clinic and 2th National Congress of Basic medical Sciences and the Knowledge-based production. 21-24 February 2017, Tehran University of Medical Sciences, Tehran, Iran.
- Scientific committee member of 11th International Congress of Laboratory & Clinic. 16-18 January, 2019, Tehran University of Medical Sciences, Tehran, Iran.

- Referee Committee Member of Medical Biochemistry in 11th International Congress of Laboratory & Clinic.16-18 January, 2019, Tehran University of Medical Sciences, Tehran,Iran.
- Scientific Committee Member of 12th International Congress of Laboratory & Clinic,12-14 Descember,2019,Shahid Beheshti University of Medical Sciences,Tehran,Iran.
- Referee Committee member of 5thNational & 1st International Congress on Novel & Innovative Laboratory Technologies, 25-27 October 2017, Razi International Conference Center,Tehran,Iran.
- Articles Reviewer in the 16th National and 7th International Congress of Biochemistry And Molecular Biology, November,2020, Tehran University of Medical Sciences,Tehrn ,Iran.
- Scientific Committee Member of 18th National Congress of Biochemistry & 9th International Congress of Biochemistry & Molecular Biology,23-25 October 2024, Razi International Conference Center,Tehran,Iran.
- Referee Committee member of 18th National Congress of Biochemistry & 9th International Congress of Biochemistry & Molecular Biology,23-25October 2024, Razi International Conference Center,Tehran,Iran.
- Scientific Committee Member of 16th International Congress of Laboratory and Clinic, 21-23 December 2024, Razi International Conference Center,Tehran,Iran.

Journal review:

- Scientific reports

- Biological Trace Element Research
- Molecular Medicine
- BMC Endocrine Disorders
- Heliyon
- Biochemical and Biophysical Research Communication
- Journal of Musculoskeletal and Neuronal Interactions
- Endocrine connections
- Journal of International Medical Research
- Archives of Physiology and Biochemistry
- Experimental and Therapeutic Medicine
- Journal of Diabetes and Metabolic Disorders
- Psychiatry Research
- Pharmacological Research
- Journal of effective Disorders
- Iranian Journal of Pharmaceutical Research
- Cell Journal
- Archives of Medical laboratory Sciences
- JSM Heart surgery cases and images

Teaching History:

- Practical education for B.Sc. students of medical laboratory sciences in hospital Laboratory
- General Biochemistry for PhD students of Physiotherapy.
- Molecular Biology for M.Sc. students of clinical biochemistry.
- Laboratory principals and instrumentations for M.Sc. students of clinical biochemistry.
- Clinical Biochemistry for M.Sc. students of clinical biochemistry.
- General Biochemistry for B.Sc. students of medical laboratory sciences.
- Endocrinology for B.sc. students of medical laboratory sciences.
- Medical Biochemistry for B.sc. students of medical laboratory sciences.
- General Biochemistry for B.sc. students of optometry and audiometry.
- Practical General Biochemistry for medical and dental students.

Research Laboratory Experience

- Real-Time RT-PCR
- PCR-RFLP
- DNA Extraction
- RNA Extraction
- Protein Extraction
- Plasmid Extraction
- PBMC Isolation
- Cell Culture

Medical laboratory Experience

- Proficiency in Quality Control and Assurance Programs
- In-depth Knowledge of Regulatory Compliance Standards (e.g., CLIA, CAP, FDA)
- Skilled in Laboratory Equipment Management and Maintenance
- Leadership in Staff Supervision and Performance Evaluation
- Development and Implementation of Standard Operating Procedures (SOPs)
- Clinical Consultation and Diagnostic Test Interpretation
- Design and Delivery of Training Programs for Laboratory Staff
- Representation in Community and Professional Engagement Activities

Workshops

- Gene expression analysis, Stem cell research center ,2010.
- Gene transfer to mammalian cells, Stem cell research center ,2010.
- Bioinformatics and primer design, Stem cell research center ,2010.
- Micro RNA and SiRNA designing and transfecting and profiling of MicroRNAs, Stem cell research center ,2010.
- Flow cytometry and immune-histochemistry, Stem cell research center ,2010.
- Cloning, Stem cell research center ,2010.
- Realtime PCR, Viragene Company,2015.
- Epigenetics and cell signaling, Shahid Beheshti University of Medical Sciences ,2017.