



Maryam Golmohammadi, M.D.

Last Update: April 2025

PERSONAL DETAILS

Date of Birth: 04.04.1997

Country of Residency: United States

Email: MGolmohammadi@mednet.ucla.edu; maryam.golmohammadi.sbm@gmail.com

Google Scholar: <https://scholar.google.com/citations?hl=en&user=oXn3PhYAAAAAJ>

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EDUCATION

Doctor of Medicine (MD)- Integrated Program

2015- Sep 2022

Shahid Beheshti University of Medical Sciences, Tehran, Iran

GPA: 19.11/20.00 (4.0/4.0)

Diploma in Natural Sciences

2011-2015

Farzanegan 4 High School and pre-university (NODET), Tehran, Iran

GPA: 20.00/20.00 (4.0/4.0)

ACHIEVEMENTS

National University Entrance Exam in the natural sciences among 600,000 applicants, 2015: **143**

National University Entrance Exam in foreign languages among 7,000 applicants, 2015: **81**

1st ranked medical doctor among 150 Shahid Beheshti University of Medical Sciences graduates.

SCHOLARSHIP/ AWARDS

IFOND Research Scholarship

International Foundation for Optic Nerve Disease (2025); P. O. Box 777, Cornwall, NY 12518, USA.

Email: ifond@aol.com; Web site: <https://www.ifond.org/>

A competitive scholarship recognizing outstanding contributions to LHON research. Funding awarded to support research project: [Elucidating Cytokine-Mediated Pro-Inflammatory Response in the Pathogenesis of Optic Nerve Head Injury in Leber's Hereditary Optic Neuropathy \(LHON\)](https://www.ifond.org/projects.php3). <https://www.ifond.org/projects.php3>

SELECTED PUBLICATIONS

Published Articles

- [1] **Golmohammadi, M**, Mahmoudian, M, Hasan, EK, et al. Neuroprotective effects of riluzole in Alzheimer's disease: A comprehensive review. *Fundam Clin Pharmacol*. 2023; 1-13.
- [2] **Golmohammadi M**, Meibodi SAA, Al-Hawary SIS, et al. Neuroprotective effects of resveratrol on retinal ganglion cells in glaucoma in rodents: A narrative review. *Anim Models Exp Med*. 2024; 00: 1-13. doi:10.1002/ame2.12438
- [3] Oraee-Yazdani, S., Akhlaghasand, M., **Golmohammadi, M**. et al. Combining cell therapy with human autologous Schwann cell and bone marrow-derived mesenchymal stem cell in patients with subacute complete spinal cord injury: safety considerations and possible outcomes. *Stem Cell Res Ther* 12, 445 (2021).
- [4] Golmohammadi M, Akhlaghasand M, Oraee-Yazdani S, Zali A. Effectiveness of autologous Schwann cell and bone marrow-derived mesenchymal stem cell transplantation for individuals with spinal cord injury in promoting sensory recovery. *International Clinical Neurosciences Journal*. 2021;8(1):9-13. <http://dx.doi.org/10.34172/icnj.2021.03>
- [5] Zamanian, M.Y., **Golmohammadi, M.**, Amin, R.S. et al. Therapeutic Targeting of Krüppel-Like Factor 4 and Its Pharmacological Potential in Parkinson's Disease: A Comprehensive Review. *Mol Neurobiol* (2023).
- [6] Zamanian, M. Y., Ivraghi, M. S., Gupta, R., Prasad, K. D. V., Alsaab, H. O., Hussien, B. M., Ahmed, H., Ramadan, M. F., **Golmohammadi, M. (Corresponding Author)**, Nikbakht, N., Oz, T., & Kujawska, M. (2023). miR-221 and Parkinson's disease: A biomarker with therapeutic potential. *European Journal of Neuroscience*, 1–15.
- [7] Oraee-Yazdani S, **Golmohammadi M**, Akhlaghasand M, Oraee-Yazdani M. Covering of Plate after Anterior Cervical Fusion in Patients with Complete Spinal Cord Injury to Prevent Esophageal Injury: Technical Note. *J Neurol Surg a Cent Eur Neurosurg*. 2020;81(06):546-8.
- [8] Salemi, S., Zamanian, M. Y., Giménez-Llort, L., Jalali, Z., Mahmoodi, M., **Golmohammadi, M.**, Kaeidi, A., Taghipour, Z., Khademalhosseini, M., Modanloo, M., & Hajizadehi, M. R. (2023). Distinct signatures on d-galactose-induced aging and preventive/protective potency of two low-dose vitamin D supplementation regimens on working memory, muscular damage, cardiac and cerebral oxidative stress, and SIRT1 and calstabin2 downregulation. *Food Science & Nutrition*, 11, 5050–5062.
- [9] Oraee-Yazdani S, **Golmohammadi M**, Akhlaghasand M, Nooranipour V, Oraee-Yazdani M, Fakharian E, et al. Unilateral Oculomotor Nerve Dysfunction Induced by Ruptured Anterior Communicating Artery Aneurysm along with Isolated Intraventricular Hemorrhage in a Trauma Patient. *Trauma Monthly*. 2020;25(4):188-90.
- [10] Yazdani SO, **Golmohammadi M**, Akhlaghasand M, Yazdani MO. A Three approach at one stage to surgical management of Cervical Spondyloptosis after Failed Primary anterior fusion. *J Neurosci Neurol Disord*. 2018; 2: 098-100. <https://doi.org/10.29328/journal.jnnd.1001018>
- [11] Soltani, A., Chugaeva, U.Y., Ramadan, M.F, **Golmohammadi M (Corresponding Author)**. et al. A narrative review of the effects of dexamethasone on traumatic brain injury in clinical and animal studies: focusing on inflammation. *Inflammopharmacol* (2023).

- [12] Jameie M, Torabi E, **Golmohammadi M**, Vafaei-Nezhad S, Farhadi M, Abbaszadeh HA, et al. Neuroapoptosis Signaling Pathways in Hippocampus Following Ovariectomy and Its Inhibition by Systemic Exogenous Estradiol Replacement Therapy (2022).
- [13] Zamanian, M.Y., Parra, R.M.R., Soltani, A. et al. Targeting Nrf2 signaling pathway and oxidative stress by resveratrol for Parkinson's disease: an overview and update on new developments. *Mol Biol Rep* 50, 5455–5464 (2023).
- [14] Zamanian MY, Soltani A, Khodarahmi Z, et al. Targeting Nrf2 signaling pathway by quercetin in the prevention and treatment of neurological disorders: An overview and update on new developments. *Fundam Clin Pharmacol* (2023).
- [15] Zamanian MY, Alsaab HO, **Golmohammadi M**, et al. NF-KB pathway as a molecular target for curcumin in diabetes mellitus treatment: focusing on oxidative stress and inflammation. *Cell Biochem Funct.* 2024; 42:e4030. doi:10.1002/cbf.4030
- [16] Mohammadi I, Akhlaghpasand M, Tavanaei R, **Golmohammadi M**, Zali A, Yazdani SO. Factors Associated with Neurogenic Bowel Dysfunction Severity in Spinal Cord Injury: A Cross-sectional Study. *International Clinical Neuroscience Journal* (2021).
- [17] Khaje A, Soleimanzadeh Mousavi SH, **Golmohammadi M**, Tavakolikia Z, Miri-Aliabad G, Keeekha R, et al. Investigating and determining the risk factors of neonatal seizures in NICU patients in the South of Iran. *Journal of Pediatric and Neonatal Individualized Medicine (JPNIM)* (2021).
- [18] Oraee-Yazdani S, Akhlaghpasand M, Shokri G, Rostami F, **Golmohammadi M**, Jamshidi-Adegani F, et al. Intracerebral Administration of Autologous Mesenchymal Stem Cells as HSV-TK Gene Vehicle for Treatment of Glioblastoma Multiform: Safety and Feasibility Assessment. *Molecular neurobiology.* 2021;58(9):4425-36.
- [19] S. Oraee-Yazdani, M. Akhlaghpasand, F. Rostami, M. Golmohammadi, R. Tavanaei, G. Shokri, M. Hafizi, M. Oraee-Yazdani, A.-R. Zali, M. Soleimani, Case report: Stem cell-based suicide gene therapy mediated by the herpes simplex virus thymidine kinase gene reduces tumor progression in multifocal glioblastoma, *Frontiers in Neurology*, 14 (2023) 1060180. <https://doi.org/10.3389/fneur.2023.1060180>
- [20] **Golmohammadi, M**, Elmaghaby, DA, Ramírez-Coronel, AA, et al. A comprehensive view on the quercetin impact on bladder cancer: Focusing on oxidative stress, cellular, and molecular mechanisms. *Fundam Clin Pharmacol.* 2023; 1- 10.
- [21] Zamanian MY, **Golmohammadi M**, Abdullaev B, et al. A narrative review on therapeutic potential of naringenin in colorectal cancer: focusing on molecular and biochemical processes. *Cell Biochem Funct.* 2024; 42:e4011. doi:10.1002/cbf.4011
- [22] **Golmohammadi, M.**, Zamanian, M. Y., Jalal, S. M., Noraldein, S. A. M., Ramírez-Coronel, A. A., Oudaha, K. H., Obaid, R. F., Almulla, A. F., Bazmandegan, G., & Kamiab, Z. (2023). A comprehensive review on Ellagic acid in breast cancer treatment: From cellular effects to molecular mechanisms of action. *Food Science & Nutrition*, 00, 1–11.
- [23] Zamanian, MY, **Golmohammadi, M (Co-First Author)**, Nili-Ahmadabadi, A, et al. Targeting autophagy with tamoxifen in breast cancer: From molecular mechanisms to targeted therapy. *Fundam Clin Pharmacol.* 2023; 1- 17.
- [24] Zamanian MY, **Golmohammadi M (Co-First Author)**, Alalak A, Kamiab Z, Obaid R, Ramírez-Corone AA, et al. STAT3 Signaling Axis and Tamoxifen in Breast Cancer: A Promising Target for Treatment Resistance. *Anti-cancer agents in medicinal chemistry.* 2023.
- [25] Daneshvar, S., Zamanian, M. Y., Ivraghi, M. S., **Golmohammadi, M.**, Modanloo, M., Kamiab, Z., Pourhosseini, S. M. E., Heidari, M., & Bazmandegan, G. (2023). A comprehensive view on the apigenin impact on colorectal cancer: Focusing on cellular and molecular mechanisms. *Food Science & Nutrition*, 11, 6789–6801.

- [26] Alavi Darazam I, Shokouhi S, Pourhoseingholi MA, Naghibi Irvani SS, Mokhtari M, Shabani M, et al. Role of interferon therapy in severe COVID-19: the COVIFERON randomized controlled trial. *Scientific reports*. 2021;11(1):8059.
- [27] Irvani SSN, **Golmohammadi M (Co-First Author)**, Pourhoseingholi MA, Shokouhi S, Darazam IA. Effectiveness of Interferon Beta 1a, compared to Interferon Beta 1b and the usual therapeutic regimen to treat adults with moderate to severe COVID-19: structured summary of a study protocol for a randomized controlled trial. *Trials*. 2020;21(1):473.
- [28] Sadat Rahimi F, Afaghi S, Esmacili Tarki F, Moeinabadi Bidgoli K, **Golmohammadi M**, Malekpour Alamdari N, et al. The Historical Epidemiology of Human Monkeypox: A Review of Evidence from the 1970 Emergence to the 2022 Outbreak. *The Tohoku Journal of Experimental Medicine*. 2022;advpub.
- [29] Kashefzadeh A, Ohadi L, **Golmohammadi M**, Araghi F, Dadkhahfar S. Clinical features and short-term outcomes COVID-19 in Tehran, Iran: An analysis of mortality and hospital stay. *Acta Bio Medica: Atenei Parmensis*. 2020;91(4).
- [30] Zamanian, M. Y., Sadeghi Ivraghi, M., Khachatryan, L. G., Vadiyan, D. E., Bali, H. Y., & **Golmohammadi, M. (Corresponding Author)** (2023). A review of experimental and clinical studies on the therapeutic effects of pomegranate (*Punica granatum*) on non-alcoholic fatty liver disease: Focus on oxidative stress and inflammation. *Food Science & Nutrition*, 00, 1–19.
- [31] Hamed Rahmani Youshanlouei HV, Amir Tahavvori, Fatemeh Yazdanfar, Mehdi Nadiri, Reza Mosaddeghi heri, Ali Shariati, Farima Fakhri, Maryam Noor, **Maryam Golmohammadi**, Sara Kazemina, Fariba Mirakhori, Majid Ahmad. Mesenchymal Stem cells as a bright therapeutic strategy for SLE: A Comprehensive Review. *NEUROQUANTOLOGY*. 2023;21(5):334-64.
- [32] **Golmohammadi M**, Samieefar N, Boroujeni RY, Rezazadeh A. Association between Disordered Eating Behavior and Sleep Disturbance in Medical Students of Shahid Beheshti University. *Social Determinants of Health*. 2019;5(1):28-35.
- [33] Samieefar N, **Golmohammadi M**, Rashedi R, Rezazadeh A, Heidarnia MA. The relation of spiritual aspect of nutrition and health. *Social Determinants of Health*. 2019;4(4):208-16.
- [34] Akhlaghpasand M, Tavanaei R, Allameh F, et al. Improvement of Neurogenic Bladder Dysfunction Following Combined Cell Therapy with Mesenchymal Stem Cell and Schwann Cell in Spinal Cord Injury: A Randomized, Open-Label, Phase II Clinical Trial. *World Neurosurg*. Published online November 25, 2024. doi:10.1016/j.wneu.2024.10.131.
- [35] Molavi Vasei F, Zamanian MY, **Golmohammadi M**, Mahmoodi M, Khademalhosseini M, Tavakoli T, Esmacili OS, Zarei S, Reza Mirzaei M, Hajizadeh MR. The Impact of Vitamin E Supplementation on Oxidative Stress, Cognitive Functions, and Aging-Related Gene Expression in Aged Mice. *Food Sci Nutr*. 2024 Oct 26;12(11):9834-9845.
- [36] Zamanian MY, Shahbazi T, Kazmi SW, Hussien BM, Sharma A, Qasim MT, HJazi A, Sapaev IB, Nouri Danesh A, Taheri N, **Golmohammadi M**. Effects of Resveratrol on Nonmelanoma Skin Cancer (NMSC): A Comprehensive Review. *Food Sci Nutr*. 2024 Oct 24;12(11):8825-8845. doi: 10.1002/fsn3.4555. PMID: 39620024; PMCID: PMC11606877.
- [37] **Golmohammadi M**, Ivraghi MS, Hasan EK, et al. Protective effects of pioglitazone in renal ischemia-reperfusion injury (RIRI): focus on oxidative stress and inflammation. *Clin Exp Nephrol*. 2024;28(10):955-968.
- [38] **Golmohammadi M**, Zamanian MY, Al-Ani AM, Jabbar TL, Kareem AK, Aghaei ZH, Tahernia H, HJazi A, Jissir SA, Hakimzadeh E. Targeting STAT3 signaling pathway by curcumin and its analogues for breast cancer: A narrative review. *Animal Model Exp Med*. 2024 Dec;7(6):853-867. doi: 10.1002/ame2.12491. Epub 2024 Sep 2. PMID: 39219410; PMCID: PMC11680487.

- [39] Zamanian MY, **Golmohammadi M**, Yumashev A, et al. Effects of metformin on cancers in experimental and clinical studies: Focusing on autophagy and AMPK/mTOR signaling pathways. *Cell Biochem Funct*. 2024;42(4):e4071.
- [40] Zamanian, M.Y., Gardanova, Z.R., Hjaz, A. Pomegranate as a natural remedy for gastric ulcer prevention: a review of its gastroprotective mechanisms and pharmacological benefits. *Naunyn-Schmiedeberg's Arch Pharmacol* (2025). <https://doi.org/10.1007/s00210-025-03822-8>
- [41] Zamanian MY, Zafari H, Osmarina MK, Skakodub AA, Al-Aouadi RFA, **Golmohammadi M**, Nikbakht N, Fatemi I. Improving dexamethasone drug loading and efficacy in treating rheumatoid arthritis via liposome: Focusing on inflammation and molecular mechanisms. *Animal Model Exp Med*. 2025 Jan;8(1):5-19. doi: 10.1002/ame2.12518. Epub 2024 Dec 3. PMID: 39627850; PMCID: PMC11798740.
- [42] Darazam, Ilad Alavi; Moein, Kasra; **Golmohammadi, Maryam**; Afaghi, Siamak; Imanzade, Fariba; Nazhand, Hadi Allahverdi; Erdem, Hakan. Brucellosis in patients with malignancies: A systematic review. *Asian Pacific Journal of Tropical Medicine* 18(3):p 113-121, March 2025. | DOI: 10.4103/apjtm.apjtm_119_25.
- [43] Zamanian, M. Y., Golmohammadi, M., Gardanova, Z. R., Rahimi, M., Khachatryan, L. G., & Khazaei, M. (2025). The Roles of Neuroinflammation in L-DOPA-Induced Dyskinesia: Dissecting the Roles of NF- κ B and TNF- α for Novel Pharmacological Therapeutic Approaches. *The European Journal of Neuroscience*, 61(5), e70034. <https://doi.org/10.1111/ejn.70034>.
- [44] Akhlaghpasand M, Hosseinpour M, Hajikarimloo B, Hajarizadeh A, Golmohammadi M, et al. Repeated Intrathecal Injections of Autologous Bone Marrow-Derived Mesenchymal Stem Cells for Spastic Cerebral Palsy: Single-Arm Safety and Preliminary Efficacy Clinical Trial, *Journal of Neurorestoratology*, 2025, 100207, ISSN 2324-2426, <https://doi.org/10.1016/j.jnrt.2025.100207>.
- [45] Akhlaghpasand, M., Tavanaei, R., Hosseinpour, M. *et al*. Neurological, functional, and quality of life outcomes following combined mesenchymal stem cell and Schwann cell therapy in spinal cord injury: a 9-year experience. *Stem Cell Res Ther* **16**, 226 (2025). <https://doi.org/10.1186/s13287-025-04312-7>.

Submitted articles

- A comprehensive review of the effects of tacrolimus (FK-506) on dry eye disease (DED): Focus on inflammation
- Circadian Rhythm and the Visual System
- Oxygen And Adult Eye Diseases: Physiology and Pathophysiology
- Oxygen And Adult Eye Diseases: Disease Presentation and Management

WORK EXPERIENCE

Research experiences

- **Research Assistant, Department of Neurosurgery, Shohada-Tajrish Hospital** 2017-2020
Shahid Beheshti University of Medical Sciences, Tehran, Iran
Supervisor: Saeed Oraee Yazdani, MD, PhD
Projects: Stem Cell Therapy for Spinal Cord Injury (Clinical Trial) and Gene Therapy for Glioblastoma (Clinical Trial)

Funded Clinical Study: I wrote a grant proposal entitled “Efficacy Assessment of Bone Marrow Mesenchymal Stem Cells Transplantation Containing Suicidal Gene in Combination with Prodrug to Treatment of Patients with Glioblastoma Multiform- Preliminary Results (Clinical Trial Phase II)”; Funder: National Institute for Medical Research Development (NIMAD); Grant Number: 984956

- **Research Assistant, Department of Infectious Diseases, Loghman Hakim Hospital** **2020-2022**
Shahid Beheshti University of Medical Sciences, Tehran, Iran
Supervisor: Ilad Alavi Darazam, MD
Projects: Interferon Therapy for COVID-19 (Clinical Trial) and Brucellosis in malignancy (Systematic Review)
- **Research Assistant affiliated with the School of Medicine, Shahid Beheshti University of Medical Sciences, Iran, 2022-2024**
Supervisor: Lydia Giménez Llort, PhD and Mohammad Yasin Zamanian, PhD
Projects: Molecular mechanisms of neurological disorders (Review articles), Potential effects of various compounds on working memory, Alzheimer’s disease, Parkinson’s disease (Animal research & Review articles), and targeting different signaling pathways in cancer treatment (Review articles)
- **Post-Doc Research Fellow, UCLA Doheny Eye Institute** **2024- Present**
Supervisor: Alfredo A. Sadun, MD, PhD
Projects: I perform histopathology on postmortem eyes of patients with Leber’s Hereditary Optic Neuropathy and Alzheimer’s Disease. I use immunohistochemical techniques to identify specific cells and deposits.

Teaching and Mentorship Experiences

- English and Anatomical Sciences **teacher assistant**, Shahid Beheshti University of Medical Sciences, Tehran, Iran
- Proposal Writing, Student Scientific Research Center, Shahid Beheshti University of Medical Sciences
- Mentor of medical students in Idea Show Great Festival, Shahid Beheshti University of Medical Sciences, Tehran, Iran
- Reviewer of Frontiers, Scientific Reports, Emerging Microbes & Infections, etc.

CONGRESS and LECTURES

1. **Golmohammadi M**, Gauthier DA, Abd Elmaseh S, Pargalava N, Sadun AA. Visual Outcomes of First Affected Eye Vs. Second In Leber’s Hereditary Optic Neuropathy Patients. Poster presentation. 51st North American Neuro-Ophthalmology Society (NANOS 2025), March 15-20, 2025, Tucson, Arizona.
2. **Golmohammadi M**, Ross-Cisneros FN, Gauthier DA, Sadun AA. Cytokine-Mediated Proinflammation in the Optic Nerve Head of Leber Hereditary Optic Neuropathy: An Immunohistochemical Study. Poster presentation. The Association for Research in Vision and Ophthalmology (ARVO 2025), May 4-8, 2025, Salt Lake City, Utah.
3. Gauthier DA, **Golmohammadi M**, Abd Elmaseh S, Pargalava N, Sadun AA. The Effects of Optic Nerve Head Disc Area on Visual Acuity, Retinal Nerve Fiber Layer, and Visual Field in Leber’s Hereditary Optic Neuropathy. Poster presentation. 51st North American Neuro-Ophthalmology Society (NANOS 2025), March 15-20, 2025, Tucson, Arizona.
4. Abd Elmaseh S, Gauthier DA, Pargalava N, Carelli V, Sadun AA, **Golmohammadi M**. Does Metformin Alter the Course of Type 2 Leber Hereditary Optic Neuropathy? Poster presentation. 51st North American Neuro-Ophthalmology Society (NANOS 2025), March 15-20, 2025, Tucson, Arizona.

5. Pargalava N, Gauthier DA, Abd Elmaseh S, Huang C, **Golmohammadi M**, Ma E, Karanjia R, Sadun AA. Smoke, Not Smoking, As A Risk Factor Triggering Conversion in Leber's Hereditary Optic Neuropathy. Poster presentation, 51st North American Neuro-Ophthalmology Society (NANOS 2025), March 15-20, 2025, Tucson, Arizona.
6. Oraee-Yazdani S, **Golmohammadi M**, Akhlaghpasand MH, Oraee-Yazdani M. Covering of Plate after Anterior Cervical Fusion in Patients with Complete Spinal Cord Injury to Prevent Esophageal Injury. Poster presentation, World Federation Neurosurgical Societies (WFNS 2019) Special World Congress (The Last Interim Meeting), September 9-12, 2019, Beijing/China.
7. **Golmohammadi M**, Oraee-Yazdani S, Akhlaghpasand MH, Zali A. Safety and Feasibility Assessment of Bone Marrow Mesenchymal Stem Cells Transplantation Containing Suicidal Gene in Combination with Pro-drug to Treatment of Patients with Glioblastoma Multiform. Oral presentation, 8th Basic and Clinical Neuroscience Congress (BCNC), December 18-20, 2019, Tehran, Iran.
8. **Golmohammadi M**, Oraee-Yazdani S, Akhlaghpasand MH, Zali A. Safety and Possible Outcome of the Combination of Autologous Schwann Cell and Bone-Marrow-Derived Mesenchymal Stem Cell Transplantation in Patients with Acute and Subacute Spinal Cord Injury. Poster presentation, 8th Basic and Clinical Neuroscience Congress (BCNC), December 18-20, 2019, Tehran, Iran.
9. **Golmohammadi M**, Samieefar N, Yari-Boroujeni R, Rezazadeh A. Association between Disordered Eating Behavior and Sleep Disturbance in Medical Students of Shahid Beheshti University. Oral presentation, 1st International Nutrition from Laboratory Research to Clinical Studies (NLRCS) Congress, September 6-8, 2017, Mashhad, Iran.
10. **Golmohammadi M**, Yari-Boroujeni R, Samieefar N, Mansouri-Tehrani MM. Perception, Knowledge & Awareness of Heart Disease among Medical Students of Shahid Beheshti University. Oral Presentation, 1st Community Medicine Congress, February 14, 2017, Tehran, Iran.

SKILLS

Scientific writing, Systematic review

Basic laboratory techniques (Cell Culture and Immunohistochemistry)

Competent in the use of C++/ SPSS / R / Endnote / Mendeley - Reference Management Software/ BioRender

Teamwork, communication skills, time management, and planning

TRAINING

Clinical Research Methodology Workshop, Shahid Beheshti University of Medical	May 2016
Summer School of Stem Cells and Reconstructive Medicine, Shahid Beheshti University of Medical Sciences	Sep 2016
First Aid and Volunteer Skills Training Workshop, Red Crescent Society, Iran	Dec 2018
Cell Culture, Cell Therapy, and Gene Therapy Workshop, Shahid Beheshti University of Medical Sciences	Jun 2022
Flow Cytometry Workshop, Shahid Beheshti University of Medical Sciences	Jul 2022

MEMBERSHIP

- Universal Scientific Education and Research Network (USERN)
- Editorial team of International Clinical Neuroscience Journal
- Executive Committee in the 12th Iranian Congress on Anatomical Sciences, May 2016, Tehran, Iran
- Executive Team of SBMU USERN Office Opening Ceremony, October 2019, Tehran, Iran
- Executive Team of First Aid and Volunteer Skills Training Workshop, SBMU USERN Office, November 2019, Tehran, Iran
- Reviewer of Trials Journal, May 2020
- Reviewer of Pathology-Research and Practice Journal, June 2020
- Reviewer of Frontiers, February 2023

PEER-REVIEWED CONTRIBUTIONS (Web of Science ResearcherID: **ABE-5654-2022)**

- [1] The Impact of BMI and Age on Biomarker Levels in Brain Cancer Patients. *Discover Oncology*, 2025.
- [2] A combinatorial nanoemulsion of resveratrol, cannabidiol, and tannic acid for HT-29 colorectal cancer cell line eradication. *PLOS ONE*, 2025.
- [3] Metformin: A Dual-Role Player in Cancer Treatment and Prevention: A Comprehensive Systematic Review and Meta-Analysis. *Cancer Medicine*, 2025
- [4] Comprehensive Bioinformatics Analysis Reveals Molecular Signatures and Potential Caloric Restriction Mimetics with Neuroprotective Effects: Validation in an In Vitro Stroke Model, *Journal of Molecular Neuroscience*, 2025.
- [5] Plasma-based proteomic analysis of molecular pathways in canine diabetes mellitus after astaxanthin supplementation. *PLOS ONE*, 2025.
- [6] Understanding the Role of Sesame By-products against high-to-moderate Penetrance Genes in Triple Negative Breast Cancer, *Discover Oncology*, 2025.
- [7] Cordycepin's Therapeutic Potential: In Vivo Transport, Transbilayer Diffusion, and Anti-Aging Effects, *Journal of the Science of Food and Agriculture*, 2025.
- [8] Metformin and Bone Metabolism: Unraveling their Direct and Indirect Effects. *Therapeutic Advances in Endocrinology and Metabolism*, 2025.
- [9] Mammalian Sterile 20-Like Kinase 2 Knockdown Alleviates Neuropathic Pain in Rats by Mitochondrial Protection Associated with Sirt1 Phosphorylation, *Molecular Neurobiology*, 2025.
- [10] Application of exosome-mediated tumor-macrophage communication in breast cancer. *Discover Oncology*, 2025.
- [11] Harnessing IL-10: Strategies for Inflammation Control in Sickle Cell Anemia. *Medicine*, 2025.
- [12] cognitive function and neuroprotection in aging: A focus on spatial learning and memory. *Phytotherapy Research*, 2025
- [13] The role of NETosis in Myocardial Ischemia-Reperfusion Injury. *Biomedical Reports*, Spandidos Publications, 2025.

- [14] Vitamin D attenuates airway inflammation and airway responsiveness in T2-low asthma by suppressing autophagy via the mTOR signaling pathway. *Molecular Medicine Reports*, Spandidos Publications, 2025.
- [15] Apigenin and Treating Bladder Cancer: A Mini-review. *Natural Product Research Journal*, 2025.
- [16] Synergistic effects of exercise and dietary polyphenols on cognitive function and neuroprotection in aging: A focus on spatial learning and memory. *Phytotherapy Research Journal*, 2025.
- [17] Role of Rutin in the Management of Cancer through Modulation of Cell Signaling Pathways, *Open Life Sciences*, 2025.
- [18] Remodeling the Neuroimmune Microenvironment in Retinal Ischemia-reperfusion Injury via Combined CRISPR/Cas9 Targeting of ACSL4 and Isorhamnetin, *Advanced Functional Materials*, 2025.
- [19] Photoprotective and Antioxidant Effects of Aged Punica granatum Extract: Clinical and In Vitro Insights. *Food Science & Nutrition*, 2025.
- [20] The role and mechanisms of aged black tea in alleviating gastric mucosal injury through modulation of the NF- κ B/MAPK signaling pathway. *Food Science and Human Wellness Journal*, 2025.
- [21] Curcuminoids AN02 inhibits the proliferation and immune escape of ovarian cancer through the APC-SMAD4-CTLA-4 signaling pathway. *Molecular Carcinogenesis*, 2025.
- [22] Molecular mechanisms and clinical value of the correlation between depression and cancer. *Medical Oncology*, 2025.
- [23] eIF2 α ; acetylation induced endoplasmic reticulum stress-associated M1 macrophage polarization in aged liver IRI. *International Journal of Molecular Medicine*, 2025.
- [24] Exploring The Therapeutic Potentials of Photobiomodulation Therapy (PBMT) In Urogenital Disorders: A Comprehensive Review. *Lasers in Medical Science*, 2025.
- [25] Resveratrol: Potential Therapeutic Effects on Ocular Health. *Archives Of Physiology And Biochemistry Journal*, 2025.
- [26] Diacerein in Rheumatoid Arthritis: Unravelling Its Healing Potential and Molecular Pathways. *Acta Materia Medica Journal*, 2025.
- [27] Natural compounds as potential therapeutics for pancreatic cancer: A narrative review, *Clinical and Experimental Pharmacology and Physiology*, 2025.
- [28] The beneficial effects of berberine on brain functions in age-related neurological disorders: From molecular signaling to treatment, *Food Science & Nutrition*, 2025.
- [29] Procyanidins as potential anticancer agents: Mechanisms of action, bioavailability challenges, and therapeutic opportunities, *Medical Oncology*, 2025.
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