Curriculum Vitae

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Personal Information

First Name: Morteza

Last Name: Jafarinia

Gender/Marital Status: Male/Single

Date/Place of Birth: Aug 28, 1989/ Marvdasht, Fars Province, Iran

Current Position: Assistant Professor of Immunology, Shiraz Neuroscience Research Center, Shiraz University of Medical Sciences, Shiraz, Iran.

Educations: Academic Preparations

- **Ph.D.** in Medical Immunology, Isfahan University of Medical Sciences, Isfahan, Iran. 2016-2021.
- **M.Sc.** in Medical Immunology, Shiraz University of Medical Sciences, Shiraz, Iran. 2012-2016.
- **B.Sc.** in Laboratory Sciences, Fasa University of Medical Sciences, Fasa, Iran. 2008-2012.

Dissertations

- **Ph.D. Thesis:**
  Investigation of the effect of human adipose-derived mesenchymal stem cell exosomes on improvement process of disease in Experimental Autoimmune Encephalomyelitis.

  Degree: Excellent, 19.8

  Supervisors: Fereshteh Alsahebfosoul, Associated professor in Immunology

  Mazdak Ganjalikhani Hakemi, Associated professor in Immunology

  Isfahan University of Medical Sciences, Isfahan, Iran

- **M.Sc. Thesis:**
  Functional investigation of $CD25^-$ T regulatory cells in tumor-draining lymph nodes (TDLNs) of colon cancer

  Degree: Excellent, 19.00

  Supervisor: Abbas Ghaderi, Professor in Immunology

  Shiraz University of Medical Sciences, Shiraz Iran

Citation Metrics up to May 2026:

- Scopus: Total citations: 40608, H-index: 27
- Web of Science: Total citations: 33748, H-index: 27
- Google Scholar: Total citations: 56471, H-index: 33

Editorial Board:

- Iranian Journal of Imunology (IJI)

Reviewer:

- Frontiers in Immunology
- Frontiers in Cell and Developmental Biology
- Frontiers in Public Health
- Frontiers in Microbiology
- Scientific Reports
- Pharmaceuticals
- Human Cell
- Journal of Clinical Medicine
- Pathogens and Disease
- Immunological Investigations
- European Neurology
- Cell Journal (Yakhteh)
- Clinical Neurology and Neurosurgery
- Iranian Journal of Immunology
- BMC Research Notes
- Galen Medical Journal

Honors & Awards:

- The world's top 1% highly cited researcher, 2025.
- The world's top 1% highly cited researcher, 2024.
- The world's top 1% highly cited researcher, 2023.
- The world's top 2% highly cited researcher, 2025.
- The world's top 2% highly cited researcher, 2024.
- The world's top 2% highly cited researcher, 2023.
- The world's top 2% highly cited researcher, 2022.
- 5th rank in the Ph.D. entrance examination. Ministry of Health and Medical Education, Iran, 2016.

Publications

- **Published Papers**

1. **Jafarinia M**, Goharitaban S, Jahromi BN, Parsanezhad ME, Vakili S. The influence of rosmarinic acid on male reproductive health: Biological mechanisms and clinical prospects.

Biochemistry and Biophysics Reports. 2026 Jun 1;46:102610.

2. Sepanlou SG, Aliabadi HR, Abbasi M, Abbastabar H, Abdollahi A, Abolhassani H, Abolmaali M, Abtahi D, Aghamir SM, Ahmadi A, Ajami M, …, **Jafarinia M**, …. Burden of 292 causes of death and life expectancy decomposition in Iran, 1990–2023: a systematic analysis for the Global Burden of Disease Study 2023. The Lancet Global Health. 2026 May 1;14(5):e734-48.
3. Akbarzadeh A, Farrokhi MR, Ayati Firoozabadi M, Mortazavi SM, Mortazavi J, Vakili S, Shapoori S, **Jafarinia M***. The immunomodulatory power of mesenchymal stem/stromal cell-derived extracellular vesicles in bone disorders: A comprehensive review. Clinical and Experimental Medicine. 2026 Feb 14.
4. Azimzadeh M, **Jafarinia M***. Carnosol and melatonin co-treatment attenuates neuroinflammation and oxidative stress in experimental autoimmune encephalomyelitis. Biomedicine and Pharmacotherapy. 2026 Jan.
5. Azimzadeh M, Shahpoori S, **Jafarinia M***. Synergistic effects of melatonin and curcumin in ameliorating experimental autoimmune encephalomyelitis: insights into anti-inflammatory, antioxidant, and neuroprotective mechanisms. Inflammopharmacology. 2025. 33(12):7373-7386
6. Shahsavandi Y, Banaeian F, **Jafarinia M***, Nasri F, Shapoori S. miRNAs from Mesenchymal Stem Cell-Derived Extracellular Vesicles: Emerging Players in Regenerative Medicine and Disease Therapy. Molecular Therapy Nucleic Acids. 2025.
7. Saadoon Abdulazeez Alzori N, Azimzadeh M, Farrokhi MR, Vakili S, **Jafarinia M***. Serum chemokine profiling in spinal ependymoma: Correlation with tumor characteristics and prognostic implications. Neurology Asia. 2025 Dec;30(4).
8. Shahryari F, **Jafarinia M***, Jafarinia M, Azimzadeh M. Immunomodulatory and neuroprotective effects of miR-146a-enriched MSC-derived extracellular vesicles in experimental autoimmune encephalomyelitis. International Immunopharmacology. 2025 Dec 3;166:115584.
9. Abolhassani S, Hajivalili M, Fazeli P, **Jafarinia M**, Mansoori B, Paydar S, Hosseini M. The impacts of tranexamic acid on immune system during trauma. Thrombosis Research. 2025 Sep 16:109458.
10. Vakili S, Farrokhi MR, Motamed M, **Jafarinia M***, Shapoori S. Bone marrow–derived mesenchymal stem cells and their extracellular vesicles suppress splenocyte activation and ameliorate experimental autoimmune encephalomyelitis. In Vitro Cellular & Developmental Biology-Animal. 2025 Jul 16:1-1.
11. Vakili S, Farrokhi MR, Alsahebfosoul F, Aghajani J, Azimzadeh M, **Jafarinia M***. Evaluation of circulating IL-35, IL-39, and oncostatin M as potential biomarkers in relapsing-remitting multiple sclerosis. Neurology Asia. 2025 Jun 1;30(2).
12. Vakili S, Koohpeyma F, Samare-Najaf M, Namavar Jahromi B, **Jafarinia M**, Goharitaban S, Savardashtaki A, Samareh A, Amini F, Hashempur MH. Investigating the effects of rosmarinic acid on ovarian tissue, inflammatory markers, and sex hormones in polycystic ovary syndrome

rats. Physiological Reports. 2025 Apr;13(7):e70304.

13. Akbarzadeh A, Gerami MH, Farrokhi MR, Shapoori S, **Jafarinia M***. Therapeutic prospects of microRNAs derived from mesenchymal stem cell extracellular vesicles in rheumatoid arthritis: a comprehensive overview. Molecular and Cellular Biochemistry. 2025 Feb 6:1-2.
14. Oliaee RT, Farrokhi MR, Moeeni H, Tavakoly R, **Jafarinia M***, Iravanpour F. MicroRNA Dysregulation and Target Genes in Common Spinal Tumors. Cancer Genetics. 2025 Feb 21.
15. Hay SI, Ong KL, Santomauro DF, Aalipour MA, Aalruz H, Ababneh HS, Abaraogu UO, Abate BB, Abbafati C, Abbas N, Abbasifard M, …, **Jafarinia M,** …. Burden of 375 diseases and injuries, risk-attributable burden of 88 risk factors, and healthy life expectancy in 204 countries and territories, including 660 subnational locations, 1990–2023: a systematic analysis for the Global Burden of Disease Study 2023. The Lancet. 2025.
16. Schumacher AE, Zheng P, Barber RM, Aalipour MA, Aalruz H, Ababneh HS, Abaraogu UO, Abbafati C, Abbas N, Abbasifard M, Abbaspour F, …, **Jafarinia M,** …. Global age-sex-specific all-cause mortality and life expectancy estimates for 204 countries and territories and 660 subnational locations, 1950–2023: a demographic analysis for the Global Burden of Disease Study 2023. The Lancet. 2025.
17. Naghavi M, Kyu HH, Aalipour MA, Aalruz H, Ababneh HS, Abafita BJ, Abaraogu UO, Abbafati C, Abbasi M, Abbaspour F, Abbastabar H, …, **Jafarinia M,** …. Global burden of 292 causes of death in 204 countries and territories and 660 subnational locations, 1990–2023: a systematic analysis for the Global Burden of Disease Study 2023. The Lancet. 2025.
18. **Jafarinia M**, Farrokhi MR, Vakili S, Hosseini M, Azimzadeh M, Sabet B, Shapoori S, Iravanpour F, Oliaee RT. Harnessing the therapeutic potential of mesenchymal stem/stromal cell-derived extracellular vesicles as a novel cell-free therapy for animal models of multiple sclerosis. Experimental Neurology. 2024:114674.
19. Iravanpour F, Farrokhi MR, **Jafarinia M***, Tavakoli Oliaee R,. The effect of SARS-CoV-2 on the development of Parkinson's disease: The role of α-synuclein. Human Cell. 2024.
20. Vakili S, Rostami A, Jahromi BN, **Jafarinia M***. Changes in Inflammatory Cytokines, Vascular Markers, Cell Cycle Regulators, and Gonadotropin Receptors in Granulosa Cells of COVID-19 Infected Women: Gene Expression Analysis in Granulosa Cells of COVID-19 Infected Women. Galen Medical Journal. 2024 Oct 7;13:e3625-.
21. Vakili S, Koohpeyma F, Samare-Najaf M, Jahromi BN, **Jafarinia M**, Samareh A, Hashempur MH. The Effects of L-Tartaric Acid on Ovarian Histostereological and Serum Hormonal Analysis in an Animal Model of Polycystic Ovary Syndrome. Reproductive Sciences. 2024;31(11):3583-94.
22. Moghadam D, Zarei R, Rostami A, Samare-Najaf M, Ghojoghi R, Savardashtaki A, **Jafarinia M**, Vakili S, Irajie C. The Growth Inhibitory Effect of Resveratrol and Gallic Acid on Prostate Cancer Cell Lines through the Alteration of Oxidative Stress Balance: the Interplay between

Nrf2, HO-1, and BACH1 Genes. Anti-cancer agents in medicinal chemistry. 2024.

23. Samare-Najaf M, Dehghanian A, Asadikaram G, Mohamadi M, **Jafarinia M**, Savardashtaki A, Afshari A, Vakili S. Designing an Electrochemical Biosensor Based on Voltammetry for Measurement of Human Chorionic Gonadotropin. Journal of Medical Signals & Sensors. 2024 Jul 1;14(7):21.
24. Ghalichi L, Shariat SV, Naserbakht M, Taban M, Abbasi-Kangevari M, Afrashteh F, Ajami M, Akbarialiabad H, Amiri S, Arabloo J, Azizi H, **Jafarinia M**. National and subnational burden of mental disorders in Iran (1990–2019): findings of the global burden of Disease 2019 study. The Lancet Global Health. 2024 1;12(12):e1984-92.
25. Vakili S, **Jafarinia M***. Advances in Mesenchymal Stem Cell Research Applications for Female Infertility-Mechanisms, Efficacy Parameters, Challenges and Future Roadmap. Galen Medical Journal. 2024 8;13:1.
26. GBD 2021 Nervous System Disorders Collaborators. Global, regional, and national burden of disorders affecting the nervous system, 1990-2021: a systematic analysis for the Global Burden of Disease Study 2021. The Lancet Neurology. 2024.
27. GBD 2021 Demograohics Collaborators. Global age-sex-specific mortality, life expectancy, and population estimates in 204 countries and territories and 811 subnational locations, 1950-2021, and the impact of the COVID-19 pandemic: a comprehensive demographic analysis for the Global Burden of Disease Study 2021. The Lancet. 2024.
28. GBD 2021 Causes of Death Collaborators. Global burden of 288 causes of death and life expectancy decomposition in 204 countries and territories and 811 subnational locations, 1990-2021: a systematic analysis for the Global Burden of Disease Study 2021. The Lancet. 2024.
29. GBD 2021 Diseases and Injuries Collaborators. Global incidence, prevalence, years lived with disability (YLDs), disability-adjusted life-years (DALYs), and healthy life expectancy (HALE) for 371 diseases and injuries in 204 countries and territories and 811 subnational locations, 1990-2021: a systematic analysis for the Global Burden of Disease Study 2021. The Lancet. 2024.
30. GBD 2021 Forecasting Collaborators. Burden of disease scenarios for 204 countries and territories, 2022-2050: a forecasting analysis for the Global Burden of Disease Study 2021. The Lancet. 2024.
31. GBD 2019 Asia and All Cancers Collaborators. Temporal patterns of cancer burden in Asia, 1990–2019: a systematic examination for the Global Burden of Disease 2019 study. The Lancet Regional Health – Southeast Asia. 2023.
32. Lotfi N, Rezaei N, Rastgoo E, Shahraki BK, Zahedi G, Jafarinia M*. Schizophrenia Etiological Factors and Their Correlation with the Imbalance of the Immune System: An Update. Galen Medical Journal. 2023 Dec 1;12:e3109-.
33. Jamali E, Shapoori S, Farrokhi MR, Vakili S, Rostamzadeh D, Iravanpour F, Tavakoli Oliaee R, **Jafarinia M***. Effect of Disease-Modifying Therapies on COVID-19 Vaccination Efficacy in

Multiple Sclerosis Patients: A Comprehensive Review. Viral Immunology. 2023 Jun 5.

34. Mafi S, Ahmadi E, Meehan E, Chiari C, Mansoori B, Sadeghi H, Milani S, **Jafarinia M**, Taeb S, Mafakheri Bashmagh B, Mansoorian SM. The mTOR Signaling Pathway Interacts with the ER Stress Response and the Unfolded Protein Response in Cancer. Cancer Research. 2023 May 17:CAN-22.
35. Mousavi S, Vakili S, Zal F, Savardashtaki A, **Jafarinia M**, Sabetian S, Razmjoue D, Veisi A, Azadbakht O, Sabaghan M, Behrouj H. Quercetin potentiates the anti-osteoporotic effects of alendronate through modulation of autophagy and apoptosis mechanisms in ovariectomy-induced bone loss rat model. Molecular Biology Reports. 2023 Feb 24:1-1.
36. Golabi M, Yousefi Z, **Jafarinia M**, Montazeri M, Bastan S, Ghezelbash B, Eskandari N. miRNAs as the important regulators of myasthenia gravis: involvement of major cytokines and immune cells. Immunologic Research. 2023 17:1-1.
37. **Jafarinia M**, Farrokhi MR, Ganjalikhani Hakemi M et al. The role of miRNAs from mesenchymal stem/stromal cells-derived extracellular vesicles in neurological disorders. Human Cell. 2023.
38. GBD 2019 Immune-Mediated inflammatory Diseases Collaborators. Global, regional, and national incidence of six major immune-mediated inflammatory diseases: findings from the global burden of disease study 2019. eClinicalMedicine. 2023 Oct 1;64.
39. Ghaderi H, Kruger E, **Jafarinia M**, Roshan Zamir M. Oral Squamous Cell Carcinoma: Focus on Biomarkers for Screening. Journal of Dentistry. 2023 Jul 9.
40. Rostami A, Abbasi Y, Asadollahzade E, Asadian A, Enani H, Jamalnia S, **Jafarinia M***. Mesenchymal Stem Cells as a New Approach for the Treatment of Multiple Sclerosis: A Literature Review. Galen Medical Journal. 2022 Dec 17.
41. Mohammadib S, Rostami A, Naghdizadeh F, ShojaeiBaghini M, Karami N, Negargar S, Emadi M, **Jafarinia M***. Neurological Symptoms in Coronavirus Disease 2019 Patients: An Updated Literature Review. Galen Medical Journal. 2022 Nov 11.
42. Shahabi Raberi V, Abdollahi Moghadam S, Sharafi E, Poudineh M, Barghgir B, Molaee M, **Jafarinia M**, Kargar Jahromi H. Mesenchymal Stromal/Stem cells in Tumor Microenvironment and Their Role in Tumor Progression. Galen Medical Journal. 2022 Dec 27.
43. Badali A, GhorbaniNia R, Mohammadian S, poudineh S, Sarlak A, Eghbali M, Behzadi E, **Jafarinia M***. Multiple Sclerosis Impact on Pregnancy: An Update on Management Issues. Galen Medical Journal. 2022 Dec 31.
44. Dezfuly AR, Safaee A, Amirpour N, Kazemi M, Ramezani A, **Jafarinia M**, Dehghani A, Salehi H. Therapeutic effects of human adipose mesenchymal stem cells and their paracrine agents on sodium iodate induced retinal degeneration in rats. Life Sciences. 2022 Apr 23:120570.
45. Khalifehzadeh-Esfahani Z, Fattahi S, Heidari Haratemeh Z, **Jafarinia M***. The Role of Immune Regulatory Molecules in COVID-19. Viral Immunology. 2022 Apr 19.

46. Farzadfar F, Naghavi M, Sepanlou SG, Moghaddam SS, Dangel WJ, Weaver ND, Aminorroaya A, Azadnajafabad S, et al. Health system performance in Iran: a systematic analysis for the Global Burden of Disease Study 2019. The Lancet. 2022 Apr 6.
47. Fattahi S, Khalifehzadeh-Esfahani Z, Mohammad-Rezaei M, Mafi S, **Jafarinia M***. PI3K/Akt/mTOR pathway: a potential target for anti-SARS-CoV-2 therapy. Immunologic Research. 2022 Feb 2:1-7.
48. Siavashifar M, Rezaei F, Motallebirad T, Azadi D, Absalan A, Naserramezani Z, Golshani M, **Jafarinia M**, Ghaffari K. Species diversity and molecular analysis of opportunistic mycobacterium, Nocardia and Rhodococcus isolated from the hospital environment in a developing country, a potential resource for nosocomial infection. Genes and Environment. 2021; 43:2.
49. **Jafarinia M**, Alsahebfosoul F, Salehi H, et al. Therapeutic effects of extracellular vesicles from human adipose-derived mesenchymal stem cells on chronic experimental autoimmune encephalomyelitis. Journal of Cellular Physiology. 2020; 235:8779–8790.
50. **Jafarinia M**, Alsahebfosoul F, Salehi H, Eskandari N, Ganjalikhani-Hakemi M. Mesenchymal Stem Cell-Derived Extracellular Vesicles: A Novel Cell-Free Therapy. Immunological Investigations. 2020;49(7):758-780.
51. **Jafarinia M**, Ashja-Arvan M, Hosseininasab F, Vakili S, Sadeghi E, Etemadifar M, Alsahebfosoul F. Evaluation of plasma soluble CD137 level in relapsing-remitting multiple sclerosis patients in comparison with healthy controls in Isfahan Province, Iran. Neurology Asia. 2020 September; 25(3):361-365.
52. **Jafarinia M**, Sadeghi E, Alsahebfosoul F, Etemadifar M, Jahanbani-Ardakani H. Evaluation of plasma Osteopontin level in relapsing-remitting multiple sclerosis patients compared to healthy subjects in Isfahan Province. International Journal of Neuroscience. 2020 May; 130(5):493-498.
53. **Jafarinia M**, Sadat Hossein M, Kasiri N., et al. Quercetin with the potential effect on allergic diseases. Allergy Asthma Clin Immunol. 2020; 16, 36.
54. **Jafarinia M**, Amoon M, Javid A, Vakili S, Sadeghi E, Azadi D, Alsahebfosoul F. Male microchimerism in peripheral blood from women with multiple sclerosis in Isfahan Province. International Journal of Immunogenetics. 2020 Apr;47(2):175-9.
55. Ganjalikhani Hakemi M, **Jafarinia M**, Azizi M, Rezaeepoor M, Isayev O, Bazhin A. The role of TIM-3 in Hepatocellular Carcinoma: A promising target for immunotherapy? Frontiers in Oncology. 2020.
56. Azimzadeh M, Mahmoodi M, Kazemi M, Ganjalikhani Hakemi M, **Jafarinia M**, Eslami A, Salehi H, Amirpour N. The immunoregulatory and neuroprotective effects of human adipose-derived stem cells overexpressing IL-11 and IL-13 in the experimental autoimmune encephalomyelitis mice, International Immunopharmacology. International Immunopharmacology. 2020; 87.

57. Vakili S, Savardashtaki A, Jamalnia S, Tabrizi R, Nematollahi MH, **Jafarinia M**, Akbari H, Laboratory Findings of COVID-19 Infection are Conflicting in Different Age Groups and Pregnant Women: A Literature Review, Archives of Medical Research. 2020.
58. Nasri P, Adibmajlesi Z, Rahimi H, Saneian H, Famouri F, Khademian M, **Jafarinia M**, Alsahebfosoul F. Gastrointestinal Manifestations in Children with Kawasaki Disease in Isfahan, Iran. Archive of Pediatric Diseases. 2020 May; 8(2):e103072.
59. GBD 2019 Risk Factors Collaborators. Global burden of 87 risk factors in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. The Lancet. 2020;369(10258):1223-1249.
60. GBD 2019 Disease and Injuries Collaborators. Global burden of 369 diseases and injuries in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. The Lancet. 2020;369(10258):1204-1222.
61. GBD 2019 Universal Health Coverage Collaborators. Measuring universal health coverage based on an index of effective coverage of health services in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. The Lancet. 2020;369(10258):1250-1284.
62. LBD Double Burden of Malnutrition Collaborators. Mapping local patterns of childhood overweight and wasting in low- and middle-income countries between 2000 and 2017. Nature Medicine. 2020(26):750-759.
63. Local Burden of Disease Vaccine Coverage Collaborator. Mapping routine measles vaccination in low- and middle-income countries. Nature. 2020.
64. Global Burden of Disease Cancer Collaboration. The global, regional, and national burden of colorectal cancer and its attributable risk factors in 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. The Lancet Gastroenterology & Hepatology. 2019;4(12):913-933.
65. Global Burden of Disease Cancer Collaboration. Global, Regional, and National Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability and Disability-Adjusted Life-Years for 29 Cancer Groups, 1990 to 2017: A Systematic Analysis for the Global Burden of Disease Study. JAMA Oncology. 2019;5(12):1749-1768.
66. Jafarinia M**, Jafarinia M.** A Review of Medicinal Properties of some Asteraceae Family Plants on Immune System. Report of Health Care. 2019; 5(2): 1-7.
67. Shokri D, Motalebirad T, **Jafarinia M**, Azadi D, Ghaffari K. First case report of pulmonary and cutaneous nocardiosis caused by Nocardia Mexicana in Iran. Access Microbiology. 2019 Apr23.
68. Alsahebfosoul F, Rahimpourkoldeh S, Eskandari N, Shaygannejad V, Ganjalikhani-Hakemi M, Dabiri A, **Jafarnia M**, Mirmossayeb O. Gene Expression of CD226 and Its Serum Levels in Patients with Multiple Sclerosis. Caspian Journal of Neurological Sciences. 2018 Aug 15;4(14):91-7.
69. **Jafarinia M**, Firuzsalari FG, Zaringol M, et al. Serum levels of interleukin (IL)-33 in patients

with ischemic heart disease. MOJ Immunol. 2018;6(2):29–32.

70. **Jafarinia M**, Lotfi N, Ganjalikhani-Hakemi M, Rezaei A. Regulatory T Cells in Colorectal Cancer.Immunoregulation, 2018; 1(1): 5-10.
71. **Jafarinia M**, Mehdipour F, Hosseini SV, Ghahramani L, Hosseinzadeh M, Ghaderi A. Determination of a CD4+ CD25− FoxP3+ T cells subset in tumor-draining lymph nodes of colorectal cancer secreting IL-2 and IFN-γ. Tumor Biology. 2016 Nov 1;37(11):14659-66.

Presentations/Abstracts

1. Male microchimerism in peripheral blood from women with multiple sclerosis. 16th International Congress of Immunology & Allergy, (Poster) April 2023, Tehran, Iran.
2. The role of miRNAs from mesenchymal stem/stromal cells-derived extracellular vesicles in neurological disorders. 16th International Congress of Immunology & Allergy, (Poster) April 2023, Tehran, Iran.
3. Multiple sclerosis impact on pregnancy: An update on management issues. 16th International Congress of Immunology & Allergy, (Poster) April 2023, Tehran, Iran.
4. Mesenchymal Stem Cells as a New Approach for the Treatment of Multiple Sclerosis: A Literature Review. 16th International Congress of Immunology & Allergy, (Poster) April 2023, Tehran, Iran.
5. Assessment of plasma soluble CD137 level in relapsing-remitting multiple sclerosis patients. 15th International Congress of Immunology & Allergy, (Oral) January 2021, Ahvaz, Iran.
6. Mesenchymal Stem Cells-Derived Exosomes: A cell-free therapy in different inflammatory diseases. 15th International Congress of Immunology & Allergy, (Oral) January 2021, Ahvaz, Iran.
7. Medical Properties of some Asteraceae Family Plants on Immune System: A review article. 15th International Congress of Immunology & Allergy, (Oral) January 2021, Ahvaz, Iran.
8. Assessment of plasma Osteopontin levels in relapsing-remitting multiple sclerosis patients. 15th International Congress of Immunology & Allergy, (Oral) January 2021, Ahvaz, Iran.
9. Serum levels of interleukin (IL)-33 in patients with ischemic heart disease. 14th International Congress of Immunology & Allergy, (Poster) April 2018, Tehran, Iran.
10. Detection of CD4+CD25-FoxP3+ T cells producing Interleukin -2, IL-10, and Interferon -γ in tumor-draining lymph nodes of colorectal cancer patients. 13th International Congress of Immunology & Allergy, (Oral) April 2016, Tabriz, Iran.

Supervising and Advising experience

Supervising

1. Investigating the effect of extracellular vesicles derived from human adipose tissue mesenchymal stem cells, modified with miR-146a, in a mouse model of multiple sclerosis. Thesis for PhD

degree of Molecular Genetics. Islamic Azad University, Marvdasht Branch, Marvdasht, Iran.

2. Evaluation of the anti-inflammatory activity of extracellular vesicles derived from the ginger plant (Zingiber officinale) in the mouse model of multiple sclerosis. Thesis for PhD degree of Cellular and Molecular Biology. Islamic Azad University, Marvdasht Branch, Marvdasht, Iran.
3. Evaluation of Anticancer Activity of Iranian lemon (Citrus latifolia)-Derived Extracellular Vesicles on Acute T-Lymphoblastic Leukemia Cells (Jurkat).
4. Comparative evaluation of the serum level of cytokines interleukin 10, interferon gamma and chemokine CCL2 in patients with multiple sclerosis. Thesis for master degree of Biochemistry. Islamic Azad University, Shiraz Branch, Shiraz, Iran.
5. Investigating the serum levels of cytokines TNF-α, IL-1β and chemokine CCL3 in glioblastoma patients. Thesis for master degree of Biochemistry. Islamic Azad University, Shiraz Branch, Shiraz, Iran.
6. Investigating the changes of chemokine biomarkers IL-8, CCL2 and CXCL12 in the serum of spinal cord ependymoma tumor patients. Thesis for master degree of Biochemistry. Islamic Azad University, Shiraz Branch, Shiraz, Iran.
7. Evaluation of cytokines interleukin 12, interleukin 23 and chemokine CXCL10 in the serum of cerebral glioblastoma patients. Thesis for master degree of Biochemistry. Islamic Azad University, Shiraz Branch, Shiraz, Iran.
8. Evaluation of the serum level of cytokines interleukin 10, interleukin 12 and chemokine CXCL10 in the systemic lupus erythematosus patients. Thesis for master degree of Biochemistry. Islamic Azad University, Shiraz Branch, Shiraz, Iran.
9. Evaluation of neuroprotective cytokines and chemokines IL-10, TNF-α and CXCL12 in neuromyelitis optica patients compared to healthy groups. Thesis for master degree of Biochemistry. Islamic Azad University, Shiraz Branch, Shiraz, Iran.
10. Investigating the effect of phycocyanin on Caspase3 and Mir200 signaling pathways in Hela cell line cervical cancer cells. Thesis for master degree of Cellular and Molecular Biology. Islamic Azad University, Electronic Branch, Tehran, Iran.
11. Evaluation of the role of chemokine IL-8 and interferon gamma in patients with diabetic retinopathy. Thesis for master degree of Biochemistry. Islamic Azad University, Shiraz Branch, Shiraz, Iran.
12. Investigating the role of monocyte chemisorbing protein and nitric oxide enzyme in renal failure patients. Thesis for master degree of Biochemistry. Islamic Azad University, Shiraz Branch, Shiraz, Iran.
13. Examination of vitamin C serum level with TNFα inflammatory cytokines in septic shock patients. Thesis for master degree of Biochemistry. Islamic Azad University, Shiraz Branch, Shiraz, Iran.
14. Investigating the relationship between type II interferon and malondialdehyde enzyme in

nephropathy patients. Thesis for master degree of Biochemistry. Islamic Azad University, Shiraz Branch, Shiraz, Iran.

TECHNICAL SKILLS

1. Routine laboratory skills (Hematology, Serology, Biochemistry, Microbiology, Parasitology&, etc.).
2. ELISA.
3. HLA typing by PCR.
4. Flow cytometry.
5. PCR & Real-Time PCR.
6. Electrophoresis (Cellulose Acetate, Agarose, IEF, PAGE& SDS- PAGE).
7. Cell separation, culture, and differentiation.
8. Stem cell isolation and characterization.
9. Extracellular vesicle (Exosome) isolation and characterization.
10. Induction of EAE in mice.
11. Immunohistochemistry.

EDUCATION/TEACHING

- Tuition of Immunology for B.Sc students of health. Isfahan University of Medical Sciences. 2017.
- Tuition of Immunology for B.Sc students of midwifery. Isfahan University of Medical Sciences. 2019.
- Tuition of Immunology for B.Sc students of nutrition. Isfahan University of Medical Sciences. 2019.
- Tuition of Immunology for B.Sc students of anesthetics. Isfahan University of Medical Sciences. 2019.
- Tuition of Immunology and Hematology for B.Sc students of anesthetics. Isfahan University of Medical Sciences. 2019.
- Tuition of Immunology and Hematology for B.Sc students of surgical technology. Isfahan University of Medical Sciences. 2019.
- Tuition of Immunology for medical students. Islamic Azad University, Najaf Abad Branch. 2019.
- Tuition of Immunology for medical students. Islamic Azad University, Najaf Abad Branch. 2020.
- Tuition of clinical Immunology for medical students. Islamic Azad University, Najaf Abad Branch. 2020.

References

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