

Curriculum Vitae of  
**Mohammad Mahdi Eftekharian**, PhD, MSc, BSc



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## POSITION

- 2016-present            **Associate professor of Immunology**, Dept. of Immunology, Hamadan University of Medical Sciences, Hamadan, Iran
- 2010 - 2016            **Assistant professor of Immunology**, Dept. of Medical Lab. Sciences, Hamadan University of Medical Sciences, Hamadan, Iran
- 2000-2010            **Instructor of Immunology**, Hamadan University of Medical Sciences, Hamadan, Iran

## EDUCATION

- 2005 - 2010            **Doctor of Philosophy**, Dept. of Immunology, Tarbiat Modares University, Tehran, Iran  
Title of thesis: "**The study of in vivo effects of active form of vitamin D3 on dendritic cells and investigation of their tolerogenic effects using EAE model**"
- 1997 – 2000            **Masters of Science**, Dept. of Immunology, Tarbiat Modares University, Tehran, Iran  
Title of thesis: "**Production of monoclonal antibody against Alkaline-phosphatase**"
- 1994 - 1996            **Bachelor of Science** in Medical Lab. Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran
- 1992 - 1994            **Associate Degree in Medical Lab Sciences**, Hamadan University of Medical Sciences, Hamadan, Iran

## AWARDS

- 2000 *First Position among the Graduates of M.Sc Degree in Immunology, Faculty of Medical Sciences, Tarbiat Modares University, Tehran, Iran*
- 2000 *Certificate of Teaching Competency after M.Sc Degree Graduation, Tarbiat Modares University, Tehran, Iran*
- 2000- Now *Educational Executive Positions*
- 2014 ***Selected faculty member in Hamadan University of Medical Sciences***
- 2014-Now Member of editorial board in scientific journal of ***Hamadan University of Medical Sciences***
- 2014 ***Selected researcher in Hamadan University of Medical Sciences***

## Techniques:

- 1- Cell culture (Long time cell culture, Limiting Dilution, ...)
- 2- ELISA
- 3- Immunohistochemistry
- 4- MLR
- 5- LTT
- 6- Flow cytometry
- 7- Real time PCR
- 8- EAE induction
- 10- Cell separation (Using Nycodenz, Ficoll)
- 11- Cell purification (Using Magnetic beads)
- 12- Serological techniques

## PEER REVIEWED ARTICLES

1. **Eftekharian M.M.**, Moazzeni S.M., Pourfathollah A.A. and A.R.Khabiri A.R. (2005) *Production of Monoclonal Antibody against Alkaline Phosphatase. Human Antibodies 14(1-2):17-21*
2. **Eftekharian M.M.**, Basiri Z and Mani kashani Kh. (2010) *A Study of the Association between Smoking and Rheumatoid Arthritis. The Journal of Smoking Cessation 5(1): 1-6*
3. Asadi A., Pourfathollah A.A., Mahdavi M., **Eftekharian M.M.** and Moazzeni S.M. (2008) *Preparation of Monoclonal Antibody against Horseradish Peroxidase by Hybridoma Technology. Human antibodies. 17(3-4): 73-8*

4. **Eftekharian M.M.**, Zarnani A.H. and Moazzeni S.M. (2010) *In vivo effects of calcitriol on phenotypical and functional properties of dendritic cells. Iranian Journal of Immunology. Jun;7(2): 74-82*
5. **Eftekharian M.M.**, Zarnani A.H. and Moazzeni S.M. (2010) *Induction of specific T cell response following in vivo treatment of dendritic cell by 1,25 dihydroxycholecalciferol. Yakhteh (Cell) 12(2): 215-222*
6. **Eftekharian M.M.**, Basiri Z and Mani kashani Kh. (2011) *Obesity and Rheumatoid Arthritis: Results from a case- control study. The new Iraqi Journal of Medicine 7(3): 5-9*
7. A.Bakhtiarian, F.Ghasemi, Sakha, Keyvan Keramati,S.M. Moazzeni, **M.M.Eftekharian**, V.Nikou. (2011) Effects of administration of safranl on prevention of experimental autoimmune encephalomyelitis (EAE). *Toxicology Letters (Supplement) 211*
8. **Eftekharian M.M.**, Basiri Z and Mani kashani Kh. (2011) *Do Diabetes and Family history influence the Rheumatoid Arthritis? Results from a case- control study. Bangladesh Journal of Medical Science 10(4): 230-234*
9. **Eftekharian M.M.**, Zamani A and Shisheian B. (2013) Platelet Count and Eosinophilia in Peripheral Blood and Rheumatoid Arthritis. *Journal of Environmental and Occupational Science 2(1): 21-26*
10. **Eftekharian M.M.** (2013) Risk factors for rheumatoid arthritis: Level of education, tonsillectomy and appendectomy. *Marmara Medical Journal 26: 30-33*
11. Vazirinejad R., Ayooobi F., Kazemi Arababadi M., **Eftekharian M.M.**, Darekordi A., Goudarzvand M., Hassanshahi G., Taghavi M.M., Nasiri Ahmadabadi B., Kennedy D. and Shamsizadeh A. (2014) *Effect of aqueous extract of Achillea millefolium on the development of experimental autoimmune encephalomyelitis in C57BL/6 mice. Indian Journal of Pharmacology 46(3)*
12. **Eftekharian M.M.**, Mousavi M., Bahmani Hormoz M., Roshanaee G. and Mazdeh M. (2014) Multiple sclerosis and immunological-related risk factors: Results from a case-control study. *Human Antibodies 23 (31-36)*
13. Taheri M., Valipour E., Sayad A., Omrani M.D., Movafagh A., **Eftekharian M.M.**, Taheri M., Mazdeh M. (2015) Resiliency of patients with Multiple Sclerosis on the basis of Social Support and Welfare. *Global Advanced Research Journal of Medicine and Medical Science (GARJMMS) 4(5): 231-234*
14. Taheri M, Valipour E, Rasuli S, Sayad A, Movafagh A, **Eftekharian MM**, Mazdeh M. (2015) Evaluation of migraine in patients with ischaemic stroke. *Acta Clin Belg 70(6): 403-407*
15. **Eftekharian M.M.**, Sabouri Ghannad M., Taheri M., Roshanaei Gh., Mazdeh M Mousavi M., Bahmani Hormoz M. (2016) Frequency of Viral Infections and Environmental Factors in Multiple Sclerosis. *Human Antibodies 24: 17-23*

16. Mostafa Omid, Mohammad Abbasi, **Mohammad Mahdi Eftekharian**, Behrooz Shishean , Alireza Zamani. (2016) Hematological indices in elite wrestlers. *Avicenna J Med Biochem* 4(1): 1-4
17. Shirin Nemati, Mohammad Taheri, Abolfazl Movafagh, Mohammad Saberi, Reza Mirfakhraie, **Mohammad Mahdi Eftekharian**, Amir Reza gholizadehand, Arezou Sayad. (2016) TRAIL gene expression analysis in multiple sclerosis patients. *Human Antibodies* 24: 33–38
18. **Mohammad Mahdi Eftekharian**, Jamshid Karimi, Mojgansadat Safe, Ahmad Sadeghian, Shiva Borzooei, Ehsan Siahpoushi. (2016) Investigation of the correlation between some immune system and biochemical indicators in patients with type 2 diabetes. *Human Antibodies* 24: 25–31
19. Alireza Pouyandeh Ravan, Gholamreza Shafiei, **Mohammad Mahdi Eftekharian**, Ali Azizi, Ghodratollah Roshanaei, Farjam Goudarziand, Mohammad Reza Safari. (2016) Inhibition of Albumin Glycation at Different Stages by Four Anti-diabetic Plant Extracts Correlates with Polyphenols and Antioxidant Capacity in vitro. *British Journal of Pharmaceutical Research* 12(2): 1-8
20. Samira Heidari, Mohammad Taheri, Alireza Pouyandeh Ravan, Abbas Moghimbeigi, Maryam Mojiri, Yousef Naderi-Khojastehfar, Sahel Paydari-Banyarani, Zahra Hassanpour, **Mohammad Mahdi Eftekharian**. (2016) Assessment of some immunological and hematological factors among radiation workers. *Journal of biology and today's world* 5(7): 113-119
21. **Mohammad Mahdi Eftekharian**, RezvanNoroozi, ArezouSayad, Shaghayegh Sarrafzadeh, Mehdi Toghi, Tahereh Azimi, Alireza Komaki, Mehrdokht Mazdeh, Hidetoshi Inoko, Mohammad Taheri, Reza Mirfakhraie. (2016) RAR-related orphan receptor A (RORA): A new susceptibility gene for multiple sclerosis. *Journal of the Neurological Sciences* 369: 259-262
22. Mohammad Reza Safari, Soudeh Ghafouri-Fard, RezvanNoroozi, ArezouSayad, Mir Davood Omrani, Alireza Komaki, **Mohammad Mahdi Eftekharian**, Mohammad Taheri. (2017) FOXP3 gene variations and susceptibility to autism: A case–control study. *Gene* 596: 119-122
23. Mohammad Taheri, Ghodratollah Roshanaei, Jamileh Ghaffari, Samira Rahimnejad, Behzad Nazel Khosroshahi, Mohsen Aliabadi, **Mohammad Mahdi Eftekharian**, (2017) The effect of Base Transceiver Station waves on some immunological and hematological factors in exposed persons. *Human Antibodies* 25(1-2): 31-37
24. **Eftekharian MM**, Sayad A, Omrani MD, Ghannad MS, Noroozi R, Mazdeh M, Mirfakhraie R, Movafagh A, Roshanaei G, Azimi T, Inoko H, Taheri M. (2016) Single nucleotide polymorphisms in the FOXP3 gene are associated with increased risk of relapsing-remitting multiple sclerosis. *Human Antibodies* 24: 85-90
25. **Eftekharian MM**, Azimi T, Ghafouri-Fard S, Sayad A, Omrani MD, Sarrafzadeh S, Abbasalipourkabir R, Mazdeh M, Taheri M. (2017) Phospholipase D1 expression analysis in relapsing-remitting multiple sclerosis patients. *Neurological Sciences* 38: 865-872

26. Mehrdokht Mazdeh, Rezvan Noroozi, Jalal Gharesouran, Arezou Sayad, Alireza Komaki, **Mohammad Mahdi Eftekharian**, Mohsen Habibi, Mehdi Toghi, Mohammad Taheri. (2017) The Importance of VEGF-KDR Signaling Pathway Genes should Not Be Ignored When the Risk of Developing Multiple Sclerosis is Taken into Consideration. *J Mol Neurosci* 62: 73-78
27. Salim MA, **Eftekharian MM**, Taheri M, Yousef Alikhani M. (2017) Determining the IgM and IgG Antibody titer against CMV and helicobacter pylori in the serum of multiple sclerosis patients comparing to the control group in Hamadan. *Hum Antibodies* 26: 23-28
28. **Mohammad Mahdi Eftekharian** , Soudeh Ghafouri-Fard , Mohammad Soudyab , Mir Davood Omrani, Mahnoosh Rahimi,Arezou Sayad , Alireza Komaki, Mehrdokht Mazdeh , Mohammad Taheri. (2017) Expression Analysis of Long Non-coding RNAs in the Blood of Multiple Sclerosis Patients. *J Mol Neurosci* 63: 333–341
29. Mohagheghi M, **Eftekharian MM**, Taheri M, Alikhani MY. (2017) Determining the IgM and IgG antibodies titer against HSV1, HSV2 and CMV in the serum of schizophrenia patients. *Hum Antibodies* 26: 87-93
30. Mazdeh M, Rahimi M, **Eftekharian MM**, Omrani MD, Sayad A, Taheri M, Ghafouri-Fard S. (2017) Ecotropic Viral Integration Site 5 (EVI5) expression analysis in multiple sclerosis patients. *Human Antibodies* 26(3):113-119
31. Mazdeh M, Ghafouri-Fard, Hatami M, **Eftekharian MM**, Ganji M, Sayad A, Arsang-Jang, Taheri M, Omrani MD. (2018) Expression Analysis of Vitamin D Signaling Pathway Genes in Epileptic Patients. *J Mol Neurosci* Apr; 64(4): 551-558
32. **Mohammad Mahdi Eftekharian**, Soudeh Ghafouri-Fard, Rezvan Noroozi , Mir Davood Omrani, Shahram Arsang-jang, Maziar Ganji, Vajiheh Gharzi, Hanieh Noroozi, Alireza Komaki, Mehrdokht Mazdeh , Mohammad Taheri. (2018) Cytokine profile in autistic patients. *Cytokine* 108: 120-126
33. Shahla Valayi, **Mohammad Mahdi Eftekharian**, Mohammad Taheri, Mohammad Yousef Alikhani (2018) Evaluation of antibodies to cytomegalovirus and Epstein-Barr virus in patients with autism spectrum disorder. *Human Antibodies* 26: 165–169
34. Akram Ranjbar, Rasool Haddadi, Seyedeh Masoumeh Hosseini, **Mohammad Mahdi Eftekharian**, Dara Dastan (2018) The Effect of Satureja avromanica Maroofi Extract on Oxidative Stress Induced by Malathion in Rats. *Journal of Reports in Pharmaceutical Sciences* 7(1): 108-115
35. **Mohammad Mahdi Eftekharian**, Rezvan Noroozi , Mir Davood Omrani, Shahram Arsang-Jang, Alireza Komaki, Mohammad Taheri, Soudeh Ghafouri-Fard (2018) Expression Analysis of Protein Inhibitor of Activated STAT (PIAS) Genes in Autistic Patients. *Advances in Neuroimmune Biology* 7(2): 129-134
36. **Mohammad Mahdi Eftekharian**, Rezvan Noroozi, Mir Davood Omrani, Zohreh Sharifi, Alireza Komaki, Mohammad Taheri, Soudeh Ghafouri-Fard (2018) Single-Nucleotide Polymorphisms in

Interleukin 6 (IL-6) Gene Are Associated with Suicide Behavior in an Iranian Population. *Journal of Molecular Neuroscience* 66(3): 414-419

37. Mahdavinejad L, Alahgholi-Hajibehzad M, **Eftekharian MM**, Zaerieghane Z, Salehi I, Hajilooi M, Mahaki H, Zamani A (2018) Extremely Low Frequency Electromagnetic Fields Decrease Serum Levels of Interleukin-17, Transforming Growth Factor- $\beta$  and Downregulate Foxp3 Expression in the Spleen. *J Interferon Cytokine Res* 38(10): 457-462
38. **Mohammad Mahdi Eftekharian**, Mir Davood Omrani, Shahram Arsang-Jang, Mohammad Taheri, Soudeh Ghafouri-Fard (2019) Serum cytokine profile in schizophrenic patients. *Human Antibodies* 27: 23–29
39. Sobhanifard M, **Eftekharian MM**, Solgi G, Nikzad S, Salehi I, Ghazikhanlou Sani K, Ganji M, Zamani A (2018) Effect of Extremely Low Frequency Electromagnetic Fields on Expression of T-bet and GATA-3 Genes and Serum Interferon- $\gamma$  and Interleukin-4. *J Interferon Cytokine Res* 39(2): 125–131
40. Mehrdokht Mazdeh, **Mohammad M. Eftekharian**, Alireza Komaki, Shahram Arsang-Jang, Soudeh Ghafouri-Fard, Mohammad Taheri (2019) Long non-coding RNA AFAP1-AS1 is upregulated in a subset of multiple sclerosis patients. *Clinical and Experimental Neuroimmunology* 10(2): 105–109
41. **Mohammad Mahdi Eftekharian**, Rezvan Noroozi, Alireza Komaki, Mehrdokht Mazdeh, Mohammad Taheri, Soudeh Ghafouri-Fard (2019) GAS5 genomic variants and risk of multiple sclerosis *Neuroscience letters* 701: 54–57
42. **Eftekharian MM**, Noroozi R, Komaki A, Mazdeh M, Ghafouri-Fard S, Taheri M (2019) MALAT1 Genomic Variants and Risk of Multiple Sclerosis. *Immunol Invest* 48(5): 549–554
43. **Mohammad Mahdi Eftekharian**, Alireza Komaki, Mehrdokht Mazdeh, Shahram Arsang-Jang, Mohammad Taheri, Soudeh Ghafouri-Fard (2019) Expression Profile of Selected MicroRNAs in the Peripheral Blood of Multiple Sclerosis Patients: a Multivariate Statistical Analysis with ROC Curve to Find New Biomarkers for Fingolimod. *Journal of Molecular Neuroscience* 68(1): 153-161
44. Mehrdokht Mazdeh, Mehrdad Zamani, **Mohammad Mahdi Eftekharian**, Alireza Komaki, Shahram Arsang-Jang, Mohammad Taheri, Soudeh Ghafouri-Fard (2019) Expression analysis of vitamin D receptor-associated lncRNAs in epileptic patients. *Metabolic Brain Disease* 34(5): 1457–1465
45. **Mohammad Mahdi Eftekharian**, Alireza Komaki, Mir Davood Omrani, Shahram Arsang-Jang, Maziar Ganji, Mohammad Taheri, Soudeh Ghaforui-Fard (2019) Expression analysis of cytokine coding genes in blood samples of clozapine-treated patients with schizophrenia. *Clinical and Experimental Neuroimmunology* 10(4): 283–290

46. **Mohammad Mahdi Eftekharian**, Alireza Komaki, Vahid Kholghi Oskooie, Amir Namvar, Mohammad Taheri, Soudeh Ghafouri-Fard (2019) Assessment of Apoptosis Pathway in Peripheral Blood of Autistic Patients. *Journal of Molecular Neuroscience* 69(4): 588–596
47. **Mohammad Mahdi Eftekharian** , Mohammad Taheri , Shahram Arsang-Jang , Alireza Komaki, Soudeh Ghafouri-Fard (2019) Nicotinamide nucleotide transhydrogenase expression analysis in multiple sclerosis patients. *International Journal of neuroscience* 129(12): 1256–1260
48. Amir Keshavarzi, **Mohammad Mahdi Eftekharian**, Alireza Komaki, Mir Davood Omrani, Vahid Kholghi Oskooie, Mohammad Taheri, Soudeh Ghafouri-Fard (2019) Sexual dimorphism in up-regulation of suppressors of cytokine signaling genes in patients with bipolar disorder. *BMC Psychiatry* 19(1), 402
49. Ali ZPM, Taheri M, Sangsefidi S, Arsang-Jang S, Mazdeh M, Zamani A, Ghafouri-Fard S, **Eftekharian MM** (2020) Evaluation of Expression of STAT Genes in Immune-Mediated Polyneuropathies. *J Mol Neurosci* 70(6): 945–952
50. Mazdeh M, Kordestani H, Komaki A, **Eftekharian MM**, Arsang-Jang S, Branicki W, Taheri M, Ghafouri-Fard S (2020) Assessment of expression profile of microRNAs in multiple sclerosis patients treated with fingolimod. *J Mol Neurosci* 70(8): 1274–1281
51. Zahra Pour Mohammad Ali, Soudeh Ghafouri-Fard, Alireza Komaki, Mehrdokht Mazdeh, Mohammad Taheri, **Mohammad Mahdi Eftekharian** (2020) Assessment of IL-38 Levels in Patients with Acquired Immune-Mediated Polyneuropathies. *Journal of Molecular Neuroscience* 70(9): 1385–1388
52. Mazdeh M, **Eftekharian MM**, Komaki A, Taheri M, Ghafouri-Fard S (2020) Expression analysis of NNT and NNT-AS1 in epileptic patients. *Meta gene* 23, 100645
53. **Eftekharian, M.M**, Omrani, M.D, Komaki, A, Taheri, M, Ghafouri-Fard S (2020) Expression Analysis of Suppressor of Cytokine Signaling (SOCS) Genes in Blood of Autistic Patients. *Advances in Neuroimmune Biology* 7(3-4): 149–154
54. Somayeh Sangsefidi, Soudeh Ghafouri-Fard, Alireza Komaki, Mehrdokht Mazdeh, Mohammad Taheri, **Mohammad Mahdi Eftekharian** (2020) High Levels of IL-19 in Patients with Chronic Inflammatory Demyelinating Polyneuropathy. *Journal of Molecular Neuroscience* 70(12): 1997–2000
55. Sina Rezaei, Soudeh Ghafouri-Fard, Alireza Komaki, Mehrdokht Mazdeh, Mohammad Taheri, **Mohammad Mahdi Eftekharian** (2020) Increased Levels of IL-34 in Acquired Immune-Mediated Neuropathies. *Journal of Molecular Neuroscience* 71(1): 137–141

56. Sina Rezaee, Mehrdokht Mazdeh, Mahdi Behzad, Alireza Zamani, **Mohammad Mahdi Eftekharian** (2020) Interleukin-34 Gene Expression in the Peripheral Blood Leukocytes of Guillain-Barre Patients. *Avicenna journal of Clinical Medicine* 27 (96): 77-84 **(in Persian)**
57. Mahsa Rezaeepoor, Mirhamed Hoseini-Aghdam, Vida Sheikh, **Mohammad Mahdi Eftekharian**, Mahdi Behzad (2020) Evaluation of Interleukin-23 and JAKs/STATs/SOCSs/ROR- $\gamma$  t Expression in Type 2 Diabetes Mellitus Patients Treated With or Without Sitagliptin. *Journal of Interferon & Cytokine Research* 40(11): 515–523
58. Hoseini-Aghdam, M, Sheikh, V, **Eftekharian, M.M**, Rezaeepoor, M, Behzad, M (2020) Enhanced expression of TIGIT but not neuropilin-1 in patients with type 2 diabetes mellitus. *Immunology Letters* 225: 1–8
59. Ramezani, M, Komaki, A, **Eftekharian, M.M**, Mazdeh, M, Ghafouri-Fard, S (2021) Over-expression of IL-6 coding gene in the peripheral blood of migraine with aura patients. *Human Antibodies* 29(3): 203–207
60. Taheri, M, Sangseifid, S, Shahani, P, **Eftekharian, M.M**, Arsang-Jang, S, Ghafouri-Fard, S (2021) Assessment of Expression of SOCS Genes in Acquired Immune-Mediated Polyneuropathies. *Frontiers in Immunology* 12, 712859
61. Shirin Torkestani, Hamid Moghimi, Reza Farsiabi, Salman Khazaei, **Mohammad Mahdi Eftekharian**, Esmail Dalvand (2021) Evaluation of serum levels of IL-6, IL-10, and TNF- $\alpha$  in alopecia areata patients: A systematic review and meta-analysis. *Biomedical Research and Therapy* 8(10):4668-4678
62. Shadi Moradi, Alireza Zamani, Mehrdokht Mazdeh, Mahdi Ramezani, Alireza Komaki, Elahe Talebi-Ghane, **Mohammad Mahdi Eftekharian** (2023) An inclusive study on cytokine gene expressions in Parkinson's disease: Advanced analysis using Bayesian regression model. *Human Immunology* 84(2): 123-129
63. Shirin Torkestani, Alireza Zamani, Mehrdokht Mazdeh, Elahe Talebi-Ghane, Godratollah Roshanaei, **Mohammad Mahdi Eftekharian** (2023) Evaluation of CD137 and CD137L Transcript Levels and the Serum sCD137 in Immune-mediated Polyneuropathy. *Iranian Journal of Immunology* 20(1): 104-113
64. Shirin Torkestani, Alireza Zamani, Mehrdokht Mazdeh, Elahe Talebi-Ghane, Godratollah Roshanaei, **Mohammad Mahdi Eftekharian** (2023) Assessment of 4-1BB-related markers expression in immune-mediated polyneuropathy subtypes: Advanced analysis using statistical model. *Journal of Immunoassay and Immunochemistry* (Submitted)
- 65.

## BOOKS:



- 2013 "Immunology Bases", Approved by Deputy of Research and Technology, Hamadan University of Medical Sciences
- 2016 "Serology for Medical Lab Technology Students", Approved by Deputy of Research and Technology, Shahid Beheshti University of Medical Sciences

## **MEETINGS & SEMINARS**

- 2000 *Oral presentation, 5<sup>th</sup> Iranian congress in immunology and allergy, Tehran, Iran*
- 2000 *3rd congress of Microbiology, Hamadan, Iran*
- 2003 *first international congress of pulmonary diseases and tuberculosis, Tehran, Iran*
- 2006 *Oral presentation, 8<sup>th</sup> congress of immunology and allergy, Tehran, Iran*
- 2008 *Oral presentation, 9<sup>th</sup> congress of immunology and allergy, Tehran, Iran*
- 2009 *International advanced course in clinical immunology, Tehran, Iran*
- 2010 *Poster presentation, 9<sup>th</sup> International conference on New Trends in Immunosuppression and Immunotherapy, Geneva, Switzerland*
- 2010 *Poster presentation, 10<sup>th</sup> congress of immunology and allergy, Tehran, Iran*
- 2011 *Poster presentation, 2<sup>nd</sup> international conference on immune tolerance, Amsterdam, the Netherlands*
- 2014 *12<sup>th</sup> congress of immunology and allergy, Tehran, Iran*
- 2017 *Poster presentation, 6th National congress on Medical Plants, Tehran, Iran*
- 2018 *Oral Presentation, 14<sup>th</sup> International Congress of Immunology and Allergy, Tehran, Iran*

## **SCIENTIFIC MEMBERSHIPS**

- 1997-Current Iranian Society for Immunology and Allergy
- 2011-Current Research Center for Molecular Medicine, Hamadan University of Medical Sciences
- 2012-Current Neurophysiology Research Center, Hamadan University of Medical Sciences