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Educations:

1995-1996	Postdoctoral Fellow Division of Rheumatology Department of Medicine University Hospital London, Ontario, Canada
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1982-1989	MD Medical School Mashhad University of Medical Sciences Mashhad, Iran

Publications:

Full Articles:

1. Hoseinzadeh, A., Z. Rezaieyazdi, J.T. Afshari, A. Mahmoudi, S. Heydari, R. Moradi, S.A. Esmaeili, and M. Mahmoudi, Modulation of Mesenchymal Stem Cells-Mediated Adaptive Immune Effectors' Repertoire in the Recovery of Systemic Lupus Erythematosus. *Stem Cell Rev Rep*, 2023. 19(2): p. 322-344.
2. Mahmoudi, M., M. Rastin, M. Kazemi Arababadi, A. Anaeigoudari, and R. Nosratabadi, Enhancing the efficacy of *Hypericum perforatum* in the treatment of an experimental model of multiple sclerosis using gold nanoparticles: an in vivo study. *Avicenna J Phytomed*, 2022. 12(3): p. 325-336.
3. Mahmoudi, M., A. Hoseinzadeh, Z. Rezaieyazdi, J.T. Afshari, A. Mahmoudi, and S. Heydari, Cross Talk between Mesenchymal Stem/Stromal Cells and Innate Immunocytes Concerning Lupus Disease. *Stem Cell Rev Rep*, 2022. 18(8): p. 2781-2796.
4. Jafari Rad, M., Z. Navi, A.R. Heidari, F. Lavi Arab, N. Tabasi, M. Rastin, M. Khadem Rezaiyan, E. Moghaddas, and M. Mahmoudi, Evaluation of the immunoregulatory effect of *Dicrocoelium dendriticum* eggs on inflammatory and anti-inflammatory cytokines in EAE model. *Parasite Immunol*, 2022. 44(10): p. e12942.
5. Jafari, M., H. Kolahdooz, M. Mahmoudi, A.F. Azarnaminy, L. Mobasheri, and S.A. Esmaeili, The impact of lymphoid memory cells in different ages of COVID-19 patients. *Gene Rep*, 2022. 26: p. 101503.
6. Farzad, F., N. Yaghoubi, F. Jabbari-Azad, M. Mahmoudi, and M. Mohammadi, Prognostic Value of Serum MICA Levels as a Marker of Severity in COVID-19 Patients. *Immunol Invest*, 2022. 51(6): p. 1856-1866.
7. Faridzadeh, A., A. Tabashiri, H.H. Miri, and M. Mahmoudi, The role of melatonin as an adjuvant in the treatment of COVID-19: A systematic review. *Heliyon*, 2022. 8(10): p. e10906.
8. Faridzadeh, A., M. Mahmoudi, S. Ghaffarpour, M.S. Zamani, A. Hoseinzadeh, M.M. Naghizadeh, and T. Ghazanfari, The role of ACE1 I/D and ACE2 polymorphism in the outcome of Iranian COVID-19 patients: A case-control study. *Front Genet*, 2022. 13: p. 955965.
9. Doulabi, H., E. Masoumi, M. Rastin, A. Foolady Azarnaminy, S.A. Esmaeili, and M. Mahmoudi, The role of Th22 cells, from tissue repair to cancer progression. *Cytokine*, 2022. 149: p. 155749.

10. Barzegar-Amini, M., M. Mahmoudi, M. Dadgarmoghaddam, F. Farzad, A.Q. Najafabadi, and F. Jabbari-Azad, Comparison of Serum Total IgA Levels in Severe and Mild COVID-19 Patients and Control Group. *J Clin Immunol*, 2022. 42(1): p. 10-18.
11. Bahreyni-Toossi, M.T., M. Dayyani, M. Mahmoudi, and H. Azimian, Flow cytometric assessment of DNA double-strand break and repair kinetics in prediction of intrinsic radiosensitivity. *Iran J Basic Med Sci*, 2022. 25(9): p. 1104-1109.
12. Yousefi, F., F.L. Arab, M. Rastin, N.S. Tabasi, K. Nikkhah, and M. Mahmoudi, Comparative assessment of immunomodulatory, proliferative, and antioxidant activities of crocin and crocetin on mesenchymal stem cells. *J Cell Biochem*, 2021. 122(1): p. 29-42.
13. Shapouri-Moghaddam, A., S.J. Tavakkol Afshari, H.R. Rahimi, M.H. Saeed Modaghegh, M. Mahmoudi, and S.M. Ehteshamfar, Para-Clinical and Immunological Evaluation in Buerger's Disease as a Suspected Autoimmune Disease: Case Series. *Rep Biochem Mol Biol*, 2021. 9(4): p. 379-384.
14. Shapouri-Moghaddam, A., S.J.T. Afshari, M.H. Saeed Modaghegh, H.R. Rahimi, M. Mahmoudi, M. Fayazi, and S.M. Ehteshamfar, Cytokine Analysis in Patients with Different Stages of Thromboangiitis Obliterans. *Curr Mol Med*, 2021. 21(9): p. 812-818.
15. Shapouri-Moghaddam, A., S.J.T. Afshari, M.S. Modaghegh, M. Mahmoudi, H.R. Rahimi, and S.M. Ehteshamfar, Differences in autoimmunity factors based on the activity of thromboangiitis obliterans. *Turk Kardiyol Dern Ars*, 2021. 49(6): p. 439-447.
16. Peyvandi Karizbodagh, M., A. Sadr-Nabavi, J. Hami, A. Mohammadipour, H. Khoshdel-Sarkarizi, H. Kheradmand, S. Fallahnezhad, M. Mahmoudi, and H. Haghir, Developmental regulation and lateralization of N-methyl-d-aspartate (NMDA) receptors in the rat hippocampus. *Neuropeptides*, 2021. 89: p. 102183.
17. Mehrdad, M., A. Norouzy, M. Safarian, H.A. Nikbakht, M. Gholamalizadeh, and M. Mahmoudi, The antiviral immune defense may be adversely influenced by weight loss through a calorie restriction program in obese women. *Am J Transl Res*, 2021. 13(9): p. 10404-10412.
18. Ghorbani, N., M. Sahebari, M. Mahmoudi, M. Rastin, S. Zamani, and M. Zamani, Berberine Inhibits the Gene Expression and Production of Proinflammatory Cytokines by Mononuclear Cells in Rheumatoid Arthritis and Healthy Individuals. *Curr Rheumatol Rev*, 2021. 17(1): p. 113-121.
19. Esmaeili, S.A., R.A. Taheri, M. Mahmoudi, A.A. Momtazi-Borojeni, M. Morshedi, A. Bahramifar, and M. Fasihi-Ramandi, Inhibitory effects of tolerogenic probiotics on migratory potential of lupus patient-derived DCs. *Iran J Basic Med Sci*, 2021. 24(11): p. 1509-1514.
20. Bidar, M., A. Bahlakeh, M. Mahmoudi, F. Ahrari, R. Shahmohammadi, and H. Jafarzadeh, Does the application of GaAlAs laser and platelet-rich plasma induce cell proliferation and increase alkaline phosphatase activity in human dental pulp stem cells? *Lasers Med Sci*, 2021. 36(6): p. 1289-1295.
21. Bayat, P., M. Farshchi, M. Yousefian, M. Mahmoudi, and R. Yazdian-Robati, Flavonoids, the compounds with anti-inflammatory and immunomodulatory properties, as promising tools in multiple sclerosis (MS) therapy: A systematic review of preclinical evidence. *Int Immunopharmacol*, 2021. 95: p. 107562.
22. Bahreyni-Toossi, M.T., H. Azimian, S.H. Aghaee-Bakhtiari, M. Mahmoudi, M. Sadat-Darbandi, and N. Zafari, Radiation-induced DNA damage and altered expression of p21, cyclin D1 and Mre11 genes in human fibroblast cell lines with different radiosensitivity. *Mutat Res*, 2021. 823: p. 111760.
23. Allahyari, A., et al., Efficacy and safety of convalescent plasma therapy in severe COVID-19 patients with acute respiratory distress syndrome. *Int Immunopharmacol*, 2021. 93: p. 107239.
24. Afsharzadeh, N., F. Lavi Arab, M. Sankian, L. Samiei, N.S. Tabasi, D. Afsharzadeh, K. Nikkhah, and M. Mahmoudi, Comparative assessment of proliferation and immunomodulatory potential of Hypericum perforatum plant and callus extracts on mesenchymal stem cells derived adipose tissue from multiple sclerosis patients. *Inflammopharmacology*, 2021. 29(5): p. 1399-1412.
25. Vasiee, A., N. Norouzi, F.T. Yazdi, S.A. Mortazavi, M. Sankian, M. Mahmoudi, and F. Shahidi, Analysis of different signal peptides for the secretory production of A_{ma} r 2 in gram-positive systems (*Lactococcus lactis*). *Microb Pathog*, 2020. 138: p. 103819.
26. Shapouri-Moghaddam, A., S.J.T. Afshari, M.H. Saeed Modaghegh, H.R. Rahimi, M. Mahmoudi, M. Fayazi, and S.M. Ehteshamfar, Cytokine analysis in patients with different stages of thromboangiitis obliterans. *Curr Mol Med*, 2020.
27. Radmanesh, F., M. Mahmoudi, E. Yazdanpanah, V. Keyvani, N. Kia, A.R. Nikpoor, P. Zafari, and S.A. Esmaeili, The immunomodulatory effects of mesenchymal stromal cell-based therapy in human and animal models of systemic lupus erythematosus. *IUBMB Life*, 2020. 72(11): p. 2366-2381.
28. Navi, Z., A. Fata, M. Jafari Rad, E. Mogaddas, M. Mahmoudi, M. Rastin, M. Mousavi Bazaz, F. Lavi Arab, S. Sahab Negah, and A. Reza Heidari, Dicrocoelium ova can block the induction phase of experimental autoimmune encephalomyelitis. *Parasite Immunol*, 2020. 42(12): p. e12792.
29. Ghasemi, H., M.A. Javadi, S.K. Ardestani, M. Mahmoudi, S. Pourfarzam, M.R.V. Mahdavi, M.E. Yarmohammadi, A. Baradaran-Rafii, K. Jadidi, S. Shariatpanahi, M. Rastin, F. Heidary, M. Safavi, E.S. Mirsharif, Z.

- Nasiri, and T. Ghazanfari, Alteration in inflammatory mediators in seriously eye-injured war veterans, long-term after sulfur mustard exposure. *Int Immunopharmacol*, 2020. 80: p. 105897.
30. Ehteshamfar, S.M., J.T. Afshari, M.S. Modaghegh, M. Mahmoudi, G.H. Kazemzadeh, and F.S. Kermani, Humoral and cellular immune response to Buerger's disease. *Vascular*, 2020. 28(4): p. 457-464.
 31. Delbandi, A.A., M. Mahmoudi, A. Shervin, Z. Moradi, T. Arablou, and A.H. Zarnani, Higher frequency of circulating, but not tissue regulatory T cells in patients with endometriosis. *J Reprod Immunol*, 2020. 139: p. 103119.
 32. Delbandi, A.A., M. Mahmoudi, A. Shervin, S. Heidari, R. Kolahdouz-Mohammadi, and A.H. Zarnani, Evaluation of apoptosis and angiogenesis in ectopic and eutopic stromal cells of patients with endometriosis compared to non-endometriotic controls. *BMC Womens Health*, 2020. 20(1): p. 3.
 33. Zamani, S., S.A. Emami, M. Iranshahi, S. Zamani Taghizadeh Rabe, and M. Mahmoudi, Sesquiterpene fractions of *Artemisia* plants as potent inhibitors of inducible nitric oxide synthase and cyclooxygenase-2 expression. *Iran J Basic Med Sci*, 2019. 22(7): p. 774-780.
 34. Yousefi, F., F. Lavi Arab, K. Saeidi, H. Amiri, and M. Mahmoudi, Various strategies to improve efficacy of stem cell transplantation in multiple sclerosis: Focus on mesenchymal stem cells and neuroprotection. *J Neuroimmunol*, 2019. 328: p. 20-34.
 35. Yousefi, F., F. Lavi Arab, K. Nikkhah, H. Amiri, and M. Mahmoudi, Novel approaches using mesenchymal stem cells for curing peripheral nerve injuries. *Life Sci*, 2019. 221: p. 99-108.
 36. Yousefi, F., F. Lavi Arab, M.R. Jaafari, M. Rastin, N. Tabasi, M. Hatamipour, K. Nikkhah, and M. Mahmoudi, Immunoregulatory, proliferative and anti-oxidant effects of nanocurcuminoids on adipose-derived mesenchymal stem cells. *EXCLI J*, 2019. 18: p. 405-421.
 37. Yousefi, B., M. Rastin, M.R. Hatef, J. Shariati, R. Alimohammadi, and M. Mahmoudi, In vitro modulatory effect of dehydroepiandrosterone sulfate on apoptosis and expression of apoptosis-related genes in patients with systemic lupus erythematosus. *J Cell Physiol*, 2019. 234(8): p. 12676-12684.
 38. Vasiee, A., S.A. Mortazavi, M. Sankian, F.T. Yazdi, M. Mahmoudi, and F. Shahidi, Antagonistic activity of recombinant *Lactococcus lactis* NZ1330 on the adhesion properties of *Escherichia coli* causing urinary tract infection. *Microb Pathog*, 2019. 133: p. 103547.
 39. Sharifian, M.R., M. Mahmoudi, B. Pourmomenarabi, and M.R. Keramati, Correlation between Allergic Rhinitis and Otitis Media with Effusion. *Iran J Otorhinolaryngol*, 2019. 31(105): p. 209-215.
 40. Shapouri-Moghaddam, A., M. Mohammadi, H.R. Rahimi, H. Esmaili, M. Mahmoudi, M.H. Saeed Modaghegh, and J. Tavakol Afshari, The Association of HLA-A, B and DRB1 with Buerger's Disease. *Rep Biochem Mol Biol*, 2019. 8(2): p. 153-160.
 41. Shamili, F.H., H.R. Bayegi, Z. Salmasi, K. Sadri, M. Mahmoudi, M. Kalantari, M. Ramezani, and K. Abnous, Corrigendum to "Exosomes derived from TRAIL-engineered mesenchymal stem cells with effective anti-tumor activity in a mouse melanoma model" [*International Journal of Pharmaceutics* 549 (2018) 218-229]. *Int J Pharm*, 2019. 558: p. 441.
 42. Shahraki, S., R. Mohebbati, M.N. Shafei, M. Mahmoudi, S. Hosseini, S. Parhizgar, Z.N.E. Yazd, N.E. Heravi, R.N.S. Abadi, and A. Khajavirad, Induction of Apoptosis and Growth-Inhibition by Thymoquinone in ACHN and GP-293 Cell Lines in Comparable with Cis-Platinum. *J Pharmacopuncture*, 2019. 22(3): p. 176-183.
 43. Rajaei, T., H. Farajifard, S.A. Rezaee, M.R. Azarpazhooh, M. Mahmoudi, N. Valizadeh, and H. Rafatpanah, Different roles of CXCR1 and CXCR2 in HTLV-1 carriers and HTLV-1-associated myelopathy/tropical spastic paraparesis (HAM/TSP) patients. *Med Microbiol Immunol*, 2019. 208(5): p. 641-650.
 44. Monzavi, S.M., R. Afshari, A.R. Khoshdel, M. Mahmoudi, A.A. Salarian, F. Samieimanesh, E. Shirmast, and A. Mihandoust, Analysis of effectiveness of Iranian snake antivenom on Viper venom induced effects including analysis of immunologic biomarkers in the *Echis carinatus* sochureki envenomed victims. *Toxicon*, 2019. 158: p. 38-46.
 45. Kianmehr, M., A. Rezaee, M. Mahmoudi, V. Ghorani, and M.H. Boskabady, T helper cells subtypes and their cytokine gene expression affected by carvacrol in sensitized mice administered during sensitization period. *J Cell Biochem*, 2019. 120(4): p. 5343-5354.
 46. Khoshdel-Sarkarizi, H., J. Hami, A. Mohammadipour, A. Sadr-Nabavi, M. Mahmoudi, H. Kheradmand, M. Peyvandi, E. Nourmohammadi, and H. Haghir, Developmental regulation and lateralization of GABA receptors in the rat hippocampus. *Int J Dev Neurosci*, 2019. 76: p. 86-94.
 47. Khorasani, S., M. Mahmoudi, M.R. Kalantari, F. Lavi Arab, S.A. Esmaili, F. Mardani, N. Tabasi, and M. Rastin, Amelioration of regulatory T cells by *Lactobacillus delbrueckii* and *Lactobacillus rhamnosus* in pristane-induced lupus mice model. *J Cell Physiol*, 2019. 234(6): p. 9778-9786.
 48. Khooei, A., F. Atabaki Pasdar, A. Fazel, M. Mahmoudi, M.R. Nikraves, and S. Daneshmand Shahbazian, P53 expression in various types of hydropic placentas (through ploidy analysis as a complementary tool in diagnosis of samples). *Caspian J Intern Med*, 2019. 10(2): p. 205-210.
 49. Hosseini Shamili, F., M. Alibolandi, H. Rafatpanah, K. Abnous, M. Mahmoudi, M. Kalantari, S.M. Taghdisi, and M. Ramezani, Immunomodulatory properties of MSC-derived exosomes armed with high affinity

- aptamer toward myelin as a platform for reducing multiple sclerosis clinical score. *J Control Release*, 2019. 299: p. 149-164.
50. Heidary, F., S.K. Ardestani, H. Ghasemi, M.A. Javadi, M. Mahmoudi, R. Yaraee, J. Shams, F. Falahi, M.R. Sedighi Moghadam, S. Shariatpanahi, R. Shakeri, M.M. Naghizadeh, and T. Ghazanfari, Alteration in serum levels of ICAM-1 and P-, E- and L-selectins in seriously eye-injured long-term following sulfur-mustard exposure. *Int Immunopharmacol*, 2019. 76: p. 105820.
 51. Heidari, A.R., S. Boroumand-Noughabi, R. Nosratabadi, F. Lavi Arab, N. Tabasi, M. Rastin, and M. Mahmoudi, Acylated and deacylated quillaja saponin-21 adjuvants have opposite roles when utilized for immunization of C57BL/6 mice model with MOG(35-55) peptide. *Mult Scler Relat Disord*, 2019. 29: p. 68-82.
 52. Haghmorad, D., E. Yazdanpanah, M. Jadid Tavaf, S. Zargarani, A. Soltanmohammadi, M.B. Mahmoudi, and M. Mahmoudi, Prevention and treatment of experimental autoimmune encephalomyelitis induced mice with 1, 25-dihydroxyvitamin D3. *Neurol Res*, 2019. 41(10): p. 943-957.
 53. Haghmorad, D., M.B. Mahmoudi, P. Haghighi, P. Alidadiani, E. Shahvazian, P. Tavasolian, M. Hosseini, and M. Mahmoudi, Improvement of fertility parameters with *Tribulus Terrestris* and *Anacyclus Pyrethrum* treatment in male rats. *Int Braz J Urol*, 2019. 45(5): p. 1043-1054.
 54. Ghazanfari, T., H. Ghasemi, R. Yaraee, M. Mahmoudi, M.A. Javadi, M.R. Soroush, S. Faghihzadeh, A.M.M. Majd, R. Shakeri, M. Babaei, F. Heidary, and Z.M. Hassan, Tear and serum interleukin-8 and serum CX3CL1, CCL2 and CCL5 in sulfur mustard eye-exposed patients. *Int Immunopharmacol*, 2019. 77: p. 105844.
 55. Ghasemi, H., R. Yaraee, S. Faghihzadeh, M. Ghassemi-Broumand, M. Mahmoudi, M. Babaei, M. Naderi, M. Safavi, Z. Ghazanfari, M. Rastin, S. Zamani, N. Tabasi, E. Faghihzadeh, R. Gharebaghi, Z.M. Hassan, E.S. Mirsharif, and T. Ghazanfari, Tear and serum MMP-9 and serum TIMPs levels in the severe sulfur mustard eye injured exposed patients. *Int Immunopharmacol*, 2019. 77: p. 105812.
 56. Balali-Mood, M., B. Riahi-Zanjani, M. Mahmoudi, and M. Sadeghi, Current status of the acquired immune system of Iranian patients with long-term complications of sulfur mustard poisoning. *Daru*, 2019. 27(1): p. 43-48.
 57. Yousefi, F., F. Lavi Arab, K. Saeidi, H. Amiri, and M. Mahmoudi, Various strategies to improve efficacy of stem cell transplantation in multiple sclerosis: Focus on mesenchymal stem cells and neuroprotection. *J Neuroimmunol*, 2018. 328: p. 20-34.
 58. Yousefi, B., M. Rastin, M.R. Hatef, J. Shariati, R. Alimohammadi, and M. Mahmoudi, In vitro modulatory effect of dehydroepiandrosterone sulfate on apoptosis and expression of apoptosis-related genes in patients with systemic lupus erythematosus. *J Cell Physiol*, 2018.
 59. Shirani, K., B.R. Zanjani, M. Mahmoudi, A.H. Jafarian, F.V. Hassani, J.P. Giesy, and G. Karimi, Immunotoxicity of aflatoxin M1 : as a potent suppressor of innate and acquired immune systems in a subacute study. *J Sci Food Agric*, 2018. 98(15): p. 5884-5892.
 60. Shamili, F.H., H.R. Bayegi, Z. Salmasi, K. Sadri, M. Mahmoudi, M. Kalantari, M. Ramezani, and K. Abnous, Exosomes derived from TRAIL-engineered mesenchymal stem cells with effective anti-tumor activity in a mouse melanoma model. *Int J Pharm*, 2018. 549(1-2): p. 218-229.
 61. Riahi-Zanjani, B., M. Balali-Mood, M. Mahmoudi, and M. Sadeghi, Innate Immune System Status of Sulphur Mustard-Poisoned Iranian Veterans Three Decades after Exposure. *Basic Clin Pharmacol Toxicol*, 2018. 123(5): p. 635-639.
 62. Rajaei, T., H. Farajifard, S.A. Rezaee, M.R. Azarpazhooh, M. Mahmoudi, N. Valizadeh, and H. Rafatpanah, Different roles of CXCR1 and CXCR2 in HTLV-1 carriers and HTLV-1-associated myelopathy/tropical spastic paraparesis (HAM/TSP) patients. *Med Microbiol Immunol*, 2018.
 63. Monzavi, S.M., A. Alirezaei, Z. Shariati-Sarabi, J. Tavakol Afshari, M. Mahmoudi, B. Dormanesh, F. Jahandoost, A.R. Khoshdel, and A. Etemad Rezaie, Efficacy analysis of hydroxychloroquine therapy in systemic lupus erythematosus: a study on disease activity and immunological biomarkers. *Inflammopharmacology*, 2018. 26(5): p. 1175-1182.
 64. Monzavi, S.M., R. Afshari, A.R. Khoshdel, M. Mahmoudi, A.A. Salarian, F. Samieimanesh, E. Shirmast, and A. Mihandoust, Analysis of effectiveness of Iranian snake antivenom on Viper venom induced effects including analysis of immunologic biomarkers in the *Echis carinatus* sochureki envenomed victims. *Toxicon*, 2018. 158: p. 38-46.
 65. Mehrzad, J., A. Bahari, M.R. Bassami, M. Mahmoudi, and H. Dehghani, Data on environmentally relevant level of aflatoxin B1-induced human dendritic cells' functional alteration. *Data Brief*, 2018. 18: p. 1576-1580.
 66. Mehrzad, J., A. Bahari, M.R. Bassami, M. Mahmoudi, and H. Dehghani, Immunobiologically relevant level of aflatoxin B1 alters transcription of key functional immune genes, phagocytosis and survival of human dendritic cells. *Immunol Lett*, 2018. 197: p. 44-52.
 67. Mardani, F., M. Mahmoudi, S.A. Esmaeili, S. Khorasani, N. Tabasi, and M. Rastin, In vivo study: Th1-Th17 reduction in pristane-induced systemic lupus erythematosus mice after treatment with tolerogenic *Lactobacillus* probiotics. *J Cell Physiol*, 2018. 234(1): p. 642-649.

68. Kianmehr, M., A. Rezaee, M. Mahmoudi, V. Ghorani, and M.H. Boskabady, T helper cells subtypes and their cytokine gene expression affected by carvacrol in sensitized mice administered during sensitization period. *J Cell Biochem*, 2018.
69. Khorasani, S., M. Mahmoudi, M.R. Kalantari, F. Lavi Arab, S.A. Esmaeili, F. Mardani, N. Tabasi, and M. Rastin, Amelioration of regulatory T cells by *Lactobacillus delbrueckii* and *Lactobacillus rhamnosus* in pristane-induced lupus mice model. *J Cell Physiol*, 2018.
70. Hariri, A.T., S.A. Moallem, M. Mahmoudi, B. Memar, B.M. Razavi, and H. Hosseinzadeh, Effect of *Crocus sativus* L. stigma (saffron) against subacute effect of diazinon: histopathological, hematological, biochemical and genotoxicity evaluations in rats. *J Pharmacopuncture*, 2018. 21(2): p. 61-69.
71. Esmaeili, S.A., M. Mahmoudi, Z. Rezaieyazdi, M. Sahebari, N. Tabasi, A. Sahebkar, and M. Rastin, Generation of tolerogenic dendritic cells using *Lactobacillus rhamnosus* and *Lactobacillus delbrueckii* as tolerogenic probiotics. *J Cell Biochem*, 2018. 119(9): p. 7865-7872.
72. Doulabi, H., M. Rastin, H. Shabahangh, G. Maddah, A. Abdollahi, R. Nosratabadi, S.A. Esmaeili, and M. Mahmoudi, Analysis of Th22, Th17 and CD4(+) cells co-producing IL-17/IL-22 at different stages of human colon cancer. *Biomed Pharmacother*, 2018. 103: p. 1101-1106.
73. Azimian, H., M. Dayyani, M.T.B. Toossi, and M. Mahmoudi, Bax/Bcl-2 expression ratio in prediction of response to breast cancer radiotherapy. *Iran J Basic Med Sci*, 2018. 21(3): p. 325-332.
74. Yousefzadeh, H., F.J. Azad, M. Rastin, M. Banihashemi, and M. Mahmoudi, Expression of Th1 and Th2 cytokine and associated transcription factors in peripheral blood mononuclear cells and correlation with disease severity. *Reports of Biochemistry and Molecular Biology*, 2017. 6(1): p. 102-111.
75. Yousefzadeh, H., M. Mahmoudi, M. Banihashemi, M. Rastin, and F.J. Azad, Investigation of dietary supplements prevalence as complementary therapy: Comparison between hospitalized psoriasis patients and non-psoriasis patients, correlation with disease severity and quality of life. *Complement Ther Med*, 2017. 33: p. 65-71.
76. Yousefzadeh, H., F. Jabbari Azad, M. Banihashemi, M. Rastin, and M. Mahmoudi, Evaluation of psoriasis severity and inflammatory responses under concomitant treatment with methotrexate plus micronutrients for psoriasis vulgaris: a randomized double blind trial. *Acta Dermatovenerol Alp Pannonica Adriat*, 2017. 26(1): p. 3-9.
77. Yousefzadeh, H., F.J. Azad, M. Banihashemi, M. Rastin, and M. Mahmoudi, Clinical efficacy and quality of life under micronutrients in combination with methotrexate therapy in chronic plaque of psoriatic patients. *Dermatologica Sinica*, 2017.
78. Yazdanpanah, E., M. Mahmoudi, M. Sahebari, Z. Rezaieyazdi, S.A. Esmaeili, N. Tabasi, S. Jaber, A. Sahebkar, and M. Rastin, Vitamin D3 Alters the Expression of Toll-like Receptors in Peripheral Blood Mononuclear Cells of Patients With Systemic Lupus Erythematosus. *J Cell Biochem*, 2017.
79. Sedghy, F., M. Sankian, M. Moghadam, Z. Ghasemi, M. Mahmoudi, and A.R. Varasteh, Impact of traffic-related air pollution on the expression of *Platanus orientalis* pollen allergens. *Int J Biometeorol*, 2017. 61(1): p. 1-9.
80. Salehipour, Z., D. Haghmorad, M. Sankian, M. Rastin, R. Nosratabadi, M.M. Soltan Dallal, N. Tabasi, M. Khazaei, L.R. Nasiraii, and M. Mahmoudi, *Bifidobacterium animalis* in combination with human origin of *Lactobacillus plantarum* ameliorate neuroinflammation in experimental model of multiple sclerosis by altering CD4+ T cell subset balance. *Biomed Pharmacother*, 2017. 95: p. 1535-1548.
81. Rezaee, M.A., S.A. Moallem, A.H. Mohammadpour, M. Mahmoudi, M. Sankian, M. Farzadnia, H. Alavi, and M. Imenshahidi, Histopathological study of erythropoietin protective effect on carbon monoxide-induced cardiotoxicity in rat. *Iran J Basic Med Sci*, 2017. 20(11): p. 1189-1193.
82. Rastin, M., M. Mahmoudi, M. Sahebari, and N. Tabasi, Clinical & immunological characteristics in systemic lupus erythematosus patients. *Indian J Med Res*, 2017. 146(2): p. 224-229.
83. Karimi, G., M. Mahmoudi, M. Balali-Mood, M. Rahnama, S. Zamani Taghizadeh Rabe, N. Tabasi, and B. Riahi-Zanjani, Decreased Levels of Spleen Tissue CD4+CD25+Foxp3+ Regulatory T Lymphocytes in Mice Exposed to Berberine. *J Acupunct Meridian Stud*, 2017. 10(2): p. 109-113.
84. Haghmorad, D., M.B. Mahmoudi, Z. Salehipour, Z. Jalayer, A.A. Momtazi Brojeni, M. Rastin, P. Kokhaei, and M. Mahmoudi, Hesperidin ameliorates immunological outcome and reduces neuroinflammation in the mouse model of multiple sclerosis. *J Neuroimmunol*, 2017. 302: p. 23-33.
85. Ghalamfarsa, G., S.V. Hosseini, M. Hamidinia, A. Ghaderi, M. Mahmoudi, and Z. Mojtahedi, Differential Immune Reactivity Pattern of SW48 and SW1116 Colorectal Cancer Cell Lines with Colorectal Cancer Patients Sera. *Adv Biomed Res*, 2017. 6: p. 6.
86. Esmaeili, S.A., M. Mahmoudi, A.A. Momtazi, A. Sahebkar, H. Doulabi, and M. Rastin, Tolerogenic probiotics: potential immunoregulators in Systemic Lupus Erythematosus. *J Cell Physiol*, 2017. 232(8): p. 1994-2007.

87. Esmaeili, A., S.Z.T. Rabe, M. Mahmoudi, and M. Rastin, Frequencies of HLA-A, B and DRB1 alleles in a large normal population living in the city of Mashhad, Northeastern Iran. *Iran J Basic Med Sci*, 2017. 20(8): p. 940-943.
88. Zamani Taghizadeh Rabe, S., M. Iranshahi, and M. Mahmoudi, In vitro anti-inflammatory and immunomodulatory properties of umbelliprenin and methyl galbanate. *J Immunotoxicol*, 2016. 13(2): p. 209-16.
89. Shahraki, S., A. Khajavirad, M.N. Shafei, M. Mahmoudi, and N.S. Tabasi, Effect of total hydroalcoholic extract of *Nigella sativa* and its n-hexane and ethyl acetate fractions on ACHN and GP-293 cell lines. *J Tradit Complement Med*, 2016. 6(1): p. 89-96.
90. Rezaee, M.A., A.H. Mohammadpour, M. Imenshahidi, M. Mahmoudi, M. Sankian, K. Tsarouhas, A. Tsakalof, A.M. Tsatsakis, and S.A. Moallem, Protective effect of erythropoietin on myocardial apoptosis in rats exposed to carbon monoxide. *Life Sci*, 2016. 148: p. 118-24.
91. Rastin, M., S. Soltani, F. Nazemian, M. Sahebari, S.Z. Mirfeizi, N. Tabasi, and M. Mahmoudi, Expression of T Helper 17 and Regulatory T Cell Cytokines and Molecules in Glomerulonephritis Class IV Systemic Lupus Erythematosus. *Iran J Kidney Dis*, 2016. 10(3): p. 113-8.
92. Nosratabadi, R., M. Rastin, M. Sankian, D. Haghmorad, N. Tabasi, S. Zamani, A. Aghaee, Z. Salehipour, and M. Mahmoudi, St. John's wort and its component hyperforin alleviate experimental autoimmune encephalomyelitis through expansion of regulatory T-cells. *J Immunotoxicol*, 2016. 13(3): p. 364-74.
93. Nosratabadi, R., M. Rastin, M. Sankian, D. Haghmorad, and M. Mahmoudi, Hyperforin-loaded gold nanoparticle alleviates experimental autoimmune encephalomyelitis by suppressing Th1 and Th17 cells and upregulating regulatory T cells. *Nanomedicine*, 2016. 12(7): p. 1961-1971.
94. Moghadam, M., M. Sankian, K. Abnous, A. Varasteh, S.M. Taghdisi, M. Mahmoudi, M. Ramezani, Z. Gholizadeh, and A. Ganji, Cell-SELEX-based selection and characterization of a G-quadruplex DNA aptamer against mouse dendritic cells. *Int Immunopharmacol*, 2016. 36: p. 324-332.
95. Mahmoudi, M., S. Zamani Taghizadeh Rabe, M. Balali-Mood, G. Karimi, B. Memar, M. Rahnama, N. Tabasi, M. Khazaei, and B. Riahi-Zanjani, Immunotoxicity induced in mice by subacute exposure to berberine. *J Immunotoxicol*, 2016. 13(2): p. 255-62.
96. Haghmorad, D., Z. Salehipour, R. Nosratabadi, M. Rastin, P. Kokhaei, M.B. Mahmoudi, A.A. Amini, and M. Mahmoudi, Medium-dose estrogen ameliorates experimental autoimmune encephalomyelitis in ovariectomized mice. *J Immunotoxicol*, 2016. 13(6): p. 885-896.
97. Ghoryani, M., M. Sahebari, M. Mahmoudi, N. Abdollahi, H. Reihani, S.Z.T. Rabe, N. Tabasi, and M. Rastin, Immunomodulatory vitamin D effects on regulatory T-cells and cytokines in an in vitro study on patients with systemic lupus erythematosus. *Food and Agricultural Immunology*, 2016. 27(3): p. 377-387.
98. Ghalamfarsa, G., M. Mahmoudi, M. Mohammadnia-Afrouzi, Y. Yazdani, E. Anvari, A. Hadinia, A. Ghanbari, M. Setayesh, M. Yousefi, and F. Jadidi-Niaragh, IL-21 and IL-21 receptor in the immunopathogenesis of multiple sclerosis. *J Immunotoxicol*, 2016. 13(3): p. 274-85.
99. Faraji, F., M. Rastin, F.L. Arab, M.R. Kalantari, S.Z. Rabe, N. Tabasi, and M. Mahmoudi, Effects of 1,25-dihydroxyvitamin D3 on IL-17/IL-23 axis, IFN-gamma and IL-4 expression in systemic lupus erythematosus induced mice model. *Iran J Basic Med Sci*, 2016. 19(4): p. 374-80.
100. Delbandi, A.A., M. Mahmoudi, A. Shervin, and A.H. Zarnani, 1,25-Dihydroxy Vitamin D3 Modulates Endometriosis-Related Features of Human Endometriotic Stromal Cells. *Am J Reprod Immunol*, 2016. 75(4): p. 461-73.
101. Berenji, F., A. Pouryousef, A. Fata, M. Mahmoudi, M. Salehi, and J. Khoshnegah, Seroepidemiological Study of Toxocariasis in the Owners of Domestic Cats and Dogs in Mashhad, Northeastern Iran. *Iran J Parasitol*, 2016. 11(2): p. 265-268.
102. Alizadeh, B., Z. Badiie, M. Mahmoudi, and M. Mohajery, Evaluating the Correlation between Serum NT-proBNP Level and Diastolic Dysfunction Severity in Beta-Thalassemia Major Patients. *J Tehran Heart Cent*, 2016. 11(2): p. 68-72.
103. Vakili, R., M.Y. Bakhsh, M. Vahedian, M. Mahmoudi, M. Saeidi, and S. Vakili, The effect of zinc supplementation on linear growth and growth factors in primary schoolchildren in the suburbs Mashhad, Iran. *International Journal of Pediatrics*, 2015. 3(2): p. 1-7.
104. Tabasi, N., M. Rastin, M. Mahmoudi, M. Ghoryani, Z. Mirfeizi, S.Z. Rabe, and H. Reihani, Influence of vitamin D on cell cycle, apoptosis, and some apoptosis related molecules in systemic lupus erythematosus. *Iran J Basic Med Sci*, 2015. 18(11): p. 1107-11.
105. Reihani, H., M. Rastin, M. Mahmoudi, M. Ghoryani, N. Abdollahi, N.S. Tabasi, S. Zamani Taghizadeh Rabe, and M. Sahebari, Influence of 1 Alpha, 25-Dihydroxyvitamin D3 on T Helper 17 Cells and Related Cytokines in Systemic Lupus Erythematosus. *Iran J Immunol*, 2015. 12(2): p. 82-93.
106. Rabe, S.Z., T. Ghazanfari, Z. Siadat, M. Rastin, S.Z. Rabe, and M. Mahmoudi, Anti-inflammatory effect of garlic 14-kDa protein on LPS-stimulated-J774A.1 macrophages. *Immunopharmacol Immunotoxicol*, 2015. 37(2): p. 158-64.

107. Rabe, S.T., S.A. Emami, M. Iranshahi, M. Rastin, N. Tabasi, and M. Mahmoudi, Anti-cancer properties of a sesquiterpene lactone-bearing fraction from *Artemisia khorassanica*. *Asian Pac J Cancer Prev*, 2015. 16(3): p. 863-8.
108. Mohammadi, A., J. Mehrzad, M. Mahmoudi, M. Schneider, and A. Haghparsat, Effect of culture and maturation on human monocyte-derived dendritic cell surface markers, necrosis and antigen binding. *Biotech Histochem*, 2015. 90(6): p. 445-52.
109. Mahmoudi, M., S.Z.T. Rabe, M. Rahnama, M.B. Mood, G. Karimi, and B. Riahi-Zanjani, Use of carnosol as a highly immunosuppressive agent. *Jundishapur Journal of Natural Pharmaceutical Products*, 2015. 10(3).
110. Mahmoudi, M., S.Z. Rabe, M. Balali-Mood, G. Karimi, N. Tabasi, and B. Riahi-Zanjani, Ursolic acid induced apoptotic cell death following activation of caspases in isolated human melanoma cells. *Cell Biol Int*, 2015. 39(2): p. 230-6.
111. Banaee, T., R. Daneshvar Kakhki, M. Abrishami, M. Mahmoudi, and M. Farzadnia, Higher titers of anti-*Chlamydia pneumoniae* IgG in diabetic retinopathy: a cross-sectional study. *Diabetes Metab Res Rev*, 2015. 31(2): p. 168-74.
112. Atabaki Pasdar, F., A. Khooei, A. Fazel, M. Rastin, N. Tabasi, T. Peirouvi, and M. Mahmoudi, DNA flow cytometric analysis in variable types of hydropic placentas. *Iran J Reprod Med*, 2015. 13(5): p. 269-74.
113. Zamani Taghizadeh Rabe, S., M. Sahebari, Z. Mahmoudi, H. Hosseinzadeh, D. Haghmorad, N. Tabasi, M. Rastin, M. Khazaee, and M. Mahmoudi, Inhibitory effect of *Crocus sativus* L. ethanol extract on adjuvant-induced arthritis. *Food and Agricultural Immunology*, 2014.
114. Zamani Taghizadeh Rabe, S., S.H. Mousavi, N. Tabasi, M. Rastin, Z. Siadat, and M. Mahmoudi, Rose Bengal suppresses gastric cancer cell proliferation via apoptosis and inhibits nitric oxide formation in macrophages. *J Immunotoxicol*, 2014.
115. Zamani Taghizadeh Rabe, S., M. Iranshahi, M. Rastin, S. Zamani Taghizadeh Rabe, and M. Mahmoudi, Anti-inflammatory effect of new kopetdaghins A, C and E from *Dorema kopetdaghense*. *Food and Agricultural Immunology*, 2014: p. 1-10.
116. Zamani Taghizadeh Rabe, S., M. Iranshahi, M. Rastin, N. Tabasi, and M. Mahmoudi, In vitro immunomodulatory properties of a sesquiterpene lactone-bearing fraction from *Artemisia khorassanica*. *J Immunotoxicol*, 2014: p. 1-8.
117. Tabasi, N., M. Mahmoudi, M. Rastin, H.R. Sadeghnia, M. HosseinPour Mashhadi, S. Zamani Taghizadeh Rabe, and A. Khajavi Rad, Cytotoxic and apoptogenic properties of *Nigella sativa* and thymoquinone, its constituent, in human renal cell carcinoma are comparable with cisplatin. *Food and Agricultural Immunology*, 2014.
118. Siadat, Z., M. Rastin, N. Tabasi, A. Rezaee, and M. Mahmoudi, Evaluation of the Effects of Ramadan Fasting on Lymphocyte subpopulations in a Two-year Follow-up. *J Fasting Health*, 2014. 2: p. 31-36.
119. Seyedian Moghaddam, A., A. Raji, J. Movaffagh, A. Tabatabaee Yazdi, and M. Mahmoudi, Effects of Autologous Keratinocyte Cell Spray With and Without Chitosan on Third Degree Burn Healing: An Animal Experiment. *Wounds*, 2014. 26(4): p. 83-88.
120. Sani, A.T., M. Naghibi, H.O. Esmaeili, M. Mahmoudi, and K. Mohammadi, Comparison of low dose intradermal with high dose intramuscular hepatitis B vaccination in hemodialysis patients. *Govareh*, 2014. 18(4): p. 250-254.
121. Riahi-Zanjani, B., M. Balali-Mood, S.R. Mousavi, G. Karimi, M. Sadeghi, E. Shirmast, and M. Mahmoudi, Serum cytokine profiles of Khorasan veterans 23 years after sulfur mustard exposure. *Cytokine*, 2014.
122. Rezaee, R., K. Jamialahmadi, B. Riahi Zanjani, M. Mahmoudi, K. Abnous, S. Zamani Taghizadeh Rabe, N. Tabasi, M. Zali, M. Rezaee, B. Amin, and G. Karimi, Crocin Effects on Human Myeloma Cells Regarding Intracellular Redox State, DNA Fragmentation, and Apoptosis or Necrosis Profile. *Jundishapur J Nat Pharm Prod*, 2014. 9(4): p. e20131.
123. Rastin, M., M. Mahmoudi, S.A. Rezaee, M.A. Assarehzadegan, N. Tabasi, S. Zamani, R. Nosratabadi, D. Haghmorad, A. Sheikh, M. Khazaee, and H.R. Panah, Distribution of Hepatitis C virus genotypes in city of Mashhad, North-east of Iran. *Indian J Med Microbiol*, 2014. 32(1): p. 53-56.
124. Rahnama, M., M. Mahmoudi, S. Zamani Taghizadeh Rabe, M. Balali-Mood, G. Karimi, N. Tabasi, and B. Riahi-Zanjani, Evaluation of anti-cancer and immunomodulatory effects of carnosol in a Balb/c WEHI-164 fibrosarcoma model. *J Immunotoxicol*, 2014: p. 1-8.
125. Mohammadi, A., J. Mehrzad, M. Mahmoudi, and M. Schneider, Environmentally relevant level of aflatoxin B1 dysregulates human dendritic cells through signaling on key toll-like receptors. *Int J Toxicol*, 2014. 33(3): p. 175-186.
126. Moallem, S.A., A.T. Hariri, M. Mahmoudi, and H. Hosseinzadeh, Effect of aqueous extract of *Crocus sativus* L. (saffron) stigma against subacute effect of diazinon on specific biomarkers in rats. *Toxicol Ind Health*, 2014. 30(2): p. 141-146.

127. Mahmoudi, M., S. Zamani Taghizadeh Rabe, and S.A. Emami, A study to investigate the biological activity of proteoglycan mixture extract from *Convolvulus arvensis*. *J Complement Integr Med*, 2014. 11(4): p. 265-72.
128. Mahmoudi, M., S.Z. Rabe, M. Balali-Mood, G. Karimi, N. Tabasi, and B. Riahi-Zanjani, Ursolic acid induced apoptotic cell death following activation of caspases in isolated human melanoma cells. *Cell Biol Int*, 2014.
129. Lavi Arab, F., M. Rastin, F. Faraji, S. Zamani Taghizadeh Rabe, N. Tabasi, M. Khazaei, D. Haghmorad, and M. Mahmoudi, Assessment of 1,25-dihydroxyvitamin D3 effects on Treg cells in a mouse model of systemic lupus erythematosus. *Immunopharmacol Immunotoxicol*, 2014: p. 1-7.
130. Haghmorad, D., M.B. Mahmoudi, M. Mahmoudi, S.Z.T. Rab, M. Rastin, H. Shegarfi, G. Azizi, and A. Mirshafiey, Calcium intervention ameliorates experimental model of multiple sclerosis. *Oman Med J*, 2014. 29(3): p. 185-189.
131. Haghmorad, D., A.A. Amini, M.B. Mahmoudi, M. Rastin, M. Hosseini, and M. Mahmoudi, Pregnancy level of estrogen attenuates experimental autoimmune encephalomyelitis in both ovariectomized and pregnant C57BL/6 mice through expansion of Treg and Th2 cells. *J Neuroimmunol*, 2014. 277(1-2): p. 85-95.
132. Bahari, A., J. Mehrzad, M. Mahmoudi, M.R. Bassami, and H. Dehghani, Cytochrome P450 isoforms are differently up-regulated in aflatoxin B1-exposed human lymphocytes and monocytes. *Immunopharmacol Immunotoxicol*, 2014. 36(1): p. 1-10.
133. Bahari, A., J. Mehrzad, M. Mahmoudi, M.R. Bassami, and H. Dehghani, GST-M1 is transcribed more so than AKR7A2 in AFB-exposed human monocytes and lymphocytes. *J Immunotoxicol*, 2014: p. 1-5.
134. Zamani Taghizadeh Rabe, S., M. Mahmoudi, H. Ahmadsimab, S.S. Zamani Taghizadeh Rabe, and A. Emami, Investigation of the biological activity of methanol extract from *Eremostachys labiosa* Bunge. *Food and Agricultural Immunology*, 2013.
135. Yaraee, R., Z.M. Hassan, S. Pourfarzam, A. Rezaei, S. Faghihzadeh, M. Ebtekar, M.R. Soroush, S.K. Ardestani, H. Kazemi, M. Mahmoudi, Z. Ghazanfari, A. Foroutan, S. Jalaie, and T. Ghazanfari, Fibrinogen and inflammatory cytokines in spontaneous sputum of sulfur-mustard-exposed civilians - Sardasht-Iran Cohort Study. *Int Immunopharmacol*, 2013. 17(3): p. 968-973.
136. Sharifipour, F., A. Zeraati, M. Sahebari, M. Hatef, M. Naghibi, Z. Rezaieyazdi, M. Mahmoudi, A.A. Azarian, Z. Mirfeizi, and K. Samadi, Association of urinary lipocalin-2 with lupus nephritis. *Iran J Basic Med Sci*, 2013. 16(9): p. 1011-5.
137. Sankian, M., M. Mahmoudi, and A.R. Varasteh, Molecular cloning, characterization, and expression of Cuc m 2, a major allergen in *Cucumis melo*. *Rep Biochem Mol Biol*, 2013. 1(2): p. 49-63.
138. Sahebari, M., K. Hashemzadeh, M. Mahmoudi, Z. Saremi, and Z. Mirfeizi, Diagnostic yield of heat shock protein 70 (HSP-70) and anti-HSP-70 in Behcet-induced uveitis. *Scand J Immunol*, 2013. 77(6): p. 476-81.
139. Rezaee, R., M. Mahmoudi, K. Abnous, S. Zamani Taghizadeh Rabe, N. Tabasi, M. Hashemzaei, and G. Karimi, Cytotoxic effects of crocin on MOLT-4 human leukemia cells. *J Complement Integr Med*, 2013. 10.
140. Rastin, M., A. Reza Khoei, N. Tabasi, A. Sheikh, S. Ziaolhagh, E. Esmaeeli, S. Zamani, M. Khazaei, and M. Mahmoudi, Evaluation of HTLV-I and HCV prevalence in non-Hodgkin's lymphoma. *Iran J Basic Med Sci*, 2013. 16(3): p. 242-246.
141. Rastin, M., M. Mahmoudi, M. Hatef, M. Sahebari, N. Tabasi, D. Haghmorad, R. Nosratabadi, S. Zamani, M. Khazaei, and M. Masoudian, T lymphocyte apoptosis in systemic lupus erythematosus patients. *Iran J Basic Med Sci*, 2013. 16(8): p. 936-941.
142. Pashar, F.A., A. Khoeei, A. Fazel, M. Mahmoudi, and F. Tavassoli, Detection of sugar chain expression in hydatidiform mole using lectin histochemistry. *Iran Red Crescent Med J*, 2013. 15(5): p. 376-380.
143. Mehrzad, J., M. Milani, and M. Mahmoudi, Naturally occurring level of mixed aflatoxins B and G stimulate toll-like receptor-4 in bovine mononuclear cells. *Veterinary Quarterly*, 2013. 33(4): p. 186-190.
144. Khoeei, A., F.A. Pashar, A. Fazel, M. Mahmoudi, M.R. Nikraves, M.K. Delui, and B. Pourheydar, Ki-67 expression in hydatidiform moles and hydropic abortions. *Iran Red Crescent Med J*, 2013. 15(7): p. 590-594.
145. Kchour, G., et al., The combination of arsenic, interferon-alpha, and zidovudine restores an "immunocompetent-like" cytokine expression profile in patients with adult T-cell leukemia lymphoma. *Retrovirology*, 2013. 10(1).
146. Hatef, M.R., M. Sahebari, Z. Rezaieyazdi, M.R. Nakhjavani, and M. Mahmoudi, Stronger Correlation between Interleukin 18 and Soluble Fas in Lupus Nephritis Compared with Mild Lupus. *ISRN Rheumatol*, 2013. 2013: p. 850851.
147. Hassanzadeh Bashtian, M., S.A. Emami, N. Mousavifar, H.A. Esmaily, M. Mahmoudi, and A.H. Mohammad Poor, Evaluation of Fenugreek (*Trigonella foenum-graceum* L.), Effects Seeds Extract on Insulin Resistance in Women with Polycystic Ovarian Syndrome. *Iran J Pharm Res*, 2013. 12(2): p. 475-81.
148. Ghazanfari, T., A. Mostafaie, R. Yaraee, S. Pourfarzam, S. Faghihzadeh, A. Rezaei, M. Mahmoudi, M.R. Vaez-Mahdavi, S. Moaiedmohseni, M.R. Soroush, M.M. Naghizadeh, E. Faghihzadeh, and Z.M. Hassan, Are

- serum levels of immunoglobulin classes and IgG subclasses involved in delayed pulmonary complications induced by sulfur mustard? Sardasht-Iran Cohort Study. *Int Immunopharmacol*, 2013. 17(3): p. 936-943.
149. Ghazanfari, T., et al., Long term impact of sulfur mustard exposure on peripheral blood mononuclear subpopulations--Sardasht-Iran Cohort Study (SICS). *Int Immunopharmacol*, 2013. 17(3): p. 931-5.
 150. Ghasemi, H., A. Mostafaie, R. Yaraee, Z.M. Hassan, A. Rezaei, M. Mahmoudi, S. Faghihzadeh, M.R. Soroush, S.K. Ardestani, M. Babaei, M. Jalali-Nadoushan, A. Khamesipour, M. Ghassemi-Broumand, and T. Ghazanfari, Association of serum immunoglobulins levels and eye injuries in sulfur mustard exposed: Sardasht-Iran Cohort Study. *Int Immunopharmacol*, 2013. 17(3): p. 944-951.
 151. Delbandi, A.A., M. Mahmoudi, A. Shervin, E. Akbari, M. Jeddi-Tehrani, M. Sankian, S. Kazemnejad, and A.H. Zarnani, Eutopic and ectopic stromal cells from patients with endometriosis exhibit differential invasive, adhesive, and proliferative behavior. *Fertil Steril*, 2013. 100(3): p. 761-769.
 152. Sahebari, M., Z. Rezaieyazdi, M.J. Nakhjavani, M. Hatef, M. Mahmoudi, and S. Akhlaghi, Correlation between serum concentrations of soluble Fas (CD95/Apo-1) and IL-18 in patients with systemic lupus erythematosus. *Rheumatol Int*, 2012. 32(3): p. 601-606.
 153. Roudsari, M.T., A.R. Bahrami, H. Dehghani, M. Iranshahi, M.M. Matin, and M. Mahmoudi, Bracken-fern extracts induce cell cycle arrest and apoptosis in certain cancer cell lines. *Asian Pacific Journal of Cancer Prevention*, 2012. 13(12): p. 6047-6053.
 154. Rastin, M., M.R. Hatef, N. Tabasi, and M. Mahmoudi, The pathway of estradiol-induced apoptosis in patients with systemic lupus erythematosus. *Clin Rheumatol*, 2012. 31(3): p. 417-424.
 155. Rafatpanah, H., A. Rezaee, M.M. Etemadi, R.F. Hosseini, B. Khorram, L. Afsahr, G. Taylor, N. Mokhber, M. Mahmoudi, M.R. Abbaszadegan, M. Foroghiyor, P. Hashemi, A. Amiri, M. Tehrani, A. Azarpazhooh, and M.R. Azarpazhooh, The impact of interferon-alpha treatment on clinical and immunovirological aspects of HTLV-1-associated myelopathy in northeast of Iran. *J Neuroimmunol*, 2012. 250(1-2): p. 87-93.
 156. Mirfeizi, Z., M. Mahmoudi, M. Naghibi, M. Hatef, F. Sharifipour, M. Jokar, A. Zeraati, Z. Shariati Sarabi, and A. Azarian, Urine Monocyte Chemoattractant Protein-1(UMCP-1) as a Biomarker of Renal Involvement in Systemic Lupus Erythematosus. *Iran J Basic Med Sci*, 2012. 15(6): p. 1191-5.
 157. Mashayekhi, V., M. Mahmoudi, M. Rastin, N. Tayebi, A.R. Taheri, and M. Tavakoli, Detection of Leishmania DNA in paraffin embedded specimens of chronic lupoid leishmaniasis using polymerase chain reaction. *Iranian Journal of Dermatology*, 2012. 15(61): p. 69-73.
 158. Haghighi, A., M. Mahmoudi, and H. Delgosha, Hormonal responses to two programs of exhaustive resistance training of different intensities in male body builders. *Iranian Journal of Endocrinology and Metabolism*, 2012. 14(3).
 159. Ghazanfari, T., S. Zamani Taghizadeh Rabe, R. Yaraee, and M. Mahmoudi, Study on anti-cancer effect of plant extract ACA-1 on gastric adenocarcinoma cell line. *Journal of Medicinal Plants*, 2012. 11(42): p. 154-162.
 160. Emami, S.A., S.Z.T. Rabe, A. Ahi, and M. Mahmoudi, Inhibitory activity of eleven Artemisia species from Iran against Leishmania major parasites. *Iran J Basic Med Sci*, 2012. 15(2): p. 807-811.
 161. Bahari, M.H., A. Azemi, M.M. Mirsalehi, M. Mahmoudi, and M. Khadime, Recognizing pathogenic antibodies in SLE using general regression neural networks. *International Journal of Innovative Computing, Information and Control*, 2012. 8(4): p. 2855-2864.
 162. Atabaki Pasdar, F., A. Khooei, A. Fazel, M. Mahmoudi, M.R. Nikraves, and M. Khaje Delui, Diagnostic value of lectins in differentiation of molar placentas. *Iran J Basic Med Sci*, 2012. 15(6): p. 1140-7.
 163. Vahedi, F., A.F. Talebi, E. Ghorbani, A.M. Behroozikhah, F. Shahriari Ahmadi, and M. Mahmoudi, Isolation, cloning and expression of the Brucella melitensis Omp31 gene. *Iranian Journal of Veterinary Research*, 2011. 12(2): p. 156-162.
 164. Taghizadeh Rabe, S.Z., M. Mahmoudi, A. Ahi, and S.A. Emami, Antiproliferative effects of extracts from Iranian Artemisia species on cancer cell lines. *Pharm Biol*, 2011. 49(9): p. 962-969.
 165. Sahebari, M., Z. Mahmoudi, S.Z.T. Rabe, D. Haghmorad, M.B. Mahmoudi, H. Hosseinzadeh, N. Tabasi, and M. Mahmoudi, Inhibitory effect of aqueous extract of Saffron (Crocus sativus L.) on adjuvant-induced arthritis in Wistar rat. *Pharmacologyonline*, 2011. 3: p. 802-808.
 166. Riahi, B., H. Rafatpanah, M. Mahmoudi, B. Memar, A. Fakhr, N. Tabasi, and G. Karimi, Evaluation of suppressive effects of paraquat on innate immunity in Balb/c mice. *J Immunotoxicol*, 2011. 8(1): p. 39-45.
 167. Keramati, M.R., M.H. Sadeghian, H. Ayatollahi, M. Mahmoudi, M. Khajedaluea, H. Tavasolian, and A. Borzouei, Peripheral blood lymphocyte subset counts in pre-menopausal women with iron-deficiency anaemia. *Malaysian Journal of Medical Sciences*, 2011. 18(1): p. 38-44.
 168. Hariri, A.T., S.A. Moallem, M. Mahmoudi, and H. Hosseinzadeh, The effect of crocin and safranal, constituents of saffron, against subacute effect of diazinon on hematological and genotoxicity indices in rats. *Phytomedicine*, 2011. 18(6): p. 499-504.
 169. Ghazanfari, T., S.Z.T. Rabe, N. Tabasi, and M. Mahmoudi, Study of cytotoxic and pro-apoptotic effect of medicinal mushroom Pleurotus florida in cancer cell lines. *Pharmacologyonline*, 2011. 3: p. 774-783.

170. Baharara, J., R. Mozayani, N. Mousavifar, A. Sheikha, M. Rastin, N. Tabasi, M. Eslami, A. Eslami, and M. Mahmoudi, Comparison of the percentages of peripheral blood CD4⁺ CD25⁺ T lymphocytes in recurrent abortion and normal pregnancy. *Journal of Kerman University of Medical Sciences*, 2011. 18(1): p. 16-27.
171. Vahedi, F., M.R. Jaafari, and M. Mahmoudi, The effect of cationic liposomes encapsulating pcDNA3.1+PA plasmids on humoral immune response in mice. *Iranian Journal of Immunology*, 2010. 7(4): p. 210-216.
172. Tabasi, N., A. Khajavi Rad, M. Mahmoudi, J. Bahar-Ara, M. Rastin, M. HossainPour Mashhadi, A. Shaikh, S. Zamanai Taghizadeh Rabe, A. Aghaei, and B.M. Ahadi, The effects of *Nigella sativa* ethanolic extract on proliferation and apoptosis of renal cell carcinoma ACHN cell line. *Journal of Shahrekord University of Medical Sciences*, 2010. 12(3): p. 7-14.
173. Sahebbari, M., M.R. Hatef, Z. Rezaieyazdi, M. Abbasi, B. Abbasi, and M. Mahmoudi, Correlation between serum levels of soluble fas (CD95/Apo-1) with disease activity in systemic lupus erythematosus patients in Khorasan, Iran. *Arch Iran Med*, 2010. 13(2): p. 135-142.
174. Sahebbari, M., M. Hatef, Z. Rezaieyazdi, M. Mahmoudi, M. Saghafi, and M. Abbasi, Correlation between Serum Levels of Soluble Fas (CD95/Apo-1) and Active Major Organ Damages in Systemic Lupus Erythematosus Patients. *Journal of Isfahan Medical School*, 2010. 27: p. 687-698.
175. Riahi, B., H. Rafatpanah, M. Mahmoudi, B. Memar, A. Brook, N. Tabasi, and G. Karimi, Immunotoxicity of paraquat after subacute exposure to mice. *Food and Chemical Toxicology*, 2010. 48(6): p. 1627-1631.
176. Pourjavad, M., S. Dadgar, M.T. Shakeri, and M. Mahmoudi, Evaluation of triple test results and determining the median of serum markers for early diagnosis of first-trimester congenital anomalies. *The Iranian Journal of Obstetrics, Gynecology and Infertility*, 2010. 13: p. 21-26.
177. Meibodi, N.T., Y. Nahidi, M. Mahmoudi, Z. Javidi, M. Rastin, A. Sheikh, and H.A. Esmaeeli, Evaluation of coexistence of the Human Herpesvirus type 8 (HHV-8) infection and pemphigus. *Int J Dermatol*, 2010. 49(7): p. 780-783.
178. Lashkardoost, H., B. Zeighami, M. Mahmoudi, J. Hassanzadeh, A. Hamed, H.R. Tabatabaee, F. Sameemanesh, and S.M. Kashfi, Assessment of Quanti FERON-TB Gold (in-tube) test in tuberculosis diagnosis. *Iranian Journal of Epidemiology*, 2010. 6(1): p. 26-32.
179. Hariri, A.T., S.A. Moallem, M. Mahmoudi, B. Memar, and H. Hosseinzadeh, Sub-acute effects of diazinon on biochemical indices and specific biomarkers in rats: Protective effects of crocin and safranal. *Food and Chemical Toxicology*, 2010. 48(10): p. 2803-2808.
180. Gholamin, M., O. Moaven, M. Farshchian, M.T. Rajabi-Mashhadi, M. Mahmoudi, M. Sankian, A. Sazegarnia, M. Ghahraman, and M.R. Abbaszadegan, Highly efficient transfection of dendritic cells derived from esophageal squamous cell carcinoma patient: Optimization with green fluorescent protein and validation with tumor RNA as a tool for immuno-genetherapy. *Iranian Journal of Biotechnology*, 2010. 8(2): p. 121-126.
181. Gholamin, M., O. Moaven, M. Farshchian, M. Mahmoudi, M. Sankian, B. Memar, M.N. Forghani, R. Malekzadeh, M.T. Rajabi-Mashhadi, and M.R. Abbaszadegan, Induction of cytotoxic T lymphocytes primed with Tumor RNA-loaded Dendritic Cells in esophageal squamous cell carcinoma: Preliminary step for DC vaccine design. *BMC Cancer*, 2010. 10.
182. Ghazanfari, T., S. Zamanai Taghizadeh Rabe, R. Yaraee, and M. Mahmoudi, The cytotoxic effects of fractions isolated from *Pleurotus Florida* body extract on cancer cell lines. *Urmia Medical Journal*, 2010. 29(1): p. 59-65.
183. Fereidouni, M., R.F. Hosseini, F.J. Azad, J. Schenkel, A. Varasteh, and M. Mahmoudi, Frequency of circulating iNKT cells among Iranian healthy adults. *Cytometry Part B - Clinical Cytometry*, 2010. 78(1): p. 65-69.
184. Fereidouni, M., F.J. Azad, M. Mahmoudi, A. Varasteh, and R.F. Hosseini, Comparison of two flow cytometric methods for detection of human Invariant natural killer T cells (iNKT). *Iranian Journal of Immunology*, 2010. 7(1): p. 1-7.
185. Farzadnia, M., N.T. Meibodi, F.H. Shandiz, M. Mahmoudi, M.M. Bahar, B. Memar, S. Amoian, F. Maroozi, and N. Moheghi, Evaluation of HER2/neu oncoprotein in serum and tissue samples of women with breast cancer: Correlation with clinicopathological parameters. *Breast*, 2010. 19(6): p. 489-492.
186. Emami, S.A., S.Z. Taghizadeh Rabe, M. Iranshahi, A. Ahi, and M. Mahmoudi, Sesquiterpene lactone fraction from *Artemisia khorassanica* inhibits inducible nitric oxide synthase and cyclooxygenase-2 expression through the inactivation of NF-kappaB. *Immunopharmacol Immunotoxicol*, 2010. 32(4): p. 688-95.
187. Emami, A., S.H. Zamani Taghizadeh Rabe, A. Ahi, and M. Mahmoudi, Study on toxic effects of *Artemisia* spp. fractions from Iran on human cancer cell lines. *Journal of Zanzjan University of Medical Sciences and Health Services*, 2010. 18(70): p. 58-67.
188. Emami, A., S. Zamani Taghizadeh Rabe, A. Ahi, and M. Mahmoudi, Cytotoxic effects of *Artemisia annua* methanol extract on cancer cell lines in vitro. *Journal of Kerman University of Medical Sciences*, 2010. 17(3): p. 215-225.

189. Emami, A., S. Zamanai Taghizadeh Rabe, A. Ahi, and M. Mahmoudi, The inhibitory effect of *Artemisia annua* extracts on gastric cancer cells via apoptosis induction. *Journal of Shahrekord University of Medical Sciences.*, 2010. 11(4): p. 1-10.
190. Bahreyni Toossi, M.T., S. Soleymanifard, M. Mahmoudi, and A. Sazgarnia, Demonstration of radiation-induced bystander effect in a human lung cancer cell line. *International Journal of Low Radiation*, 2010. 7(4): p. 298-305.
191. Bahari, M.H., M. Mahmoudi, A. Azemi, M.M. Mirsalehi, and M. Khademi, Early diagnosis of systemic lupus erythematosis using ANN models of dsDNA binding antibody sequence data. *Bioinformation*, 2010. 5(2): p. 58-61.
192. Abbasi, J.M., M. Rastin, Z. Rezaieyazdi, Z. Mirfeizi, S.M. Moazzeni, N. Tabasi, A. Brook, and M. Mahmoudi, Calcitonin gene-related peptide effects on phenotype and IL-12 production of monocyte-derived dendritic cells in rheumatoid arthritis patients. *Iran J Basic Med Sci*, 2010. 13(4): p. 161-169.
193. Yaraee, R., T. Ghazanfari, M. Ebtekar, S.K. Ardestani, A. Rezaei, A. Kariminia, S. Faghihzadeh, A. Mostafaie, M.R. Vaez-Mahdavi, M. Mahmoudi, M.M. Naghizadeh, M.R. Soroush, and Z.M. Hassan, Alterations in serum levels of inflammatory cytokines (TNF, IL-1alpha, IL-1beta and IL-1Ra) 20 years after sulfur mustard exposure: Sardasht-Iran cohort study. *Int Immunopharmacol*, 2009. 9(13-14): p. 1466-1470.
194. Vakili, R., M. Vahedian, G.H. Khodaei, and M. Mahmoudi, Effects of zinc supplementation in occurrence and duration of common cold in school aged children during cold season: A double-blind placebo-controlled Trial. *Iranian Journal of Pediatrics*, 2009. 19(4): p. 376-380.
195. Vahedi, F., M. Sankian, and M. Mahmoudi, Functional expression of bacillus anthracis protective antigen in *E. coli*. *Appl Biochem Biotechnol*, 2009. 157(3): p. 554-561.
196. Vahedi, F., G.M. Jula, M. Kianizadeh, and M. Mahmoudi, Characterization of *Bacillus anthracis* spores isolates from soil by biochemical and multiplex PCR analysis. *Eastern Mediterranean Health Journal*, 2009. 15(1): p. 149-156.
197. Tayebi Meybodi, N., Z. Javidi, M. Mahmoudi, M. Maleki, Y. Nahidi, M. Afzalaghaeei, B. Safaee, and M. Ebrahimi Rad, Evaluation of Subtypes of Peripheral Blood Lymphocytes in Patients with Vitiligo. *Medical Journal of Mashhad University of Medical Sciences*, 2009. 52: p. 198-202.
198. Mousavi, S.A., S. Zamanai Taghizadeh Rabe, Z. Siadat, and M. Mahmoudi, Study the anti-inflammatory effect of Rose Bengal in LPS-activated macrophages in dark. *Journal of Birjand University of Medical Sciences.*, 2009. 16: p. 10-17.
199. Mashayekhi, V., N. Tayebi Meybodi, M. Mahmoudi, K. Ghazvini, and M. Mozooni, Investigation for *Mycobacterium* in Cases of Granuloma. *Medical Journal of Mashhad University of Medical Sciences*, 2009. 52: p. 151-156.
200. Mahmoudi, M., S. Zamanai Taghizadeh Rabe, A. Ahi, and S.A. Emami, Evaluation of the Cytotoxic Activity of Different *Artemisia Khorasanica* Samples on Cancer Cell Lines. *Pharmacologyonline*, 2009. 2: p. 778-786.
201. Khooei, A., M. Mahmoudi, M. Farzadnia, and M. Sedaghat, Association of HTLV-1 Genome with Cervicovaginal cancers. *Journal of Iran University of Medical Sciences.*, 2009. 15: p. 63-70.
202. Kchour, G., M. Tarhini, M.M. Kooshyar, H. El Hajj, E. Wattel, M. Mahmoudi, H. Hatoum, H. Rahimi, M. Maleki, H. Rafatpanah, S.A.R. Rezaee, M.T. Yazdi, A. Shirdel, H. De Thé, O. Hermine, R. Farid, and A. Bazarbachi, Phase 2 study of the efficacy and safety of the combination of arsenic trioxide, interferon alpha, and zidovudine in newly diagnosed chronic adult T-cell leukemia/lymphoma (ATL). *Blood*, 2009. 113(26): p. 6528-6532.
203. Haghshenas, M.R., S.V. Hosseini, M. Mahmoudi, M. Saberi-Firozi, S. Farjadian, and A. Ghaderi, IL-18 serum level and IL-18 promoter gene polymorphism in Iranian patients with gastrointestinal cancers. *Journal of Gastroenterology and Hepatology (Australia)*, 2009. 24(6): p. 1119-1122.
204. Ghazanfari, T., et al., Sardasht-Iran cohort study of chemical warfare victims: Design and methods. *Arch Iran Med*, 2009. 12(1): p. 5-14.
205. Emami, S.A., S.Z.T. Rabe, A. Ahi, M. Mahmoudi, and N. Tabasi, Study the cytotoxic and pro-apoptotic activity of *Artemisia annua* extracts. *Pharmacologyonline*, 2009. 3: p. 1062-1069.
206. Delfan Biranvand, M., M. Mahmoudi, M. Rastin, and A. Sheykhan, PADI-4 Gene polymorphism in patient with Rheumatoid arthritis referring to Imam Reza Hospital in Mashhad. *Arak Medical University Journal*, 2009. 12(1): p. 41-47.
207. Vahedi, F., J. Kyd, G. Moazeni Jula, M. Afzalaghaeei, M. Kianizadeh, and M. Mahmoudi, A DNA vaccine candidate for *B. anthracis* immunization, pcDNA3.1+PA plasmid, induce Th1/Th2 mixed responses and protection in mice. *World Journal of Microbiology and Biotechnology*, 2008. 24(10): p. 2171-2178.
208. Meshkat, Z., H. Soleimanjahi, M. Mahmoudi, Z.M. Hassan, H. Mirshahabi, M. Meshkat, and M. Kheirandish, CTL responses to a DNA vaccine encoding E7 gene of human papillomavirus type 16 from an Iranian isolate. *Iranian Journal of Immunology*, 2008. 5(2): p. 82-91.

209. Emami, A., M. Mahmoudi, S. Zamanai Taghizadeh Rabe, and A. Ahi, Assessment of in vivo leishmanicidal effect of *Artemisia* spp. Native to Khorasan Razavi province. *Scientific Journal of Kurdistan University of Medical Sciences.*, 2008. 13: p. 15-20.
210. Abbaszadegan, M.R., N. Jafarzadeh, M. Sankian, A. Varasteh, M. Mahmoudi, M. Sadeghizadeh, F. Khatami, and N. Mehramiz, Truncated MTA-1: A pitfall in ELISA-based immunoassay of HTLV-1 infection. *Journal of Biomedicine and Biotechnology*, 2008. 2008(1).
211. Varasteh, A.R., F. Vahedi, M. Sankian, H. Kaghazian, S. Tavallaie, A. Abolhassani, T. Kermani, and M. Mahmoudi, Specific IgG antibodies (total and subclasses) against saffron pollen: A study of their correlation with specific IgE and immediate skin reactions. *Iranian Journal of Allergy, Asthma and Immunology*, 2007. 6(4): p. 189-195.
212. Sharify, A., M. Mahmoudi, M.H. Izad, M.J. Hosseini, and M. Sharify, Effect of acute pain on splenic NK cell activity, lymphocyte proliferation and cytokine production activities. *Immunopharmacol Immunotoxicol*, 2007. 29(3-4): p. 465-476.
213. Rastin, M., M.R. Hatef, N. Tabasi, A. Sheikh, J.M. Abbasi, and M. Mahmoudi, Sex hormones and peripheral white blood cell subsets in systemic lupus erythematosus patients. *Iranian Journal of Immunology*, 2007. 4(2): p. 110-115.
214. Mohajeri, M., A.A. Shamsian, and M. Mahmoudi, Tc1 cells percentage in patients with cutaneous leishmaniasis before and after treatment with glucantime. *Iranian Journal of Public Health.*, 2007. 36: p. 55-61.
215. Mirsadraee, M., M.R. Kalantari, A. Saffari, and M. Mahmoudi, Association of HTLV1 infection and esophageal squamous cell carcinoma. *J Gastrointest Cancer*, 2007. 38(1): p. 15-18.
216. Meshkat, Z., H. Soleimanjahi, M. Mahmoudi, H. Mirshahabi, Z.M. Hassan, S.R. Ghaffari, and T. Sabokbar, Determination of human papillomavirus type 16 genotype and construction of cloning vector pTZ57R encoding HPV16 E7 gene. *Saudi Med J*, 2007. 28(10): p. 1511-1515.
217. Mahmoudi, M. and E. Vahedi, Comparison of immunity against rubella before and after measles-rubella vaccination in 15-23 year-old women. *Medical Journal of Mashhad University of Medical Sciences*, 2007. 50: p. 177-186.
218. Mahmoudi, M., A. Khooei, M. Farzadnia, and M. Rastin, Establishment of a PCR technique for determination of HTLV-1 infection in paraffin-embedded tissues. *Journal of Shaheed Sadoughi University of Medical Sciences and Health Services.*, 2007. 15: p. 85-93.
219. Keramati, M.R., Z. Siadat, and M. Mahmoudi, The correlation between *H. pylori* infection with serum ferritin concentration and iron deficiency anemia. *International Journal of Hematology and Oncology*, 2007. 17: p. 16-20.
220. Keramati, M.R. and M. Mahmoudi, Risk factors for helicobacter pylori infection and correlation of ABO blood groups with this infection. *Medical Journal of Mashhad University of Medical Sciences*, 2007. 49: p. 379-386.
221. Kchour, G., N.J. Makhoul, M. Mahmoudi, M.M. Kooshyar, A. Shirdel, M. Rastin, H. Rafatpanah, M. Tarhini, P.A. Zalloua, O. Hermine, R. Farid, and A. Bazarbachi, Zidovudine and interferon-alpha treatment induces a high response rate and reduces HTLV-1 proviral load and VEGF plasma levels in patients with adult T-cell leukemia from North East Iran. *Leuk Lymphoma*, 2007. 48(2): p. 330-6.
222. Farid Hosseini, R., F. Jabbari Azad, A. Talaei, S. Miri, N. Mokhber, F. Farid Hosseini, H. Esmaeili, M. Mahmoudi, H. Rafatpanah, and M. Mohammadi, Assessment of the immune system activity in Iranian patients with Major Depression Disorder (MDD). *Iran J Immunol*, 2007. 4(1): p. 38-43.
223. Tayebi Meybodi, N., S. Amoian, M. Farzadnia, B. Memar, M. Mahmoudi, M. Mozouni, and Z. Erfanian, Clinical and laboratory evaluation in 17 cases of macroprolactenemia identified by polyethylene glycol precipitation test. *Ofogh-e Danesh*, 2006. 12: p. 5-9.
224. Sazegarnia, A., A. Khooei, M.H. Bahreyni Toossi, M. Mahmoudi, and R. Faizi, In vitro and in vivo studies on enhanced effect of electrical pulses in photodynamic therapy with 5ALA. *Iranian Journal of Medical Physics*, 2006. 3: p. 37-50.
225. Pishdadian, A., J. Tavakoli Afshari, M. Mahmoudi, M. Foroughi Poor, S.A. Moallem, S.R. Shahami, M.A. Fahmideh Kar, and A. Zamani, Detection of the soluble form of the Fas/Apo-1 receptor in patients with human T-lymphocyte virus type1 associated myelopathy. *Iran J Basic Med Sci*, 2006. 9: p. 144-152.
226. Mohajeri, M., A.A. Shamsian, M.T. Shakeri, M. Raesolmohadesin, and M. Mahmoudi, Role of TCD4+ cells and their cytokines in response to treatment in cutaneous leishmaniasis. *Medical Journal of Mashhad University of Medical Sciences*, 2006. 48: p. 379-386.
227. Mohajeri, M., A.A. Shamsian, M.T. Shakeri, H.R. Bidkhori, and M. Mahmoudi, NK cells in cutaneous leishmaniasis and their response to medical treatment. *Iran J Basic Med Sci*, 2006. 9: p. 187-192.
228. Mahmoudi, M., A. Sazegarnia, M.H. Bahreyni Toossi, R. Faizi, and A.R. Hashemian, An in vitro study on the electrical activation of photosensitizers in the improvement of photodynamic treatments. *Iranian Journal of Medical Physics*, 2006. 3: p. 61-71.

229. Hefazi, M., M. Maleki, M. Mahmoudi, A. Tabatabaee, and M. Balali-Mood, Delayed complications of sulfur mustard poisoning in the skin and the immune system of Iranian veterans 16-20 years after exposure. *Int J Dermatol*, 2006. 45(9): p. 1025-1031.
230. Etezad-Razavi, M., M. Mahmoudi, M. Hefazi, and M. Balali-Mood, Delayed ocular complications of mustard gas poisoning and the relationship with respiratory and cutaneous complications. *Clinical and Experimental Ophthalmology*, 2006. 34(4): p. 342-346.
231. Banaee, T., M. Abrishami, R. Daneshvar-Kakhki, S. Zarei-Ghanavati, and M. Mahmoudi, Chlamydia pneumonia and proliferative diabetic retinopathy: Serologic evidences in a pilot study. *Iranian Journal of Ophthalmology*, 2006. 19: p. 19-28.
232. Varasteh, A., F. Vahedi, M. Sankian, H. Kaghazian, S. Tavallaie, F.G. Shirazi, M. Arefi, and M. Mahmoudi, Development of an indirect ELISA for detection of specific IgG subclass for saffron pollen allergens. *Iran J Basic Med Sci*, 2005. 8: p. 55-59.
233. Vahedi, F., M. Kianizadeh, N. Taiebi Meibody, and M. Mahmoudi, Construction of a eukaryotic plasmid encoding *Bacillus anthracis* protective antigen, a candidate for DNA vaccine. *Iran J Immunol*, 2005. 2: p. 134-140.
234. Taherzadeh, M., M. Mirsalehi, M. Khademi, M. Mahmoudi, M. Naghibi, and A. Azemi, Application of genetic algorithm and multilayer perceptron in prediction of effective structures of autoantibodies binding. *Amirkabir Journal of Science and Technology*, 2005. 15: p. 1-10.
235. Sankian, M., A. Varasteh, N. Pazouki, and M. Mahmoudi, Sequence homology: A poor predictive value for profilins cross-reactivity. *Clinical and Molecular Allergy*, 2005. 3.
236. Sabouri, A.H., M. Saito, K. Usuku, S.N. Bajestan, M. Mahmoudi, M. Foroughipour, Z. Sabouri, Z. Abbaspour, M. Goharjoo, E. Khayami, A. Hasani, S. Izumo, K. Arimura, R. Farid, and M. Osame, Differences in viral and host genetic risk factors for development of human T-cell lymphotropic virus type 1 (HTLV-1)-associated myelopathy/tropical spastic paraparesis between Iranian and Japanese HTLV-1-infected individuals. *Journal of General Virology*, 2005. 86(3): p. 773-781.
237. Mahmoudi, M., M. Rastin, and A. Khooei, Detection of HHV-8 and HTLV-1 sequences in Kaposi's sarcoma. *Iran J Basic Med Sci*, 2005. 8: p. 119-124.
238. Mahmoudi, M., M. Hefazi, M. Rastin, and M. Balali-Mood, Long-term hematological and immunological complications of sulfur mustard poisoning in Iranian veterans. *Int Immunopharmacol*, 2005. 5(9): p. 1479-1485.
239. Hefazi, M., D. Attaran, M. Mahmoudi, and M. Balali-Mood, Late respiratory complications of mustard gas poisoning in Iranian veterans. *Inhal Toxicol*, 2005. 17(11): p. 587-592.
240. Balali-Mood, M., M. Hefazi, M. Mahmoudi, I. Jalali, D. Attaran, M. Maleki, M.R. Etezad-Razavi, G. Zare, M.R. Jaafari, and A. Tabatabaee, Evaluation of delayed toxic effects of sulfur mustard poisoning in severely intoxicated Iranian veterans: A cross-sectional study. *JMedCBRDef.*, 2005. 3: p. 1-32.
241. Balali-Mood, M., M. Hefazi, M. Mahmoudi, E. Jalali, D. Attaran, M. Maleki, M.E. Razavi, G. Zare, A. Tabatabaee, and M.R. Jaafari, Long-term complications of sulphur mustard poisoning in severely intoxicated Iranian veterans. *Fundamental and Clinical Pharmacology*, 2005. 19(6): p. 713-721.
242. Vakili, R., M. Mahmoudi, and A. Ghasemi, Prevalence of thyroid autoantibodies in diabetic children and adolescents in Mashhad. *Iranian Journal of Diabetes and Lipid Disorders*, 2004. 3: p. 7-11.
243. Sankian, M., A. Varasteh, N. Esmail, M. Moghadam, R. Pishnamaz, and M. Mahmoudi, Melon allergy and allergenic cross reactivity of melon with other allergens. *Iran J Basic Med Sci*, 2004. 6: p. 323-330.
244. Mahmoudi, M., A. Khooei, M. Farzadnia, and M. Rastin, Detection of HTLV-1 genome in primary gastrointestinal lymphomas: A study on 22 years (1981- 2003) pathology archive biopsy specimens in Imam Reza Hospital, Mashhad, Iran. *Iran J Basic Med Sci*, 2004. 7: p. 175-181.
245. Mahmoudi, M., M. Khademi, M. Mirsalehi, M. Taherzadeh, A. Azemi, and M.B. Naghibi, Determination of effective structures of antibodies in binding to DNA using artificial neural networks. *Iran J Basic Med Sci*, 2004. 6: p. 315-322.
246. Khooei, A., M. Mahmoudi, and M. Farzadnia, Primary gastrointestinal lymphomas: A pathologic study with cell typing. *Medical Journal of Mashhad University of Medical Sciences*, 2004. 47: p. 11-18.
247. Bahreyni Toossi, M.H., A. Sazegarnia, and M. Mahmoudi, Establishment and behavioral study of an in vivo tumor model in Balb/c mice for experimental cancer studies. *Iran J Basic Med Sci*, 2004. 6: p. 267-271.
248. Mahmoudi, M., S. Sarveghad, B. Behnava, M. Ahmadzadeh, and M. Ebrahimi, Evaluation of primary and secondary failures of measles vaccination in 15-19 years old individuals in Mashhad. *Medical Journal of Mashhad University of Medical Sciences*, 2003. 46: p. 5-9.
249. Varasteh, A., M. Saghaei, H. Baradaran, M. Mahmoudi, A. Rezaie, M. Talaei, and F. Rahimzadeh, Isolation of extractable nuclear antigens (ENA) to design ENA-DID kits and determine its validity by evaluating of systemic rheumatoid disease. *Iran J Basic Med Sci*, 2001. 3: p. 155-164.
250. Mahmoudi, M., S. Rezaie, M. Rastin, S. Mazloom, and R. Rezaiefard, Evaluation of ramadan fasting effects on lymphocytic subpopulations in a two year study. *Iran J Basic Med Sci*, 2001. 3: p. 147-154.

251. Farid Hosseini, F., R. Pishnamaz, R. Farid Hosseini, M.R. Abbaszadegan, M. Mahmoudi, and M. Rastin, Expression of interleukin-2R α chain (CD25) on peripheral blood lymphocytes in HTLV-1 associated myelopathy / tropical spastic paraparesis patients. *Arch Iran Med*, 2001. 4: p. 183-187.
252. Bijeh, N., F. Nazem, J. Tavakoli Afshari, A. Nejat Shokoochi, M. Mahmoudi, and M. Rastin, The effect of eccentric exercise patterns on immune system parameters of female athletes. *Iran J Basic Med Sci*, 2000. 3: p. 13-19.
253. Mahmoudi, M., J.Y. Edwards, D.A. Bell, and E. Cairns, V region gene analysis of human IgM hybridoma monoclonal anti-Sm antibodies. *Lupus*, 1997. 6(7): p. 578-589.
254. Sawchuk, D.J., M. Mahmoudi, E. Cairns, and N.R. Sinclair, Nonsynonymous mutations in an Fc-receptor structural gene in NZB mice. *Immunogenetics*, 1996. 43(1-2): p. 112-3.
255. Mahmoudi, M., G.A. Denomme, J.Y. Edwards, D.A. Bell, and E. Cairns, The role of the immunoglobulin heavy chain in human anti-DNA antibody binding specificity. *Arthritis Rheum*, 1995. 38(3): p. 389-395.
256. Mahmoudi, M., D.A. Bell, and E. Cairns, The importance of the diversity region YYGS motif in anti-DNA antibody binding to DNA. *Ann N Y Acad Sci*, 1995. 764: p. 424-6.
257. Denomme, G.A., M. Mahmoudi, E. Cairns, and D.A. Bell, Immunoglobulin V region sequences of two human antiplatelet monoclonal autoantibodies derived from B cells of normal origin. *J Autoimmun*, 1994. 7(4): p. 521-535.
258. Denomme, G.A., M. Mahmoudi, J.Y. Edwards, H. Massicotte, E. Cairns, and D.A. Bell, Immunoglobulin V region heavy and light chain gene sequences of the lymphoblastoid cell line GM 4672. *Hum Antibodies Hybridomas*, 1993. 4(3): p. 98-103.

Books and chapters in books:

Immunological and Hematological Complications of Sulfur Mustard Poisoning

Riahi-Zanjani B and Mahmoudi M

In "Basic and Clinical Toxicology of Mustard Compounds" edited by Balali-Mood M and Abdollahi M . Springer International Publishing, (2015)

Basic Immunology: The Functions of the Immune System. (2nd Ed.)

Translated by Farid Hosseini R, **Mahmoudi M**, Assarezadegan MA.

Jahad-e Daneshgahi Publication, Mashhad, Iran. (2006)

Clinical Virology

Translated by Vahedi E, Moradi A, **Mahmoudi M**.

Mashhad University of Medical Sciences, Mashhad, Iran. (2005)

Mad Cow Crisis; Nightmare or Reality.

Edited by **Mahmoudi M** & Rezaie SA.

Astan-e Ghods Razavi Publication, Mashhad, Iran. (2001)

Cellular and Molecular Immunology (4th Ed.)

Translated by Farid Hosseini R, **Mahmoudi M**, Rezaie SA.

Jahad-e Daneshgahi Publication, Mashhad, Iran. (2001)

Basic Immunology. Edited by Farid R.

Tumor Immunology; Chapter 23, pages: 673-710 by **Mahmoudi M**

Astan-e Ghods Razavi Publication, Mashhad, Iran. (2000)