

Updated: May 2013

[1-160]

1. Hashemi SM, Hassan ZM, Pourfathollah AA, Soudi S, Shafiee A, Soleimani M. In vitro immunomodulatory properties of osteogenic and adipogenic differentiated mesenchymal stem cells isolated from three inbred mouse strains. *Biotechnology Letters*. 2013; 35(1): 135-42.
2. Teymournejad O, Mobarez AM, Hassan ZM, Moazzeni SM, Yakhchali B, Eskandari V. In silico prediction of exposure amino acid sequences of outer inflammatory protein A of Helicobacter pylori for surface display on Escherichia coli. *Indian Journal of Human Genetics*. 2012; 18(1): 83-6.
3. Sirousazar M, Kokabi M, Hassan ZM, Bahramian AR. Polyvinyl alcohol/Na-montmorillonite nanocomposite hydrogels prepared by freezing-thawing method: Structural, mechanical, thermal, and swelling properties. *Journal of Macromolecular Science, Part B: Physics*. 2012; 51(7): 1335-50.
4. Sirousazar M, Kokabi M, Hassan ZM, Bahramian AR. Mineral kaolinite clay for preparation of nanocomposite hydrogels. *Journal of Applied Polymer Science*. 2012; 125(SUPPL. 1): E122-E30.
5. Sirousazar M, Kokabi M, Hassan ZM, Bahramian AR. Nanoporous nanocomposite hydrogels composed of polyvinyl alcohol and Na-montmorillonite. *Journal of Macromolecular Science, Part B: Physics*. 2012; 51(8): 1583-95.
6. Sirousazar M, Kokabi M, Hassan ZM. Swelling behavior and structural characteristics of polyvinyl alcohol/montmorillonite nanocomposite hydrogels. *Journal of Applied Polymer Science*. 2012; 123(1): 50-8.
7. Sirousazar M, Kokabi M, Bahramian AR, Hassan ZM. PVA/kaolinite nanocomposite hydrogels: Preparation method and characterization. 2012. p. 3854-7.
8. Shankayi Z, Firoozabadi SM, Hassan ZM. Comparison of low voltage amplitude electrochemotherapy with 1 Hz and 5 kHz frequency in volume reduction of mouse mammary tumor in Balb/c mice. *Koomesh*. 2012; 13(4): 486-90.

9. Pandamooz S, Hadipour A, Akhavan-Niaki H, Pourghasem M, Abedian Z, Ardekani AM, et al. Short exposure to collagenase and coculture with mouse embryonic pancreas improve human dermal fibroblast culture. *Biotechnology and Applied Biochemistry*. 2012; 59(3): 254-61.
10. Noori S, Hassan ZM. Tehranolide inhibits proliferation of MCF-7 human breast cancer cells by inducing G0/G1 arrest and apoptosis. *Free Radical Biology and Medicine*. 2012; 52(9): 1987-99.
11. Mirshahabi H, Soleimanjahi H, Pourpak Z, Meshkat Z, Hassan ZM. Production of human Papilloma virus type 16 E6 oncoprotein as a recombinant protein in eukaryotic cells. *Iranian Journal of Cancer Prevention*. 2012; 5(1): 16-20.
12. Maroufi Y, Ghaffarifar F, Dalimi AA, Sharifi Z, Hassan Z. Cantharidin-induced apoptosis in Leishmania major promastigotes and macrophages infected by Leishmania major amastigotes in vitro. *Journal of Mazandaran University of Medical Sciences*. 2012; 22(89): 32-40.
13. Khosroshahi KH, Ghaffarifar F, Sharifi Z, D'Souza S, Dalimi A, Hassan ZM, et al. Comparing the effect of IL-12 genetic adjuvant and alum non-genetic adjuvant on the efficiency of the cocktail DNA vaccine containing plasmids encoding SAG-1 and ROP-2 of Toxoplasma gondii. *Parasitology Research*. 2012; 111(1): 403-11.
14. Jamali A, Soleimanjahi H, Moin M, Mahdavi M, Hashemi H, Sabahi F, et al. Withdrawal from morphine reduces cell-mediated immunity against herpes simplex virus generated by natural immunization. *NeuroImmunoModulation*. 2012; 19(4): 229-34.
15. Holakuyee M, Mandavi M, Hassan ZM, Abolhassani M. Heat shock proteins enriched-promastigotes of leishmania major inducing Th2 immune response in BALB/c Mice. *Iranian Biomedical Journal*. 2012; 16(4).
16. Ghasemi H, Ghazanfari T, Yaraee R, Rafii AB, Pourfarzam S, Soroush MR, et al. Long-term ocular consequences of sulfur mustard in lung-injured war veterans. *Cutaneous and Ocular Toxicology*. 2012; 31(1): 33-7.
17. Ghasemi H, Ghazanfari T, Yaraee R, Owlia P, Hassan ZM, Faghizadeh S. Roles of IL-10 in ocular inflammations: A review. *Ocular Immunology and Inflammation*. 2012; 20(6): 406-18.
18. Ghaffarifar F, Tabatabaei F, Sharifi Z, Dalimiasl A, Hassan MZ, Mahdavi M. Cloning of a recombinant plasmid encoding thiol-specific antioxidant antigen (TSA) gene of Leishmania major and expression in the Chinese hamster ovary cell line. *Malaysian Journal of Medical Sciences*. 2012; 19(1): 15-9.
19. Esmaeilzadeh AR, Ebtekar M, Biglari AR, Hassan ZM. Induction of allogeneic subcutaneous glioma tumor with GL 26 cell line in Balb/c mice. *Journal of Zanjan University of Medical Sciences and Health Services*. 2012; 20(78).
20. Babaei E, Sadeghizadeh M, Hassan ZM, Feizi MAH, Najafi F, Hashemi SM. Dendrosomal curcumin significantly suppresses cancer cell proliferation in vitro and in vivo. *International Immunopharmacology*. 2012; 12(1): 226-34.
21. Zare A, Hajhashemi M, Hassan ZM, Zarrin S, Pourpak Z, Moin M, et al. Effect of Ramadan fasting on serum heat shock protein 70 and serum lipid profile. *Singapore Medical Journal*. 2011; 52(7): 491-5.
22. Sirousazar M, Kokabi M, Hassan ZM, Bahramian AR. Dehydration kinetics of polyvinyl alcohol nanocomposite hydrogels containing Na-montmorillonite nanoclay.

- Scientia Iranica. 2011; 18(3 F): 780-4.
23. Sirousazar M, Kokabi M, Hassan ZM. In vivo and cytotoxic assays of a poly(vinyl alcohol)/clay nanocomposite hydrogel wound dressing. *Journal of Biomaterials Science, Polymer Edition*. 2011; 22(8): 1023-33.
24. Rezaei B, Majidi N, Noori S, Hassan ZM. Multiwalled carbon nanotubes effect on the bioavailability of artemisinin and its cytotoxicity to cancerous cells. *Journal of Nanoparticle Research*. 2011; 13(12): 6339-46.
25. Pakravan N, Hassan ZM. Comparison of adjuvant activity of N- and C-terminal domain of gp96 in a Her2-positive breast cancer model. *Cell Stress and Chaperones*. 2011; 16(4): 449-57.
26. Pakravan N, Hashemi SM, Hassan ZM. Adjuvant activity of GP96 C-terminal domain towards Her2/neu DNA vaccine is fusion direction-dependent. *Cell Stress and Chaperones*. 2011; 16(1): 41-8.
27. Noroozinia F, Behjati G, Shahabi S, Islamlo HF, Hassan ZM, Ilkhanizadeh B. Fractal study on nuclear boundary of cancer cells in urinary smears. *Iranian Journal of Pathology*. 2011; 6(2): 63-7.
28. Noori S, Hassan ZM. Dihydroartemisinin shift the immune response towards Th1, inhibit the tumor growth in vitro and in vivo. *Cellular Immunology*. 2011; 271(1): 67-72.
29. Meshkat Z, Soleimanjahi H, Mirshahabi H, Meshkat M, Kheirandish M, Hassan ZM. Strong immune responses induced by a DNA vaccine containing HPV16 truncated E7 C-terminal linked to HSP70 gene. *Iranian Journal of Immunology*. 2011; 8(2): 65-75.
30. Mahdavi M, Ebtekar M, Khorram Khorshid HR, Azadmanesh K, Hartoonian C, Hassan ZM. ELISPOT analysis of a new CTL based DNA vaccine for HIV-1 using GM-CSF in DNA prime/peptide boost strategy: GM-CSF induced long-lived memory responses. *Immunology Letters*. 2011; 140(1-2): 14-20.
31. Hasanzadeh H, Mokhtari-Dizaji M, Zahra Bathaie S, Hassan ZM, Nilchiani V, Goudarzi H. Enhancement and control of acoustic cavitation yield by low-level dual frequency sonication: A subharmonic analysis. *Ultrasonics Sonochemistry*. 2011; 18(1): 394-400.
32. Hasanzadeh H, Mokhtari-Dizaji M, Zahra Bathaie S, Hassan ZM. Effect of local dual frequency sonication on drug distribution from polymeric nanomicelles. *Ultrasonics Sonochemistry*. 2011; 18(5): 1165-71.
33. Ghasemi H, Ghazanfari T, Yaraee R, Faghihzadeh S, Hassan ZM. Roles of IL-8 in ocular inflammations: A review. *Ocular Immunology and Inflammation*. 2011; 19(6): 401-12.
34. Ghaemi A, Soleimanjahi H, Gill P, Hassan ZM, Razeghi S, Fazeli M, et al. Protection of mice by a  $\lambda$ -based therapeutic vaccine against cancer associated with human papillomavirus type 16. *Intervirology*. 2011; 54(3): 105-12.
35. Farsam V, Hassan ZM, Zavarani-Hosseini A, Noori S, Mahdavi M, Ranjbar M. Antitumor and immunomodulatory properties of artemether and its ability to reduce CD4 + CD25 + FoxP3 + T reg cells in vivo. *International Immunopharmacology*. 2011; 11(11): 1802-8.
36. Daneshmandi S, Hajimoradi M, Ahmadabad HN, Hassan ZM, Roudbary M, Ghazanfari T. Effect of 14-kDa and 47-kDa protein molecules of aged garlic extract on peritoneal macrophages. *Immunopharmacology and Immunotoxicology*. 2011; 33(1):

21-7.

37. Bargahi A, Hassan ZM, Rabbani A, Langroudi L, Noori SH, Safari E. Effect of shark cartilage derived protein on the NK cells activity. *Immunopharmacology and Immunotoxicology*. 2011; 33(3): 403-9.
38. Ahmadabad HN, Hassan ZM, Safari E, Bozorgmehr M, Ghazanfari T, Moazzeni SM. Evaluation of the immunomodulatory effect of the 14kDa protein isolated from aged garlic extract on dendritic cells. *Cellular Immunology*. 2011; 269(2): 90-5.
39. Yazdi MH, Soltan Dallal MM, Hassan ZM, Holakuyee M, Agha Amiri S, Abolhassani M, et al. Oral administration of *Lactobacillus acidophilus* induces IL-12 production in spleen cell culture of BALB/c mice bearing transplanted breast tumour. *British Journal of Nutrition*. 2010; 104(2): 227-32.
40. Soltan Dallal MM, Yazdi MH, Hassan ZM, Holakuyee M, Abedi Mohtasab TP, Aminharaty F, et al. Effect of oral administration of *lactobacillus acidophilus* on the immune responses and survival of BALB/c mice bearing human breast cancer. *Tehran University Medical Journal*. 2010; 67(11): 753-8.
41. Soltan Dallal MM, Yazdi MH, Hassan ZM, Holakuyee M, Abedi Mohtasab TP, Aminharaty F, et al. The evaluation of probiotic effect of *L.acidophilus* on the immune responses in BALB/C mice against transplanted tumor derived from breast tissue. *Journal of Zanjan University of Medical Sciences and Health Services*. 2010; 18(73): 37-48.
42. Sohrabi N, Hassan ZM, Khosravi AR, Tebianian M, Mahdavi M, Tootian Z, et al. Invasive aspergillosis promotes tumor growth and severity in a tumor-bearing mouse model. *Canadian Journal of Microbiology*. 2010; 56(9): 771-6.
43. Raeisi E, Firoozabadi SMP, Hajizadeh S, Rajabi H, Hassan ZM. The effect of high-frequency electric pulses on tumor blood flow in vivo. *Journal of Membrane Biology*. 2010; 236(1): 163-6.
44. Piroozmand A, Hassan ZM. Evaluation of natural killer cell activity in pre and post treated breast cancer patients. *Journal of Cancer Research and Therapeutics*. 2010; 6(4): 478-81.
45. Parsania M, Bamdad T, Hassan ZM, Kheirandish M, Pouriayevali MH, Sari RD, et al. Evaluation of apoptotic and anti-apoptotic genes on efficacy of DNA vaccine encoding glycoprotein B of Herpes Simplex Virus type 1. *Immunology Letters*. 2010; 128(2): 137-42.
46. Pakravan N, Soudi S, Hassan ZM. N-terminally fusion of Her2/neu to HSP70 decreases efficiency of Her2/neu DNA vaccine. *Cell Stress and Chaperones*. 2010; 15(5): 631-8.
47. Pakravan N, Soleimanjahi H, Hassan ZM. GP96 C-terminal improves Her2/neu DNA vaccine. *Journal of Gene Medicine*. 2010; 12(4): 345-53.
48. Pakravan N, Langroudi L, Hajimoradi M, Hassan ZM. Co-administration of GP96 and Her2/neu DNA vaccine in a Her2 breast cancer model. *Cell Stress and Chaperones*. 2010; 15(6): 977-84.
49. Noori S, Taghikhani M, Hassan ZM, Allameha A, Mostafaei A. Tehranolide molecule modulates the immune response, reduce regulatory T cell and inhibits tumor growth in vivo. *Molecular Immunology*. 2010; 47(7-8): 1579-84.
50. Noori S, Hassan ZM, Taghikhani M, Rezaei B, Habibi Z. Dihydroartemisinin can inhibit calmodulin, calmodulin-dependent phosphodiesterase activity and stimulate

- cellular immune responses. *International Immunopharmacology*. 2010; 10(2): 213-7.
51. Noori S, Hassan ZM, Mohammadi M, Habibi Z, Sohrabi N, Bayanolhagh S. Sclareol modulates the Treg intra-tumoral infiltrated cell and inhibits tumor growth in vivo. *Cellular Immunology*. 2010; 263(2): 148-53.
52. Mahdavi M, Ebtekar M, Azadmanesh K, Khorramkhoshid HR, Rahbarizadeh F, Yazdi MH, et al. HIV-1 Gag p24-Nef fusion peptide induces cellular and humoral immune response in a mouse model. *Acta Virologica*. 2010; 54(2): 131-6.
53. Langroudi L, Hassan ZM, Ebtekar M, Mahdavi M, Pakravan N, Noori S. A comparison of low-dose cyclophosphamide treatment with artemisinin treatment in reducing the number of regulatory T cells in murine breast cancer model. *International Immunopharmacology*. 2010; 10(9): 1055-61.
54. Khalil M, Mohamed G, Dallak M, Al-Hashem F, Sakr H, Eid RA, et al. The effect of citrullus colocynthis pulp extract on the liver of diabetic rats a light and scanning electron microscopic study. *American Journal of Biochemistry and Biotechnology*. 2010; 6(3): 155-63.
55. Jazani NH, Karimzad M, Mazloomi E, Sohrabpour M, Hassan ZM, Ghasemnejad H, et al. Evaluation of the adjuvant activity of naloxone, an opioid receptor antagonist, in combination with heat-killed Listeria monocytogenes vaccine. *Microbes and Infection*. 2010; 12(5): 382-8.
56. Jafarzadeh A, Hassan ZM, Ebtekar M, Mohaghegh-Hazrati S, Tiraihi T. Time-dependent changes of immunologic responses after burn injury and immunomodulation by cimetidine and pyrimethamine in an animal model. *Pakistan Journal of Pharmaceutical Sciences*. 2010; 23(4): 367-73.
57. Holakuyee M, Yadegari MH, Hassan ZM, Bayat M, Jafari AS, Abolhassani M, et al. Candida albicans Structural and secreted proteins modulate CD4/CD8 ratio in tumor infiltrating lymphocytes of spontaneous adenocarcinoma bearing mice. *Iranian Journal of Immunology*. 2010; 7(3): 142-9.
58. Hasanzadeh H, Mokhtari-Dizaji M, Bathae SZ, Hassan ZM, Miri HR, Alamolhoda M, et al. Effect of local dual frequency sonication on drug distribution from nanomicelles. *World Academy of Science, Engineering and Technology*. 2010; 70: 493-7.
59. Hasanzadeh H, Mokhtari-Dizaji M, Bathae SZ, Hassan ZM. Evaluation of correlation between chemical dosimetry and subharmonic spectrum analysis to examine the acoustic cavitation. *Ultrasonics Sonochemistry*. 2010; 17(5): 863-9.
60. Hajikhani B, Najarpeerayeh S, Soleimanjahi H, Hassan ZM, Goudarzi G. Cloning, expression, purification and characterization of recombinant UreB 229-561 from Helicobacter pylori. *Iranian Journal of Clinical Infectious Diseases*. 2010; 5(1): 18-24.
61. Ghaemi A, Soleimanjahi H, Gill P, Hassan Z, Jahromi SRM, Roohvand F. Recombinant  $\lambda$ -phage nanobioparticles for tumor therapy in mice models. *Genetic Vaccines and Therapy*. 2010; 8.
62. Arasteh J, Pourpak Z, Ebtekar M, Pourfathollah AA, Hassan ZM, Farahmandian T, et al. Evaluation of the effect of IL-22 on human cord blood CD4 + T cells. *Iranian Journal of Allergy, Asthma and Immunology*. 2010; 9(2): 59-67.
63. Arasteh J, Ebtekar M, Pourpak Z, Pourfatollah AA, Hassan ZM, Farahmandian T. The effect of IL-28A on human cord blood CD4+ T cells. *Immunopharmacology and Immunotoxicology*. 2010; 32(2): 339-47.

64. Yaraee R, Ghazanfari T, Faghihzadeh S, Mostafaie A, Soroush MR, Inai K, et al. Alterations in the serum levels of soluble L, P and E-selectin 20 years after sulfur mustard exposure: Sardasht-Iran Cohort Study. International Immunopharmacology. 2009; 9(13-14): 1477-81.
65. Yaraee R, Ghazanfari T, Ebtekar M, Ardestani SK, Rezaei A, Kariminia A, et al. 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. International Immunopharmacology. 2009; 9(13-14): 1466-70.
66. Shariat-Panahi S, Ghazanfari T, Yaraee R, Hassan ZM, Soroush MR, Mahdavi MRV, et al. Long-term rheumatologic complications of sulfur mustard in victims of Sardasht, Iran. Toxin Reviews. 2009; 28(1): 34-8.
67. Shams J, Ghazanfari T, Yaraee R, Mahdavi MRV, Soroush MR, Hassan ZM, et al. Long-term hematological consequences of sulfur mustard on civilians of Sardasht 20 years after exposure. Toxin Reviews. 2009; 28(1): 39-43.
68. Shahabi S, Hassan ZM, Jazani NH. Post heat shock tolerance: A neuroimmunological anti-inflammatory phenomenon. Journal of Inflammation. 2009; 6.
69. Safaverdi S, Roshani F, Lamehi Rashti M, Golkhoo S, Hassan ZM, Langrouri L. Micro-pixe analysis in invasive ductal carcinoma tissues after treatment of astaxanthin. Iranian Journal of Radiation Research. 2009; 7(1): 33-9.
70. Pourfarzam S, Ghazanfari T, Yaraee R, Ghasemi H, Hassan ZM, Faghihzadeh S, et al. Serum levels of IL-8 and IL-6 in the long term pulmonary complications induced by sulfur mustard: Sardasht-Iran Cohort Study. International Immunopharmacology. 2009; 9(13-14): 1482-8.
71. Pourfarzam S, Ghazanfari T, Merasizadeh J, Ghanei M, Azimi G, Araghizadeh H, et al. Long-term pulmonary complications in sulfur mustard victims of Sardasht, Iran. Toxin Reviews. 2009; 28(1): 8-13.
72. Pirasteh A, Ghazanfari T, Hassan ZM, Ghazanfari Z, Soroush MR, Amini R, et al. Stages of change for physical activity in sulfur mustard victims 20 years after exposure. Toxin Reviews. 2009; 28(1): 54-9.
73. Noori S, Taghikhani M, Hassan ZM, Al-Lameh A, Mostafaei A. Tehranolide could shift the immune response towards Th1 and modulate the intra-tumor infiltrated T regulatory cells. Iranian Journal of Immunology. 2009; 6(4): 216-24.
74. Nadoushan MRJ, Ghazanfari T, Yaraee R, Mahdavi MRV, Soroush MR, Moaiedmohseni S, et al. Total serum bilirubinemia and intensity of sulfur mustard exposure in Iranian chemical victims 20 years after exposure. Toxin Reviews. 2009; 28(1): 44-7.
75. Moradi A, Hashemi B, Hassan Z, editors. In vivo evaluation of photofrin II radiosensitivity for the treatment of adenocarcinoma tumors in Balb-C mice using brachytherapy. 2009.
76. Molla Hassan AT, Hassan ZM, Moazzeni SM, Mostafaie A, Shahabi S, Ebtekar M, et al. Naloxone can improve the anti-tumor immunity by reducing the CD4+CD25+Foxp3+ regulatory T cells in BALB/c mice. International Immunopharmacology. 2009; 9(12): 1381-6.
77. Moin A, Ghazanfari T, Davoudi SM, Emadi N, Panahi Y, Hassan ZM, et al. Long-term skin findings of sulfur mustard exposure on the civilians of Sardasht, Iran.

- Toxin Reviews. 2009; 28(1): 24-9.
78. Moaiedmohseni S, Ghazanfari T, Araghizadeh H, Soroush MR, Yaraee R, Hassan ZM, et al. Long-term health status 20 years after sulfur mustard exposure. Toxin Reviews. 2009; 28(1): 3-7.
79. Mahdavi M, Ebtekar M, Mahboudi F, Khorshid HK, Rahbarizadeh F, Azadmanesh K, et al. Immunogenicity of a new HIV-1 DNA construct in a BALB/c mouse model. Iranian Journal of Immunology. 2009; 6(4): 163-73.
80. Karimi N, Hassan ZM, Rasuli MB, Ilkhanizadeh B, Salarilak S, Shahabi S. The role of endogenous opioids in the protective effects of local sublethal hyperthermia against the progression of burn injury. Journal of Thermal Biology. 2009; 34(6): 286-9.
81. Jamali A, Mahdavi M, Hassan ZM, Sabahi F, Farsani MJ, Bamdad T, et al. A novel adjuvant, the general opioid antagonist naloxone, elicits a robust cellular immune response for a DNA vaccine. International Immunology. 2009; 21(3): 217-25.
82. Hajimoradi M, Hassan ZM, Pourfathollah AA, Daneshmandi S, Pakravan N. The effect of shark liver oil on the tumor infiltrating lymphocytes and cytokine pattern in mice. Journal of Ethnopharmacology. 2009; 126(3): 565-70.
83. Ghazanfari Z, Ghazanfari T, Kermani-Jalilvand A, Yaraee R, Vaez-Mahdavi MR, Foroutan A, et al. Association of physical activity and IL-10 levels 20 years after sulfur mustard exposure: Sardasht-Iran cohort study. International Immunopharmacology. 2009; 9(13-14): 1504-8.
84. Ghazanfari Z, Ghazanfari T, Araghizadeh H, Soroush MR, Yaraee R, Mahdavi MRV, et al. Physical activity of the civilian chemical victims of Sardasht 20 years after sulfur mustard exposure. Toxin Reviews. 2009; 28(1): 48-53.
85. Ghazanfari T, Yaraee R, Kariminia A, Ebtekar M, Faghihzadeh S, Vaez-Mahdavi MR, et al. Alterations in the serum levels of chemokines 20 years after sulfur mustard exposure: Sardasht-Iran Cohort Study. International Immunopharmacology. 2009; 9(13-14): 1471-6.
86. Ghazanfari T, Yaraee R, Asoode A, Rajabian T, Kardar M, Hassan ZM, et al. Purification of immunomodulator fraction components of garlic (R10) by HPLC. Journal of Medicinal Plants. 2009; 8(29): 100-6+79.
87. Ghazanfari T, Sharifnia Z, Yaraee R, Pourfarzam S, Kariminia A, Mahlojirad M, et al. Serum soluble Fas ligand and nitric oxide in long-term pulmonary complications induced by sulfur mustard: Sardasht-Iran Cohort Study. International Immunopharmacology. 2009; 9(13-14): 1489-93.
88. Ghazanfari T, Hassan ZM. Editorial. International Immunopharmacology. 2009; 9(13-14): 1465.
89. Ghazanfari T, Faghihzadeh S, Aragizadeh H, Soroush MR, Yaraee R, Hassan ZM, et al. Sardasht-Iran cohort study of chemical warfare victims: Design and methods. Archives of Iranian Medicine. 2009; 12(1): 5-14.
90. Ghasemi H, Ghazanfari T, Yaraee R, Soroush MR, Ghassemi-Broumand M, Poorfarzam S, et al. Systemic and ocular complications of sulfur mustard: A panoramic review. Toxin Reviews. 2009; 28(1): 14-23.
91. Ghasemi H, Ghazanfari T, Yaraee R, Ghassemi-Broumand M, Soroush MR, Poorfarzam S, et al. Evaluation of relationship between the serum levels of inflammatory mediators and ocular injuries induced by sulfur mustard: Sardasht-Iran

- Cohort Study. International Immunopharmacology. 2009; 9(13-14): 1494-8.
92. Ghasemi H, Ghazanfari T, Ghassemi-Broumand M, Javadi MA, Babaei M, Soroush MR, et al. Long-term ocular consequences of sulfur mustard in seriously eye-injured war veterans. Cutaneous and Ocular Toxicology. 2009; 28(2): 71-7.
93. Ghaemi A, Soleimanjahi H, Gill P, Arefian E, Soudi S, Hassan Z. Echinacea purpurea polysaccharide reduces the latency rate in herpes simplex virus type-1 infections. Intervirology. 2009; 52(1): 29-34.
94. Fallahi F, Ghazanfari T, Yaraee R, Hassan ZM, Foroutan A, Soroush MR, et al. Long-term cardiovascular symptoms and signs in mustard gas victims. Toxin Reviews. 2009; 28(1): 30-3.
95. Ebrahimi M, Hassan ZM, Hadjati J, Hayat P, Moazzeni SM. Immediate exposure to TNF- $\alpha$  activates dendritic cells derived from non-purified cord blood mononuclear cells. Iranian Journal of Immunology. 2009; 6(3): 107-18.
96. Barati AH, Mokhtari-Dizaji M, Mozdaran H, Bathaie SZ, Hassan ZM. Treatment of Murine Tumors Using Dual-Frequency Ultrasound in an Experimental in Vivo Model. Ultrasound in Medicine and Biology. 2009; 35(5): 756-63.
97. Bagheri K, Alimoghadam K, Pourfathollah AA, Hassan ZM, Hajati J, Moazzeni SM. The efficient generation of immunocompetent dendritic cells from leukemic blasts in acute myeloid leukemia: A local experience. Pathology and Oncology Research. 2009; 15(2): 257-67.
98. Azadmehr A, Pourfathollah AA, Amirghofran Z, Hassan ZM, Moazzeni SM. Enhancement of Th1 immune response by CD8 $\alpha$ + dendritic cells loaded with heat shock proteins enriched tumor extract in tumor-bearing mice. Cellular Immunology. 2009; 260(1): 28-32.
99. Amiri S, Ghazanfari T, Yaraee R, Salimi H, Ebtekar M, Shams J, et al. Serum levels of GM-CSF 20 years after sulfur mustard exposure: Sardasht-Iran Cohort Study. International Immunopharmacology. 2009; 9(13-14): 1499-503.
100. Alebouyeh M, Behzadian-Nejad Q, Soleimani M, Hassan ZM, Salmanian AH, Zali MR. Characterization of the interaction of undomesticated *Bacillus subtilis* spores with Caco-2 cell line. Annals of Microbiology. 2009; 59(2): 273-7.
101. Zare A, Farzaneh P, Pourpak Z, Zahedi F, Moin M, Shahabi S, et al. Purified aged garlic extract modulates allergic airway inflammation in Balb/c mice. Iranian Journal of Allergy, Asthma and Immunology. 2008; 7(3): 133-41.
102. Shahabi S, Rasmi Y, Jazani NH, Hassan ZM. Protective effects of *Helicobacter pylori* against gastroesophageal reflux disease may be due to a neuroimmunological anti-inflammatory mechanism. Immunology and Cell Biology. 2008; 86(2): 175-8.
103. Shahabi S, Hassan ZM, Mahdavi M, Dezfooli M, Rahvar MT, Naseri M, et al. Hot and cold natures and some parameters of neuroendocrine and immune systems in traditional Iranian medicine: A preliminary study. Journal of Alternative and Complementary Medicine. 2008; 14(2): 147-56.
104. Pourasgari F, Ahmadian S, Hassan ZM, Mahdavi M, Salmanian AH, Sarbolouki MN, et al. Intranasal immunization of mice with VP2 DNA of human rotavirus a induces cellular and humoral immunity. Acta Virologica. 2008; 52(4): 225-9.
105. Parsanie M, Hassan ZM, Bamdad T, Kheirandish M, Pouriayevali MH, Sari RD, et al. Pro-apoptotic gene enhances the immunogenicity of glycoprotein B gene of herpes simplex virus-1. Gene Therapy and Molecular Biology. 2008; 12(1): 7-14.

106. Noori S, Hassan ZM, Rezaei B, Rustaiyan A, Habibi Z, Fallahian F. Artemisinin can inhibit the calmodulin-mediated activation of phosphodiesterase in comparison with Cyclosporin A. *International Immunopharmacology*. 2008; 8(13-14): 1744-7.
107. Nikoo S, Bozorgmehr M, Ahmadabad HN, Hassan ZM, Moazzeni SM, Pourpak Z, et al. The 14kDa protein molecule isolated from garlic suppresses indoleamine 2, 3-dioxygenase metabolites in mononuclear cells in vitro. *Iranian Journal of Allergy, Asthma and Immunology*. 2008; 7(4): 203-8.
108. Meshkat Z, Soleimanjahi H, Mahmoudi M, Hassan ZM, Mirshahabi H, Meshkat M, et al. 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): 82-91.
109. Jafarnejad A, Bathaie SZ, Nakhjavani M, Hassan MZ, Banasadegh S. The improvement effect of L-Lys as a chemical chaperone on STZ-induced diabetic rats, protein structure and function. *Diabetes/Metabolism Research and Reviews*. 2008; 24(1): 64-73.
110. Jafarnejad A, Bathaie SZ, Nakhjavani M, Hassan MZ. Effect of spermine on lipid profile and HDL functionality in the streptozotocin-induced diabetic rat model. *Life Sciences*. 2008; 82(5-6): 301-7.
111. Jafarnejad A, Bathaie SZ, Nakhjavani M, Hassan MZ. Investigation of the mechanisms involved in the high-dose and long-term acetyl salicylic acid therapy of type I diabetic rats. *Journal of Pharmacology and Experimental Therapeutics*. 2008; 324(2): 850-7.
112. Hashemi SM, Soudi S, Ghaemi A, Soleimanjahi H, Hassan ZM. Study the effect of echinacea purpurea extract on cellular delayed type hypersensitivity and splenocyte proliferation in BALB/c mice. *Yakhteh*. 2008; 9(4): 254-61.
113. Hashemi SM, Hassan ZM, Soudi S, Shahabi S. The effect of vaccination with the lysate of heat-shocked tumor cells on nitric oxide production in BALB/c mice with fibrosarcoma tumor. *Cell Biology International*. 2008; 32(7): 835-40.
114. Ghasemi H, Ghazanfari T, Babaei M, Soroush MR, Yaraee R, Ghassemi-Broumand M, et al. Long-term ocular complications of sulfur mustard in the civilian victims of Sardasht, Iran. *Cutaneous and Ocular Toxicology*. 2008; 27(4): 317-26.
115. Ghaemi A, Soleimanjahi H, Gill P, Arefian E, Soudi S, Hassan ZM. Prophylactic effects of Echinacea purpurea polysaccharide against lethal ocular herpes simplex virus type I. *Saudi medical journal*. 2008; 29(8): 1204-6.
116. Fooladi AAI, Sattari M, Hassan ZM, Mahdavi M, Azizi T, Horii A. In vivo induction of necrosis in mice fibrosarcoma via intravenous injection of type B staphylococcal enterotoxin. *Biotechnology Letters*. 2008; 30(12): 2053-9.
117. Fooladi AAI, Sattari M, Hassan ZM, Mahdavi M, Azizi T, Horii A. In vivo induction of necrosis in mice fibrosarcoma via intravenous injection of type B staphylococcal enterotoxin (Biotechnology Letters DOI: 10.1007/s10529-008-9805-3). *Biotechnology Letters*. 2008; 30(12): 2061.
118. Pakravan N, Hassan AT, Hassan ZM. Naturally occurring self-reactive CD4+CD25+ regulatory T cells: universal immune code. *Cellular & molecular immunology*. 2007; 4(3): 197-201.
119. Mobarez AM, Doust RH, Hassan ZM, Kamali S. Antimutagenic effect of *Lactobacillus acidophilus* and *Lactobacillus bulgaricus* isolated from Iranian yoghurt on 2-nitrofluorene. *Research Journal of Microbiology*. 2007; 2(6): 524-9.

120. Meshkat Z, Soleimanjahi H, Mahmoudi M, Mirshahabi H, Hassan ZM, Ghaffari SR, et al. Determination of human papillomavirus type 16 genotype and construction of cloning vector pTZ57R encoding HPV16 E7 gene. *Saudi Medical Journal*. 2007; 28(10): 1511-5.
121. Mansouri K, Mirshahi M, Pourfathollah A, Hassan ZM, Taheripak R. Anti-plasminogen monoclonal antibody (MC2B8) inhibites angiogenesis. *Pakistan Journal of Biological Sciences*. 2007; 10(19): 3450-3.
122. Kokabi M, Sorousazar M, Hassan ZM. PVA-clay nanocomposite hydrogels for wound dressing. *European Polymer Journal*. 2007; 43(3): 773-81.
123. Jamali A, Mahdavi M, Shahabi S, Hassan ZM, Sabahi F, Javan M, et al. Naloxone, an opioid receptor antagonist, enhances induction of protective immunity against HSV-1 infection in BALB/c mice. *Microbial Pathogenesis*. 2007; 43(5-6): 217-23.
124. Imanifooladi AA, Sattari M, Najar Peerayeh S, Hassan ZM, Hossainidoust SR. Detection the *Staphylococcus aureus* producing enterotoxin isolated from skin infections in hospitalized patients. *Pakistan Journal of Biological Sciences*. 2007; 10(3): 502-5.
125. Holakuyee M, Yadegari MH, Hassan ZM, Mahdavi M. Evaluation the anti proliferative activity of structural proteins and fraction of supernatant from culture of *Candida albicans*. *Pakistan Journal of Biological Sciences*. 2007; 10(2): 318-21.
126. Hashemi SM, Hassan ZM, Soudi S, Ghazanfari T, Kheirandish M, Shahabi S. Evaluation of anti-tumor effects of tumor cell lysate enriched by HSP-70 against fibrosarcoma tumor in BALB/c mice. *International Immunopharmacology*. 2007; 7(7): 920-7.
127. Golkhoo S, Barantalab F, Ahmadi AR, Hassan ZM. Purification of astaxanthin from mutant of *Phaffia rhodozyma* JH-82 which isolated from forests trees of Iran. *Pakistan Journal of Biological Sciences*. 2007; 10(5): 802-5.
128. Ebrahimi M, Hassan Z, Moazzeni SM, Hadjati J, Kazemi Ashtiani S, Haiat P. Effects of immediate TNF- $\alpha$  exposure on phenotype and function of dendritic cells derived from cord blood mono nuclear cells. *Yakhteh*. 2007; 9(2): 129-40.
129. Barati AH, Mokhtari-Dizaji M, Mozdarani H, Bathaie Z, Hassan ZM. Effect of exposure parameters on cavitation induced by low-level dual-frequency ultrasound. *Ultrasonics Sonochemistry*. 2007; 14(6): 783-9.
130. Zarrini G, Sepehrizadeh Z, Yazdi MT, Nejad QB, Hassan ZM. Cloning and overexpression of rplL gene of *Brucella abortus* in *Escherichia coli*. *Pakistan Journal of Biological Sciences*. 2006; 9(6): 1128-31.
131. Shapoury R, Sattari M, Hassan ZM. Studies on the antimicrobial effect of allicin on the intra macrophages *Brucella*. *Pakistan Journal of Biological Sciences*. 2006; 9(10): 1935-9.
132. Shahabi S, Hassan ZM, Jazani NH, Ebtekar M. Sympathetic nervous system plays an important role in the relationship between immune mediated diseases. *Medical Hypotheses*. 2006; 67(4): 900-3.
133. Shahabi S, Hassan ZM, Jazani NH. Any beneficial effects of mycobacteria on multiple sclerosis and experimental autoimmune encephalitis may include stimulation of the sympathetic nervous system. *Medical Hypotheses*. 2006; 67(1): 164-8.
134. Shahabi S, Hashemi M, Hassan ZM, Javan M, Bathaie SZ, Toraihi T, et al. The effect of post-burn local hyperthermia on the reducing burn injury: The possible role

- of opioids. International Journal of Hyperthermia. 2006; 22(5): 421-31.
135. Mojadadi S, Ebtekar M, Hassan ZM. Immunomodulatory activity of Ganoderma lucidum (W.Curt.:Fr.) P. Karst. (Ling Zhi, Reishi) polysaccharide extract on delayed type hypersensitivity. International Journal of Medicinal Mushrooms. 2006; 8(1): 57-61.
136. Mojadadi S, Ebtekar M, Hassan ZM. Immunomodulatory effects of Ganoderma lucidum (W. Curt.:Fr.) P. Karst. (Aphyllophoromycetideae) on CD4+/CD8+ tumor infiltrating lymphocytes in breast-cancer-bearing mice. International Journal of Medicinal Mushrooms. 2006; 8(4): 315-20.
137. Hassan ZM, Ebtekar M, Ghanei M, Taghikhani M, Daloii MRN, Ghazanfari T. Immunobiological consequences of sulfur mustard contamination. Iranian Journal of Allergy, Asthma and Immunology. 2006; 5(3): 101-8.
138. Hashemi SM, Hassan ZM, Ghazanfari T, Shahabi S, Kheirandish M, Soudi S. The effect of injection of heat shocked tumor cell lysate on splenocytes proliferation and nitric oxide production in BALB/c mice with fibrosarcoma tumor. Yakhteh. 2006; 8(30): 106-13+55.
139. Ghazanfari T, Hassan ZM, Khamesipour A. Enhancement of peritoneal macrophage phagocytic activity against Leishmania major by garlic (*Allium Sativum*) treatment. Journal of Ethnopharmacology. 2006; 103(3): 333-7.
140. Farzaneh P, Hassan ZM, Pourpak Z, Hoseini AZ, Hogan SP. A latex-induced allergic airway inflammation model in mice. Basic and Clinical Pharmacology and Toxicology. 2006; 99(6): 405-11.
141. Barati AH, Mokhtari-Dizaji M, Mozdarani H, Bathaei SZ, Hassan ZM. Free hydroxyl radical dosimetry by using 1 MHz low level ultrasound waves. Iranian Journal of Radiation Research. 2006; 3(4): 163-9.
142. Majidi J, Baradaran B, Hassan ZM, Mostafaie A. Production and characterization of monoclonal antibodies against human IgG in Balb/c mouse. Human Antibodies. 2005; 14(1-2): 1-5.
143. Hassan ZM, Feyzi R, Sheikhian A, Bargahi A, Mostafaie A, Mansouri K, et al. Low molecular weight fraction of shark cartilage can modulate immune responses and abolish angiogenesis. International Immunopharmacology. 2005; 5(6): 961-70.
144. Farzaneh P, Hassan ZM, Pourpak Z, Hoseini AZ, Baghestani AR, Hogan S. Experimental model of pulmonary allergic inflammation induced by latex in Balb/c. Yakhteh. 2005; 7(26): 92-7+119.
145. Sheikhian A, Hassan ZM, Mustafaie A, Shokri F, Malekzadeh R, Siavoshi F. Extraction of the outer membrane proteins of *H. pylori* and evaluation of their presence in stool of the infected individuals. Iranian Biomedical Journal. 2004; 8(2): 83-8.
146. Noori S, Naderi GA, Hassan ZM, Habibi Z, Bathaei SZ, Hashemi SMM. Immunosuppressive activity of a molecule isolated from *Artemisia annua* on DTH responses compared with cyclosporin A. International Immunopharmacology. 2004; 4(10-11): 1301-6.
147. Neishabouri EZ, Hassan ZM, Azizi E, Ostad SN. Evaluation of immunotoxicity induced by diazinon in C57Bl/6 mice. Toxicology. 2004; 196(3): 173-9.
148. Hassan ZM, Ostad SN, Minaee B, Narenjkar J, Azizi E, Neishabouri EZ. Evaluation of immunotoxicity induced by propoxur in C57Bl/6 mice. International

- Immunopharmacology. 2004; 4(9): 1223-30.
149. Abtahi H, Salmanian AH, Rafati S, Nejad GB, Hassan ZM. High level expression of recombinant ribosomal protein (L7/L12) from *Brucella abortus* and its reaction with infected human sera. Iranian Biomedical Journal. 2004; 8(1): 13-8.
150. Shaker Z, Hassan ZM, Sohrabpoor H, Mosaffa N. The immunostatus of T helper and T cytotoxic cells in the patients ten years after exposure to sulfur mustard. Immunopharmacology and Immunotoxicology. 2003; 25(3): 423-30.
151. Majidi J, Hassan ZM. Development of hybridoma cells producing monoclonal antibody against human epsilon ( $\epsilon$ ) chain. Human Antibodies. 2003; 12(3): 93-8.
152. Khajavi M, Rahimi S, Hassan ZM, Kamali MA, Mousavi T. Effect of feed restriction early in life on humoral and cellular immunity of two commercial broiler strains under heat stress conditions. British Poultry Science. 2003; 44(3): 490-7.
153. Hassan ZM, Yaraee R, Zare N, Ghazanfari T, Nejad AHS, Nozari B. Immunomodulatory affect of R10 fraction of garlic extract on natural killer activity. International Immunopharmacology. 2003; 3(10-11): 1483-9.
154. Feyzi R, Hassan ZM, Mostafaie A. Modulation of CD4 + and CD8 + tumor infiltrating lymphocytes by a fraction isolated from shark cartilage: Shark cartilage modulates anti-tumor immunity. International Immunopharmacology. 2003; 3(7): 921-6.
155. Hassan ZM, Ebtekar M. Immunological consequence of sulfur mustard exposure. Immunology Letters. 2002; 83(3): 151-2.
156. Ghotbi L, Hassan Z. The immunostatus of natural killer cells in people exposed to sulfur mustard. International Immunopharmacology. 2002; 2(7): 981-5.
157. Ghazanfari T, Hassan ZM, Ebrahimi M. Immunomodulatory activity of a protein isolated from garlic extract on delayed type hypersensitivity. International Immunopharmacology. 2002; 2(11): 1541-9.
158. Hassan ZM, Ebtekar M. Modeling for immunosuppression by sulfur mustard. International Immunopharmacology. 2001; 1(3): 605-10.
159. Ghazanfari T, Hassan ZM, Ebtekar M, Ahmadiani A, Naderi G, Azar A. Garlic induces a shift in cytokine pattern in *Leishmania* major-infected BALB/c mice. Scandinavian Journal of Immunology. 2000; 52(5): 491-5.
160. Ebtekar M, Hassan ZM. Effect of immunomodulators pyrimethamine and cimetidine on immunosuppression induced by sulfur mustard in mice. International Journal of Immunopharmacology. 1993; 15(4): 533-41.