

Dr. Ali Mostafaie

Professor



1-School of Medicine

2- Medical Biology Research Center

Kermanshah University of Medical Sciences

Mailing address:

Medical Biology Research Center, P. O. Box: 6714869914

Sorkheh Lizheh, Kermanshah, Iran, Tel: 0098-831-4279923

Fax:0098-831-4276471

Education

B. Sc: 1988, Biology, College of Science, Shiraz University, Shiraz, Iran.

M. Sc: 1991, Immunology, School of Medical Sciences, Tarbiat Modares University, Tehran, Iran.

Ph. D: 2000, Immunology, School of Medical Sciences, Tarbiat Modares University, Tehran, Iran.

Teaching Activities

Basic Immunology for students of general medicine, pharmacy and dentistry

Basic Immunology for M.S students of Immunology and Cell Biology

Immunochemistry for M.S and PhD students of Immunology, Biochemistry and Biotechnology

Laboratory Methods of Immunology for MS and PhD students of Immunology

Research Interest

Protein Purification and Bioconjugation

Applied/Therapeutic peptides and proteins

Tumor and Angiogenesis

Full papers

English:

- 72- Mohammadi, P Afzali S, Tajehmiri A, Chalabi M, **Mostafaie A**. Purification of catalase from *Helicobacter pylori* isolates using a simple two-step procedure; ion-exchange chromatography and polyethylene glycol fractionation. *World App. Sci. J. accept*.
- 71- Mehrabi AM, **Mostafaie A**, Majidi Harvan E, Haghparast R, Kahrizi D. The comparison of leaf protein patterns between two tolerant and susceptible varieties of wheat under drought stress. *Can. J. Plant Sci. 2013, accept*
- 70- Adibi H, Majnooni MB, **Mostafaie A**, Mansouri K, Mohammadi M. Synthesis, and in-vitro Cytotoxicity Studies of a Series of Triazene Derivatives on Human Cancer Cell Lines. *Iran. J. Pharm. Res. 2013; 12(4): 695-703*.
- 69- Ghasemi H, Ghazanfari T, **Mostafaie A**, Yaraee R, Amini R, Rezaei A, Mahmoudi M, Faghihzadeh S, Ardestani SK, Babaei M, Jalali-Nadoushan MR, Hassan ZM. Association between sulfur mustard induced eye injuries and serum immunoglobulins levels: Sardasht-Iran Cohort Study. *Int. Immunopharmacol. 2013; 17(3): 944-951*.
- 68- Maghsoudi S, Ashrafi MR, Shahlaei M, Ghadami SA, Ghobadi S, **Mostafaie A**, Khodarahmi R. Comparative evaluation of amphotericin B binding to the native and modified forms of rice lipid-transfer protein: A possible perspective on improving the drug binding affinity and specificity. *J. Iran. Chem. Soc (JICS) 2013; 10(5): 937-950*.
- 67- Ghazanfari T, **Mostafaie A**, Yaraee R, Pourfarzam S, Faghihzadeh S, Rezaei A, Mahmoudi M, Vaez-Mahdavi MR, Soroush MR, Naghizadeh MM, Hassan, ZM. 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):936-943*.
- 66- Ghazanfari T, Kariminia A, Yaraee R, Faghihzadeh S, Ardestani SK, Ebtekar M, **Mostafaie A**, Foroutan A, Rezaei A, Shams J, Mahmoudi M, Vaez-Mahdavi MR, Soroush MR, Ajdary S,

Naghizadeh MM, Jalaie S, Hassan ZM. Long term impact of sulfur mustard exposure on leukocyte subpopulations – Sardasht-Iran Cohort Study (SICS). *Int. Immunopharmacol.* 2013; 17(3):931-935.

65- Yarmohammadi ME, Hassan ZM, **Mostafaie A**, Ebtekar M, Yaraee R, Pourfarzam S, Jalali-Nadoushan MR, Faghihzadeh S, Vaez-Mahdavi MR, Soroush MR, khamesipour A, Faghihzadeh E, Sharifnia Z, Naghizadeh MM, Ghazanfari T. Salivary levels of secretory IgA, C5a and alpha1-antitrypsin in Sulfur mustard exposed patients 20 years after exposure: Sardasht-Iran Cohort Study (SICS). *Int. Immunopharmacol.* 2013; 17(3): 952-957.

64- Ebrahimi M, Hassan ZM, **Mostafaie A**, Zare Mehrjardi N, Ghazanfari T. Purified protein fraction of garlic extract modulates cellular immune response against breast transplanted tumors in BALB/c mice model. *Cell J.* 2013; 15(1): 65-74.

63- Yarani R, Mansouri K, Mohammadi-Motlagh HR, Bakhtiari M, **Mostafaie A**. A new procedure for epidermal cell isolation using kiwifruit actinidin and improved culture of melanocytes in the presence of Leukemia Inhibitory Factor and Forskolin. *Cell prolifer.* 2013; 46: 348-355.

62- kiani A, **Mostafaie A**, Shirazi FH, Ghazanfari T. Serum profiles of matrix metalloproteinases and their tissue inhibitors in long-term pulmonary complication induced by sulfur mustard: Sardasht-Iran Cohort Study. *Int. Immunopharmacol.* 2013; 17(3): 964-967.

61- Yari K, Afzali S, Mozafari H, Mansouri K, **Mostafaie A**. Molecular cloning, expression and purification of recombinant soluble mouse endostatin as an anti-angiogenic protein in Escherichia coli. *Mol. Biol. Rep.* 2013; 40: 1027–1033.

60- Karimzadeh K, **Mostafaie A**, Zahmatkesh A. Detection of Cytochrome P450 1A Content Exposed to Polycyclic Aromatic Hydrocarbons (PAHs) in Two Species of Sturgeon. *World J. Fish Marine Sci.* 2012; 4 (6): 604-608.

59- Masoumi SM, Kahrizi D. Rostami-Ahmadvandi H, Soorni J. Kiani S, **Mostafaie A**, Yari K. Genetic diversity study of some medicinal plant accessions belong to Apiaceae family based on seed storage proteins patterns. *Mol. Biol. Rep.* 2012; 39:10361–10365.

- 58- Khodarahmi R, Hossein-pour Z, Ghobadi S, Mansouri K, **Mostafaie A**, Yari K, Ghadami SA. Non-specific peroxidase activity and catalase-inhibitory behavior of fibrillar aggregates after interaction with heme: relevance to the etiology of amyloid-related neurodegenerative disorders using the experimental-based evidences. *J. Iran. Chem. Soc (JICS)* 2012; 9: 939-950.
- 57- Ghobadi S, Yousefi F, Khademi F, Padidar S, **Mostafaie A**. An efficient method for purification of non-specific lipid transfer protein-1 from rice seeds using kiwifruit actinidin proteolysis and ion exchange chromatography. *J. Sep. Sci.* 2012; 35(21): 2827-2833.
- 56- Mikaili A, Chalabi M, Ghashghaie A, **Mostafaie A**. Immunization against bovine dermatophytosis with live *Trichophyton verrucosum*. *Afr. J. Microbiol. Res.* 2012; 6(23): 4950-4953.
- 55- Majnooni MB, Mansouri K, Gholivand MB, **Mostafaie A**, Mohammadi-Motlagh HR, Afnanzade NS, Abolghasemi MM, Piriyaee M. Chemical composition, cytotoxicity and antioxidant activities of the essential oil from the leaves of *Citrus aurantium* L. *Afr. J. Biotechnol.* 2012; 11(2): 498-503.
- 54- Miraghaee SS, **Mostafaie A**, Kahrizi D. Acclimatization related proteins and factors in somaclone lines in Kiwifruit (*Actinidia deliciosa*). *J. Food Agric. Environ.* 2012; 10(1): 198-202.
- 53- Bakhtiari M, Mansouri K, Sadeghi Y, **Mostafaie A**. Proliferation and differentiation potential of cryopreserved human skin derived precursors. *Cell Prolif.* 2012; 45: 148-157.
- 52- Ganjian H, Nikokar I, Tieshayar A, **Mostafaie A**, Amirmozafari N, Kiani S. Effects of salt stress on the antimicrobial drug resistance and protein pattern of *Staphylococcus aureus*. *Jundishapur J. Microbiol.* 2012; 5(1): 328-331.
- 51- Sanadgol N, **Mostafaie A**, Mansouri K, Bahrami G. Effect of palmitic acid and linoleic acid on expression of ICAM-1 and VCAM-1 in human bone marrow endothelial cells (HBMECs). *Arch. Med. Sci.* 2012; 8(2): 192-198.
- 50- Rostami Ahmadvandi H, Kahrizi D, **Mostafaie A**, Sohrabi Babahadi F, Kiani S. Study of *Peganum harmala* genetic diversity based on Sodium Dodecyl Sulfate Polyacrylamid Gel Electrophoresis (SDS PAGE) analysis. *J. Agric. Sci. Technol.* 2011; 1: 1300-1302.

- 49- Miraghaee SS, **Mostafaie A**, Kiani S, Kahrizi D. Investigation on protein pattern in kiwifruit (*Actinidia deliciosa*). *World Appl. Sci. J.* 2011; 10(15): 1398-1402.
- 48- **Mostafaie A**, Yari K, Kiani S. A comparative evaluation of rehydration and cup-loading sample application for modified two-dimensional gel electrophoresis of human serum proteins using immobilized pH gradient. *Afr. J. Biotechnol.* 2011; 10(55): 11711-11715.
- 47- Yari K, **Mostafaie A**. Determination of suitable conditions for great plasmid transformation into *Escherichia coli* using Taguchi statistical method. *Am. J. Sci. Res.* 2011; 17: 151-157.
- 46- Zebarjadi A, Kakaei M, **Mostafaie A**. Genetic variability of some traits in Rapeseed (*Brassica napus* L.) under drought stress and non-stress conditions. *Biharean Biol.* 2011; 5(2): 127-131.
- 45- Mohammadi Motlagh HR, **Mostafaie A**, Mansouri K. Anti-cancer and anti-inflammatory activities of shallot (*Allium ascalonicum*) extract. *Arch. Med. Sci.* 2011; 7(1): 38-44.
- 44- Mansouri K, Khodarahmi R, Foroumadi A, **Mostafaie A**, Mohammadi Motlagh HR. Anti-angiogenic/proliferative behavior of a "4-aryl-4 H-chromene" on blood vessel's endothelial cells: A possible evidence on dual "anti-tumor" activity. *Med. Chem. Res.* 2011; 20: 920-929.
- 43- **Mostafaie A**, Mansouri K, Norooznezhad AH, Mohammadi-Motlagh HR. Anti-angiogenic activity of *Ficus carica* Latex extract on human umbilical vein endothelial cells. *Cell J.* 2011; 12(4): 525-527.
- 42- Keshavarz M, Bidmeshkipoor A, **Mostafaie A**, Mansouri K, Mohamadi Motlagh HR. Anti tumor activity of *Salvia officinalis* is due to its anti-angiogenic, anti-migratory and anti-proliferative effects. *Cell J.* 2011; 12(4): 477-482.
- 41- Kakaei M, Kahrizi D, Mostafaie A. Study on powdery mildew disease related proteins expression in winter wheat cultivars via SDS-PAGE. *Biharean Biol.* 2010; 4(2): 169-171.

- 40- Najafy A, Niari khamssi N, **Mostafaie A**, Mirzaee H. Effect of progressive water deficit stress on proline accumulation and protein profiles of leaves in chickpea. *Afr. J. Biotechnol.* 2010; 9(42): 7033-7036.
- 39- Keshavarz M, **Mostafaie A**, Mansouri K, Bidmeshkipour A, Mohammadi Motlagh HR, Parvaneh S. In vitro and ex vivo anti-angiogenic activity of *Salvia officinalis*. *Phytother. Res.* 2010; 24 (10): 1526-1531.
- 38- Seyfi P, **Mostafaie A**, Mansouri K, Arshadi D, Mohammadi-Motlagh HR, Kiani A. In vitro and in vivo anti-angiogenesis effect of shallot (*Allium ascalonicum*): A heat-stable and flavonoid-rich fraction of shallot extract potently inhibits angiogenesis. *Toxicol. In Vitro* 2010; 24:1655-1661.
- 37- Sanadgol N, **Mostafaie A**, Bahrami G, Mansouri K, Ghanbari F, Bidmeshkipour A. Elaidic acid sustains LPS and TNF- α induced ICAM-1 and VCAM-1 expression on human bone marrow endothelial cells (HBMEC). *Clin. Biochem.* 2010; 43(12): 968-972.
- 36- Khademi F, **Mostafaie A**. Effect of urea on protein separation by ion exchange chromatography. *J. Biochem.* 2010; 147 (5): 735-741.
- 35- Noori S, Taghikhani M, Hassan ZM, Allameha A, **Mostafaie A**. Tehranolide molecule modulates the immune response, reduce regulatory T cell and inhibits tumor growth in vivo. *Mol. Immunol.* 2010; 47; 1579-1584.
- 34- Keshavarz M, Norooznezhad AH, Mansouri K, **Mostafaie A**. Cannabinoid (JWH-133) therapy could be effective for treatment of corneal neovascularization. *Iran. J. Med. Hypotheses and Ideas* 2010; 4:3.
- 33- Khodarahmi R, Naderi F, **Mostafaie A**, Mansouri K. Heme, as a chaperone, binds to amyloid fibrils and forms peroxidase in vitro: Possible evidence on critical role of non-specific peroxidase activity in neurodegenerative disease onset/progression using the α -crystallin-based experimental system. *Arch. Biochem. Biophys.* 2010; 494: 205-215.

32- Noori S, Taghikhani M, Hassan ZM, Allameh A, **Mostafaie A**. Tehranolide could shift the immune response towards Th1 and modulate the intra-tumor infiltrated T Regulatory cells. *Iran. J. Immunol.* 2009; 6(4): 216-224.

31- Yaraee R, Ghazanfari T, Ebtekar M, Ardestani SK, Rezaei A, Kariminia A, Faghihzadeh S, **Mostafaie A**, Vaez-Mahdavi MR, Mahmoudi M, Naghizadeh MM, Soroush MR, Hassan ZM. Alterations in serum levels of inflammatory cytokines (TNF, IL-1alpha, IL-1beta and 2 IL-1Ra) 20 years after sulfur mustard exposure: Sardasht-Iran cohort study. *Int. Immunopharmacol.* 2009; 9(13-14): 1466-1470.

30- Yaraee R, Ghazanfari T, Faghihzadeh S, **Mostafaie A**, Soroush MR, Inai K, Foroutan A, Shams J, Naghizadeh MN, Hassan ZM. Alterations in the serum levels of soluble L, P and E-selectin 20 years after sulfur mustard exposure: Sardasht-Iran Cohort Study. *Int. Immunopharmacol.* 2009; 9(13-14): 1477-1481.

29- Molla Hassan AT, Hassan ZM, Moazzeni SM, **Mostafaie A**, Shahabi S, Ebtekar M, Hashemi SM. Naloxone can improve the anti-tumor immunity by reducing the CD4⁺CD25⁺Foxp3⁺ regulatory T cells in BALB/c mice. *Int. Immunopharmacol.* 2009; 9(12): 1381-1386.

28- Mansouri K, **Mostafaie A**, Mirshahi M, Mohammadi-Motlagh HR, Maleki A, Keshavarz M. Human coagulated plasma as a natural and low cost matrix for in vitro angiogenesis. *Iran. Biomed. J.* 2009; 13(3): 179-183.

27- Fathollahi S, Yousefi-Mashouf R, Goodarzi MT, Hajiloeei M, Hemati S, **Mostafaie A**, Sadeghian S. Typing of the uropathogenic E.coli strains using O-serotyping and detection of pap adhesion-encoding operon by polymerase chain reaction. *Iran. J. Clin. Infect. Dis.* 2009; 4(2):77-81.

26- Fatemeh Khademi, Koorosh Hamzehee, **Ali Mostafaie**, Reza Hajihossaini. Purification of three major forms of β -hCG from urine and production of polyclonal antibodies against them. *Clin. Biochem.* 2009; 42(13-14): 1476-1482.

- 25- Yadollah Shakiba, **Ali Mostafaie**, Delnia Arshadi, Behnam Sabayan. Application of garlic organosulfur compounds in prevention of cyclosporine A-induced hepatotoxicity. *Iran. J. Med. Hypotheses and Ideas* 2009; 3: 3.
- 24- Ghazanfari T, Faghihzadeh S, Aragizadeh H, Soroush MR, Yaraee R, Hassan ZM, Foroutan A, Vaez-Mahdavi MR, Javadi MA, Moaiedmohseni S, Azizi F, Panahi Y, **Mostafaie A**, Ghasemi H, Shams J, Pourfarzam S, Jalali-Nadoushan MR, Fallahi F, Ebtekar M, Davoudi SM, Ghazanfari Z, Ardestani SK, Shariat-Panahi S, Moin A, Rezaei A, Kariminia A, Ajdary S, Mahmoudi M, Roshan R, Ghaderi S, Babai M, Naghizadeh MM, Ghanei M. Sardasht-Iran Cohort Study of Chemical Warfare Victims: Design and Methods. *Arch. Iran. Med.* 2009; 12 (1): 5 – 14.
- 23- Keshavarz M, **Mostafaie A**, Mansouri K, Shakiba Y, Mohammadi Motlagh HR. Inhibition of corneal neovascularization with propolis extract. *Arch. Med. Res.* 2009; 40(1): 59-61.
- 22- Abdollah Jafarzadeh, **Ali Mostafaie**, Mostafa Sadeghi, Maryam Nemati, Mohammad Taghi Rezayati, Gholamhossein Hassanshahi. Age-Dependent Changes of Salivary IgA and IgE Levels in Healthy Subjects. *Dent. Res. J.* 2008; 5(2): 89-93.
- 21- Riazalhosseini B, Hassan ZM, **Mostafaie A**, Pakravan N, Monsori K, Mahdavi M, Mohagheghi MA, Nahvijoo A. High molecular weight fraction of shark cartilage can inhibit the growth of K562 tumor cell and abolish angiogenesis. *J. Exp. Zool. India* 2008; 11(2): 459-463.
- 20- Amirmozafari N, Ghazi F, Mostafazadeh A, **Mostafaie A**, Rajabnia R. Comparison of Heat Shock Response in *Brucella abortus* and *Brucella melitensis*. *Pak. J. Biol. Sci.* 2008; 11 (2): 188-194.
- 19- **Mostafaie A**, Bidmeshkipour A, Shirvani Z, Mansouri K, Chalabi M. Kiwifruit actinidin: A proper new collagenase for isolation of cells from different tissues. *Appl. Biochem. Biotechnol.* 2008; 144(2): 123-131.
- 18- Sheikhan A, Hassan ZM, **Mostafaie A**. Detection of *Helicobacter Pylori* Diagnostic Antigens in the Stool of Infected Patients. *Iran. J. Med. Sci.* 2007; 32(4): 198-204.

- 17- Rooki H, Khajeh K, **Mostafaie A**, Kashanian S, Ghobadi S. Partially folded conformations of bovine liver glutamate dehydrogenase induced by mild acidic conditions. *J. Biochem.* 2007; 142(2): 193-200.
- 16- Yadollah Shakiba, Kamran Mansouri, **Ali Mostafaie**. Anti-angiogenic effect of soybean Kunitz trypsin inhibitor on human umbilical vein endothelial cells. *Fitoterapia* 2007; 78: 587-589.
- 15- Yadollah Shakiba, **Ali Mostafaie**. Inhibition of corneal neovascularization with a nutrient mixture containing lysine, proline, ascorbic acid and green tea extract. *Arch. Med. Res.* 2007; 38: 789-791.
- 14- Jafarzadeh A, Hassanshahi GH, Kazemi-Arababadi M, **Mostafaie A**, Sadeghi M, Nematollahi MA. The comparison of salivary IgA and IgE levels in children with breast- and formula- feeding during infancy period. *Dent. Res. J.* 2007; 4(1): 11-17.
- 13- Hamzavi Y, **Mostafaie A**, Nomanpour B. Serological prevalence of Toxoplasmosis in meat producing animals. *Iran. J. Parasitol.* 2007; 2(1): 7-11.
- 12- Karimzadeh K, **Mostafaie A**, Esmaili Sari A, Pourkazemi M, Zahmatkesh A. Induction and Purification of Cytochrome P4501A1 from β -naphthoflavon- treated Beluga, *Huso huso*. *J. Appl. Ichthyol.* 2006; 22 (S1): 221-225.
- 11- Ravanshad M, Roustai MH, **Mostafaie A**, Sabahi F, Soleimanjahi H, Ziyaeyan M. A Rapid Modified Antibody-Capture Enzyme-Linked Immunosorbent Assay (ELISA) for Detection HSV-1 Primary Infection in Human. *Shiraz E. Med. J.* 2006; 7(2).
- 10- Nikokar I, Makvandi M, Kajbaf MJ, Farajzadeh A, Mirsaeidi M, Kamali E, **Mostafaie A**, Huygen K. Evaluation of Cellular Immune Response against Purified Antigen 85 in Patients with Tuberculosis. *Iran. J. Immunol.* 2006; 3(2): 70-77.
- 9- Rezaie S, **Mostafaie A**, Masumi MA, Rahi H, Rezaie MJ. The frequency of human leukocyte class II antigens in patients with rheumatic heart disease in an Iranian population. *Iran. Heart J.* 2005; 6(1, 2): 83-88.

- 8- **Mostafaie A**, Abdolalizadeh J, Nomanpour B, Karimi R, Bahrami Y. Immunogens of *Brucella abortus* (S19) identified by two-dimensional gel electrophoresis and immunoblotting. *Iran. J. Med. Sci.* 2005; 30(1): 10-15.
- 7- 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: 1-5.
- 6- Hassan ZM, Feyzi R, Sheikhian A, Bargahi A, **Mostafaie A**, Mansoori K, Ghazanfarie T, Shahabi Sh. Low molecular weight fraction of shark cartilage can modulate immune responses and abolish angiogenesis. *Int. Immunopharmacol.* 2005; 5(6): 964-970.
- 5- Pourpak Z, **Mostafaie A**, Hasan Z.M., Kardar GA, Mahmoudi G. A laboratory method for purification of major cow's milk allergens. *J. Immunoass. Immunochem.* 2004; 25 (4): 385-397
- 4- Ali Sheikhian, Zuhair M. Hassan, **Ali Mostafaie**, Fazel Shokri, Reza Malekzadeh and Farideh Siavoshi. Extraction of the outer membrane proteins of *H. pylori* and evaluation of their presence in stool of the infected individuals. *Iran. Biomed. J.* 2004; 8: 83-88.
- 3- Reza Feyzi, Zuhair M. Hassan, **Ali Mostafaie**. Modulation of CD4 and CD8 tumor infiltrating lymphocytes by a fraction isolated from shark cartilage: shark cartilage modulates anti-tumor immunity. *Int. Immunopharmacol.* 2003; 3: 921-926.
- 2- Roodbari F, Roustai MH, **Mostafaie A**, Soleimanjahi H Sabahi F. Development of enzyme-linked immunosorbent assay for Immunoglobulin M antibodies against measles virus. *Clin. Diagn. Lab. Immunol.* 2003; 10(3): 439-442.
- 1- Mehraein F, Akrami-Abarghoei H, Noori-Dalooi MR, **Mostafaii A**, Sadeghizadeh M. Cloning and expression of an interferon $\alpha 2$ gene in *E coli*. *J. Sci. I. R. Iran.* 1999; 10:85-92.

Persian:

- 45- Fakheri T, Badri H, **Mostafaie A**, Mohammadimotlagh, HR, Rezaei M, Nankali A. Apoptotic and cytotoxicity effects of All Trans Retinoic Acid (ATRA) in cultured human uterine myoma. *Sci. J. Kermanshah Univ. Med. Sci.* 2013; 17(6): 351-356
- 44- Darabi N, Roudbar Mohammadi S, Naderi Manesh H, **Mostafaie A**, Vahidi M. Antifungal effect of Zinc oxide nanoparticles on the standard strains of candida albicans biofilm growth on catheters. *J. Army Univ. Med. Sci.* 2012, 10 (3): 207-212.
- 43- Zhalehjoo N, Chalabi M, Parvaneh S, **Mostafaie A**. Purification and Study of Proteolytic Activity of Ficin Enzyme of Fig (Ficus Carica). *Sci J Hamadan Univ Med Sci.* 2013; 20 (2):125-131.
- 42- Yarani R, Mansouri K, Bidmeshkipour A, Mehrabi M, Ebrahimi A, Gholami K, Yari K, **Mostafaie A**. Primary culture of human skin melanocyte and comparison of culture in the presence and absence of phorbol ester. *Tehran University Medical Journal* 2013; 71(3):139-148.
- 41- Mansouri K, Seyfi P, **Mostafaie A**, Mohammadi-Motlagh. Study of the mechanisms and causes related to angiogenesis. *Sci J Kurdistan Univ Med Sci.* 2012; 17(2): 96-107.
- 40- Kakaei M, Zebarjadi A, **Mostafaie A**, Rezaeizad A. Determination of drought tolerant genotypes in *Brassica napus* L. based on drought tolerance indices. *E J C P.* 2011; 3 (4): 107-124.
- 39- Mansouri K, **Mostafaie A**, Mohammadi-Motlagh HR. Angiogenesis and tumor (review article). *Behbood, Scientific Journal of Kermanshah University of Medical Sciences.* 2011; 14(4): 305-315.
- 38- Kakaei M, Zebarjadi A, **Mostafaie A**. Study of protein pattern in *Brassica napus* genotypes under non-stress and drought stress conditions. *Agricultural Biotechnology*, 2010; 9(2): 50-57.
- 37- Bakhtiari M, Mansouri K, **Mostafaie A**, Sadeghi Y, Mozafari H, Ghorbani R, Rezaei tavirani M. Isolation of skin-derived precursors from human foreskin and their differentiation into neurons and glial cells. *Tehran University Medical Journal* 2010; 68(9):508-515.

- 36- Mohammadi-Motlagh HR, Mansouri K, **Mostafaie A**. Plants as useful agents for angiogenesis and tumor growth prevention (review article). *Physiology and Pharmacology* 2010; 14(3): 302-317.
- 35- Mansouri K, **Mostafaie A**, Mohammadi-Motlagh HR, Shakiba Y. Corneal neovascularization (review article). *Scientific Journal of Kurdistan University of Medical Sciences* 2010; 15(1): 87-95.
- 34- Hesari M, Mansouri K, **Mostafaie A**, Bidmeshkipour A. An optimized mixture of kiwifruit actinidin and trypsin for isolation and culture of endothelial cells from rat aorta. *Tehran University Medical Journal* 2010;68(3):153-161.
- 33- **Mostafaie A**, Mohammadi-Motlagh HR, Mansouri K. Angiogenesis and the models to study angiogenesis (review article). *Yakhteh Medical Journal* 2010; 11(4): 374-381.
- 32- Mikaeili A, **Mostafaie A**, Rahimi M, Ghashghaii A. The frequency of *Trichophyton verrucosum* varieties among cows with dermatophytosis in Kermanshah. *Iranian Veterinary Journal* 2009; 4(5): 64-69.
- 31- Kakaei M, Zabarjadi AR, **Mostafaie A**. Comparison of Genetic and Morpho-physiological Distance via SDS-PAGE Marker in Some Rapeseed Genotypes. *Journal of Agricultural biotechnology (Quarterly Scientific Journal)* 2009; 1(2): 79-93
- 30- Mohammadi-Motlagh HR, Mansouri K, Shakiba Y, Keshavarz M, Khodarahmi R, Siami A, **Mostafaie A**. Anti-angiogenic effect of aqueous extract of shallot (*Allium ascalonicum*) bulbs in rat aorta ring model. *Yakhteh Medical Journal* 2009; 11(2): 190-195.
- 29- Norooznezhad AH, Shakiba Y, **Mostafaie A**. Bovine Casein hydrolysis using green Ficus carica extract. *Scientific Journal of Kurdistan University of Medical Sciences* 2009; 13(4): 61-68.

- 28- **Mostafaie A**, Pourmotabbed A, Khalafi A, Nedaei SE, Sahraei H, Hajihosseini R. The effect of morphine dependence on expression of hippocampal N-methyl-D-aspartate receptor subunits in male rats. *Physiology and Pharmacology* 2009; 12(4): 342-350.
- 27- Molla Hassan AT, Pakravan N, Hassan ZM, **Mostafai A**, Moazeni SM, Ebtekar M, Shahabi S, Azadmehr A, Aghajanzadeh H. Evaluation of cell proliferation and interleukine-4 and interferon gama level measurement in Balb/c mice with experimental fibrosarcoma tumor by combination of Gp96-tumor peptide and naloxon. *Journal of Mazandaran University of Medical Sciences* 2008; 18(66): 1-9.
- 26- Adham Fomani E, **Mostafaie A**, Rezaie Tavirani M, Navabi J, Parvaneh S. Determination of *Helicobacter pylori* Immunogenes Using Two-Dimensional Gel Electrophoresis and Immunoblotting. *Journal of Zanjan University of Medical Sciences* 2008; 16(62): 45-55.
- 25- Vaysi S, **Mostafaie A**, Hassan ZM. A simple and efficient method for purification of egg white major proteins using ion exchange chromatography. *Scientific Journal of Hamadan University* 2008; 15(1): 38-43.
- 24- Amir Mozaffari N, Ghazi F, Mostafazadeh A, **Mostafaie A**, Rajabnia R. Characterization of Heat Shock Response in *Brucella melitensis* and Interaction of Heat Shock Protein with Sick and Healthy Sera. *Journal of Iran University of Medical Sciences* 2008; 15(58): 39-48.
- 23- Mansouri K, **Mostafaie A**, Shirvani Z, Bidmeshkipour A. Isolation and primary culture of rat thymic epithelial cells using Kiwifruit actinidin. *Scientific Journal of Kurdistan University of Medical Sciences* 2008; 13(1): 36-43.
- 22- Rajabnia R, Amir Mozaffari N, Ghazi F, Mostafazadeh A, **Mostafaie A**. Characterization of heat shoch proteins *Brucella abortus* and interaction of these proteins with patient and control sera. *Journal of Babol University of Medical Sciences* 2008; 9(6): 22-28.
- 21- Hosseinzadeh Colagar A. **Mostafaie A**. Motallebi M. Zamani MR. Bean Polygalacturonase-inhibiting Proteins Inhibits Polygalacturonase from *Fusarium oxysporum* and *Ascochyta rabiei* of Chickpea. *J. Sci. Technol. Agric. Natur. Resour.* 2007; 11(41): 345-355.

- 20- Riaz-Alhosseini B, Hassan ZM, **Mostafaie A**, Mahdavi M, Hashemi M. Surveying the effect of 100 kD protein of shark cartilage on erythroleukemic K562 cell line and normal lymphocytes. *Azad University Medical Journal* 2007; 17(2): 75-80.
- 19- Bidmeshkipour A, Shirvani Farsani Z, Mansouri K, **Mostafaie A**. Isolation of human umbilical vein endothelial cells using kiwifruit actinidin. *Yakhteh Medical Journal* 2007; 9(2): 151-156.
- 18- Shirvani Farsani Z, Mansouri K, Bidmeshkipour A, **Mostafaie A**. Isolation and primary culture of rat hepatocytes using kiwifruit actinidin. *Scientific Journal of Hamadan University* 2007; 14(2): 16-22.
- 17- Shakiba Y, **Mostafaie A**, Parvaneh Sh. Purification of Kunitz soybean trypsin inhibitor using affinity chromatography. *Scientific Journal of Kurdistan University of Medical Sciences* 2007; 12: 77-83.
- 16- Korani Sh, **Mostafaie A**, Hassan ZM. Purification of egg yolk immunoglobulin (IgY) by three methods; Affinity chromatography, Ion exchange chromatography and Poly ethylene glycol precipitation. *Daneshvar Medical Journal* 2007; 14(68): 51-58.
- 15- Mansouri K, Shikholeslami A, Bahrani Gh, **Mostafaie A**. Isolation of human umbilical vein endothelial cells and development of an angiogenesis model in fibrin matrix. *Journal of Zanjan University of Medical Sciences* 2006; 14(55): 17-23.
- 14- **Ali Mostafaie** Maryam Chalabi. Purifying and analyzing the level of Kiwifruit actinidin in some Iranian cultivars. *J. Sci. Technol. Agric. Natur. Resour.* 2006; 10(3): 223-230.
- 13- Korani S, **Mostafaie A**, Hassan Z, Rostamian A, Khazaie N. Production and Purification of anti-human IgG antibodies from egg yolk by absorption chromatography. *Scientific Journal of Kurdistan University of Medical Sciences* 2005; 10(2): 10-17.
- 12- Rahi H, **Mostafaie A**, Nomanpour B. Purification and characterization of barley Oxalate oxidase. *Behbod Medical Journal*; 2005, 9(3): 1-10.

- 11- Karimzadeh K, **Mostafaie A**, Esmaeli A, Poorkazemi M, Zahmatkesh A. Induction of Cytochrome P4501A1 by β - naphthaflavone and determination of enzyme properties in *Huso huso*. *Iranian Scientific Fisheries Journal* 2005; 14(2): 215-226.
- 10- Karimi R, **Mostafaie A**, Tabaraie B, Bahrami Y, Abdolalizadeh J. Reaction of native and denatured *Brucella abortus* (S19) proteins whit antibody using affinity chromatography and immunoblotting. *Scientific Journal of Hamadan University* 2005; 11(4): 14-22.
- 9- Chalabi M, Bahrami Y, **Mostafaie A**. Study of Kiwifruit Actinidin using SDS-PAGE, Isoelectric focusing and Two-dimensional gel electrophoresis. *Iranian Journal of Biology* 2004; 17(30): 219-226.
- 8- Nikokar I, Kajbaf MJ, Makvandi M, Farajzadeh A, Kamali E, **Mostafaie A**, Huygen K. Isolation and Purification of Ag 85 Complex from *Mycobacterium Bovis* (BCG) and Assessment of its Cell Proliferation Response in Whole Blood. *Yakhteh Medical Journal*, 2004; 6(23): 144-151
- 7- Kalbasi MR, **Mostafaie A**, Majidi J. Purification and partial characterization of Serum Immunoglobulins from Persian sturgeon (*Acipenser persicus*). *Iranian Scientific Fisheries Journal* 2003; 12: 141-152.
- 6- Abdolalizadeh J, **Mostafaie A**, Kharazi H, Nomanpour B, Nomani H. Identification of *Brucella abortus* (S19) immunogens using two-dimensional gel electrophoresis and westen blotting. *Behbod Medical Journal* 2003; 7(1): 11-21.
- 5- Karimzadeh K, **Mostafaie A**, Esmaili Sari A, Pourkazemi M, Zahmatkesh A. Effects of 3-Methyl Cholantheren on Liver Microsomal Mixed Function Oxidase Activities of *Acipenser persicus*. *Scientific Research Journal of Iranian Marine Sciences* 2003; 2(4): 71-80.
- 4- **Mostafaie A**, Vazirian Sh, Kashani M. Reference range of IgG, IgA, IgM, C3, C4 and CH50 in Kermanshah population. *Behbod Medical Journal* 2001; 5(1): 1-8.
- 3- **Mostafaie A**, Hassan ZM, Tabaraie B. Extraction and purification of *Brucella abortus* (S19) major outer membrane proteins. *Behbod Medical Journal*, 2000; 4(2): 28-34.

2- **Mostafaie A**, Rahi H, Naseri M. Purification of peroxidase from *Raphanus sativus* var. *Nigra*. *Behbod Medical Journal* 2000; 4(1): 8-16.

1- **Mostafaie A**, Hassan ZM, Tabaraie B. Extraction and purification of lipopolysaccharides from *Brucella melitensis*. *Kowsar Medical Journal* 2000; 5(1): 8-17.

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