

# Dr. Ali Mostafaie

## Professor



**1-School of Medicine**

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### **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 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:

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113-

112- Askari V, **Mostafaie A**, Khaleqi S, Shamlou S. Ethyl acetate fraction of *Teucrium polium* extract abolishes human umbilical vein endothelial cells (HUVEC) tubulogenesis in collagen bed through suppression of cell proliferation/VEGF secretion.

111- Rasouli S, Abdolmohammadi A, Zebarjadi A, **Mostafaie A**. Evaluation of polymorphism in *IGF-I* and *IGFBP-3* genes and their relationship with twinning rate and growth traits in Markhoz goats. *Ann. Anim. Sci.* 2017; 17(1): 89-103.

110- Khademi F, **Mostafaie A**, Parvaneh S, Gholami Rad F, Mohammadi P, Bahrami G. Construction and characterization of monoclonal antibodies against the extracellular domain of B-lymphocyte antigen CD20 using DNA immunization method. *Int Immunopharmacol.* 2017; 43: 23-32.

109- Solaimani B, **Mostafaie A**, Hafezian SH, Rahimi Mianji G, Mansouri K, Chaharaein B, Tajehmiri A, Sharifi Tabar M. Bovine sex determining region Y: Cloning, optimized expression and purification. *Anim. Biotechnol.* 2017; 28(1): 44-52.

108- Khademi F, Mohammadi P, Yari Kh. **Mostafaie A**. Resistance of cloned 1F5 chimeric anti-CD20 antibody heavy-chain gene to DNA polymerase due to a predicted hairpin structure during PCR and sequencing. *Res. Mol. Med.* 2016; 4(4):

107- Sanadgol N, Golab F, **Mostafaie A**, Mehdizadeh M, Abdollahi M, Sharifzadeh M, Ravan H. Ellagic acid ameliorates cuprizone-induced acute CNS inflammation via restriction of microgliosis and down-regulation of CCL2 and CCL3 pro-inflammatory chemokines. *Cell. Mol. Biol.* 2016; 62(12): 24-30.

106- Shamlou S, Gorgin Karaji A, Hasanpoor Z, Askari V, **Mostafaie A**. The effect of shallot (*Allium hirtifolium*) extract on profile of Th1/Th2 cytokines in BALB/c mouse splenic lymphocytes. *J. Rep. Pharm. Sci.* 2016; 5(2): 61-66.

105- Khaleghi S, Bahrami G, Mahmoodi M, Asgari V, **Mostafaie A**. Hypoglycemic effect of hydroalcoholic extract and hexane fraction of Persian Shallot (*Allium hirtifolium Boiss*) in streptozotocin-induced diabetic rats. *J. Rep. Pharm. Sci.* 2016; 5(1): 33-40.

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102- Tahmasebi H, Khoshgard K, Sazgarnia A, **Mostafaie A**, Eivazi MT. Enhancing the efficiency of 5-aminolevulinic acid-mediated photodynamic therapy using 5-fluorouracil on human melanoma cells. *Photodiagnosis Photodyn. Ther.* 2016; 13: 297-302.

101- Rezaei O, Khodadadi A, Heike Y, **Mostafaie A**, Gerdabi ND, Rashno M, Abdoli Z. Assessment of Relationship between Wilms' Tumor Gene (WT1) Expression in Peripheral Blood of Acute Leukemia Patients and Serum IL-12 and C3 Levels. *Asian Pac. J. Cancer Prev.* 2015; 16(16): 7303-7307.

100- Rezaei R, **Mostafaie A**, Gorgin Karaji A, Mansouri K. The Effect of Standardized Extract of Echinacea Purpurea on Cytotoxicity and Proliferation of Rat Splenocytes. *J. Appl. Biol. Sci.* 2015; 9(2): 19-22.

99- Khodarahmi R, Ashrafi-Kooshk MR, Khodarahmi S, Ghadami SA, **Mostafaie A**. Possible peroxidase active site in amyloidogenic protein: Native monomer or misfolded-oligomer; which one is susceptible to the enzymatic activity, contribution of heme? *Int. J. Biol. Macromol.* 2015; 80: 293-301.

- 98- Kargar SMA, **Mostafaie A**, Majidi-Hervan E, Pourdad SS. Study on genetic variation of 14 soybean cultivars using cluster and factor analysis under water stress and non-stress conditions. *J Bio. Env. Sci.* 2015; 6(3): 100-112.
- 97- Abbasi A, **Mostafaie A**, Bahrami G, Mansouri K. The effect of cis and trans vaccenic acids on expression of ICAM-1 and VCAM-1 in human microvascular endothelial cells (HMEC). *J. Rep. Pharm. Sci.* 2015; 4(1): 65-74.
- 96- Ahmadi F, Deraksandeh K, Jalalizadeh A, **Mostafaie A**, Hosseinzadeh L. Encapsulation in PLGA-PEG enhances 9-nitro-camptothecin cytotoxicity to human ovarian carcinoma cell line through apoptosis pathway. *Res. Pharm. Sci.* 2015; 10(2): 161-168.
- 95- Rahimi R, Ebtekar M, Moazzeni SM, **Mostafaie A**, Mahdavi M. Optimization of multi-epitopic HIV-1 recombinant protein expression in prokaryote system and conjugation to mouse DEC-205 monoclonal antibody: implication for *in vivo* targeted delivery of dendritic cells. *Iran. J. Basic Med. Sci.* 2015; 18(2): 145-152.
- 94- Mohamed Khosroshahi L, Nikoo M, Hasanpoor Z, **Mostafaie A**. Effect of *Tribulus terrestris* aqueous extract on survival and growth of human peripheral blood mononuclear cells (hPBMC) and several cancerous cell lines. *J. Rep. Pharm. Sci.* 2015; 4(1): 24-29.
- 93- Mehrabi M, Mansouri K, Hosseinkhani S, Yarani R, Yari K, Bakhtiari M, **Mostafaie A**. Differentiation of human skin-derived precursor cells into functional islet-like insulin-producing cell clusters. *In Vitro Cell Dev. Biol.* 2015; 51(6): 595-603.
- 92- Ghaffarinia A, Jalili S, **Mostafaie A**, Parvaneh S, Pakravan N. Liver damage and mortality in a male Lewis rat of experimental autoimmune encephalomyelitis. *Iran. J. Pathol.* 2015; 10(1): 9-16.
- 91- Khademi F, Mohammadi M, Kiani A, Haji hosseini R, Parvaneh S, **Mostafaie A**. Efficient Conjugation of Aflatoxin M1 with Bovine Serum Albumin through AFM1-(O-carboxymethyl) oxime and Production of Anti-aflatoxin M1 Antibodies. *Jundishapur J. Microbiol.* 2015; 8(4): e16850.

- 90- Yavari N, Emamian F, Yarani R, Mohammadi-Motlagh HR, Mansouri K, **Mostafaie A**. *In vitro* inhibition of angiogenesis by heat and low pH stable hydroalcoholic extract of Peganum harmala seeds via inhibition of cell proliferation and suppression of VEGF secretion. *Pharm. Biol.* 2015; 53(6): 855- 861.
- 89- Pakravan N, Ghaffarinia A, Jalili C, Riazi-Rad F, Tajedini M, **Mostafaie A**. Seminal vesicle fluid ameliorates experimental autoimmune encephalomyelitis by increasing FoxP3+ regulatory T-cell numbers. *Cell. Mol. Immunol.* 2014; 12: 116-118.
- 88- Moradpour K, Najaphy A, Mansoorifar S, **Mostafaie A**, Bakhtiari M Kiani S. Evaluation of leaf proteome in wheat genotypes under drought stress. *Int. J. Adv. Biol. Biomed. Res.* 2014; 2(3):831-839.
- 87- Kargar SMA, **Mostafaie A**, Majidi Hervan E, Pourdad SS. Evaluation of soybean genotypes using drought stress tolerant indices. *Int. J. Agron. Agric Res.* 2014; 5(2): 103-113.
- 86- Moradpour K, Najaphy A, Mansoorifar S, **Mostafaie A**. Evaluation of leaf protein pattern in wheat genotypes under drought stress. *Int. J. Adv. Biol. Biomed. Res.* 2014; 2(3):840-846.
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- 84- Hashemitabar M, Bahmanzadeh M, **Mostafaie A**, Orazizadeh M, Farimani M, Nikbakht R. A proteomic analysis of human follicular fluid: comparison between young and old women. *Int. J. Mol. Sci.* 2014; 15: 17518-17540.
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81- Fereidunian AH, Sadeghalvad M, Omidi Oscoie M, **Mostafaie A**. Purification of soybean Bowman-Birk protease inhibitor (BBI) and identification the mechanisms of BBI suppressive effect on growth of two adenocarcinoma cell lines: AGS and HT29. *Arch. Med. Res.* 2014; 45: 455-461.

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