

In the name of Allah

CURRICULUM VITAE



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PhD THESIS:

"Study of the effect of β Hsp90 on the structure and immunogenicity of Core HCV and HBV HbsAg proteins"

Topic Projects:

- Recombinant protein vaccine designing and production against Hepatitis B&C, Poliovirus, Peunomococcus, Acinetobacter, Brucellosis and Cancer cells
- Bacterial Proteomics
- Protein engineering
- Rapid strip test for emergency diseases

Full articles:

1. Delsuz Rezaee, **Mojgan Bandehpour**, Bahram Kazemi, Mohammad Salehi, Role of intrauterine administration of transfected peripheral blood mononuclear cells by GM-CSF on embryo implantation and pregnancy rate in mice, *Molecular Human Reproduction*, 2020, <https://doi.org/10.1093/molehr/gaz068>
2. Armina Alagheband Bahrami, **Mojgan Bandehpour**, Bahman Khalesi, Bahram Kazemi, Computational Design and Analysis of a Poly-Epitope Fusion Protein: A New Vaccine Candidate for Hepatitis and Poliovirus, *International Journal of Peptide Research and Therapeutics*, 2020; 26:389-403
3. Armina Alagheband Bahramia, Mojgan Bandehpoura, Bahram Kazemib, Mahmood Bozorgmehrc, Nariman Mosaffad, Rouzbeh Chegenie, Assessment of a poly-epitope candidate vaccine against Hepatitis B, C, and poliovirus in interaction with monocyte-derived dendritic cells: An ex-vivo study, **Human Immunology**, 2020, 81:218-227
4. Amin Barkhordari, Abbas Behzad-Behbahani, Vahid Jajarmi, **Mojgan Bandehpour**, Gholamreza Rafiei Dehbidi, Fatemeh Safari, Fereydoun Mahboudi, Bahram Kazemi. Direct Cloning, Expression and Purification of Human Activated Thrombin in Prokaryotic System and CD Analysis Report of Produced Thrombin: Molecular Characterization of Recombinant Thrombin, *International Journal of Peptide Research and Therapeutics*, 2020; <https://doi.org/10.1007/s10989-020-10046-2>
5. Aliyar MIRZAPOUR, Seyyed Javad SEYYED TABAEI, **Mojgan BANDEHPOUR**, Ali HAGHIGHI, Bahram KAZEMI, Designing a Recombinant Multi-Epitope Antigen of *Echinococcus granulosus* to Diagnose Human Cystic Echinococcosis, *Iran J Parasitol: Vol. 15, No. 1, Jan-Mar 2020*, pp.1-10.
6. Samira Bahrami, Ali Gheysarzadeh, Mehdi Sotoudeh, **Mojgan Bandehpour**, Reza khabazian, Hakimeh Zali, Mehdi Hedayati, Abbas Basiri, Bahram kazemi, The Association Between Gelsolin-like Actin-capping Protein (CapG) Overexpression and Bladder Cancer Prognosis, *Urology Journal*, 2020, doi: 10.22037/uj.v0i0.5664. Online ahead of print.
7. Abbas Alibakhshi, **Mojgan Bandehpour**, Zarin Sharifnia, Bahram Kazemi, The development and evaluation of a multi-epitope antigen as a serodiagnostic marker of *Toxoplasma gondii* infection, *Adv Clin Exp Med*. 2020;29(6)
8. Hediye Rafighdoust, Shahrzad Ahangarzadeh, Fatemeh Yarian, Ramezan Ali Taheri, Arezou Lari, **Mojgan Bandehpour**, Mona Salahshoor Dahr, Bioinformatics prediction and experimental validation of VH antibody fragment interacting with *Neisseria meningitidis* factor H binding protein, *Iran J Basic Med Sci* 2020; 23:1-6.
9. Akram Jalali, **Mojgan Bandehpour**, Rouzbeh Chegeni, Hossein Ghanbarian, Yasaman Mardani-Dashti, Sayyed Hamid Zarkesh-Esfahani & Bahram Kazemi, Expression, Purification, and Evaluation of Anti-IL-2R α Antibody Secreted by *Leishmania tarentolae*, 2020, *International Journal of Peptide Research and Therapeutics*
10. Mahmoud Vahidi, **Mojgan Bandehpour***, Bahram Kazemi, Mahmood Bozorgmehr, Production Design of Efficient Recombinant Human Granulocyte-Macrophage Colony-Stimulating Factor Under a Gene-Specific Promoter in Prokaryotic System, *Crescent Journal of Medical and Biological Sciences*, Vol. 7, No. 3, July 2020, 314–321
11. Sargol Aminnejad, Ahya Abdi-Alia, Tooba Ghazanfarib, **Mojgan Bandehpour**, Mahboobe Zarrabie, Immunoinformatics design of multivalent chimeric vaccine for modulation of the immune system in *Pseudomonas aeruginosa* infection. *Infection, Genetics and Evolution*. 2020. 85:104462

12. Fatemeh Zahedipour, Rouzbeh Chegeni, Shivasadat Gheflat, Bahram Kazemi, **Mojgan Bandehpour**. Heart Diseases Associated Genes. *Novelty in Biomedicine*. 2020. 8(3):135-41.
13. Armina Alagheband Bahrami, **Mojgan Bandehpour**, Bahram Kazemi, Mahmood Bozorgmehr, Nariman Mosaffa, Rouzbeh Chegenie. Assessment of a poly-epitope candidate vaccine against Hepatitis B, C, and poliovirus in interaction with monocyte-derived dendritic cells: An ex-vivo study, *Human Immunology*, 2020
14. Narges Dadfarma, Golgis Karimi, Jamileh Nowroozi, Naser Nejadi, Bahram Kazemi, **Mojgan Bandehpour**, Proteomic analysis of *Lactobacillus casei* in response to different pHs using two-dimensional electrophoresis and MALDI TOF mass spectroscopy, *Iranian Journal of Microbiology*, 2020; 12(5), 431-436.
15. Zarin Sharifnia, **Mojgan Bandehpour**, Hamed Hamishehkar, Nariman Mosaffa, Bahram Kazemi, Nosratollah Zarghami, In-vitro Transcribed mRNA Delivery Using PLGA/PEI Nanoparticles into Human Monocyte-derived Dendritic Cells, *Iranian Journal of Pharmaceutical Research*, 2019,18(4); 1659-1675
16. Armina Alagheband Bahrami, Zahra Payandeh, Saeed Khalili, Alireza Zakeri & **Mojgan Bandehpour**, Immunoinformatics: In silico study and computational design of a multi-epitope, immunogenic protein, *International Reviews of Immunology*, 2019, doi:10.1080/08830185.2019.1657426
17. Sharifnia Z, **Bandehpour M**, Kazemi B, Zarghami N, Design and Development of Modified mRNA Encoding Core Antigen of Hepatitis C Virus: a Possible Application in Vaccine Production, *Iranian Biomedical Journal* 23(1): 57-67 January 2019
18. Fatemeh Yarian, Bahram Kazemi, **Mojgan Bandehpour**, Identification and characterization of a novel single-chain variable fragment (scFv) antibody against *Neisseria meningitidis* factor H-binding protein (fHbp). *J Med Microbiol.* 2018, 67: 820-827
19. Elaheh Dianati, **Mojgan Bandehpour**, Mehrdad Hashemi and Bahram Kazemi, Amidolytic Activity of Factor VII Expressed in Iranian Lizard *Leishmania*, *Trends in Peptide and Proteins*, 2018;3(DOI: <http://dx.doi.org/10.22037/tpps.v3i0.20924>)
20. Shirin Eyvazi, Safar Farajnia, Siavoush Dastmalchi, Farzad Kanipour, Habib Zarredar, **Mojgan Bandehpour**, Antibody based EpCAM targeted therapy of cancer, *Current Cancer Drug Target*, 2018,18,DOI: 10.2017/1568009618666180102102311
21. Shirin Eyvazi, Bahram Kazemi, **Mojgan Bandehpour**, Siavoush Dastmalchi, Identification of a novel single chain fragment variable antibody targeting CD24-expressing cancer cells, *Immunology Letters* 190,2017, 240-246
22. Shirin Eyvazi, Bahram Kazemi, Siavoush Dastmalchi, **Mojgan Bandehpour**, Involvement of CD24 in Multiple Cancer Related Pathways Makes It an Interesting New Target for Cancer Therapy, *Current Cancer Drug Targets*, 2017, 17(9), epub
23. Marzieh Sameni¹, Mazaher Gholipourmalekabadi, **Mojgan Bandehpour**, Mehrdad Hashemi, Farzin Sahebjam, Varya Tohidi, Bahram Kazemi, Evaluation of In vivo Bioactivity of a Mutated Streptokinase, *Novelty in Biomedicine*, 2017
24. **Mojgan Bandehpour**, Fatemeh Yarian and Shahrzad Ahangarzadeh, Bioinformatics evaluation of novel ribosome display-selected single chain variable fragment (scFv) structure with factor H binding protein through docking, *Journal of Theoretical and Computational Chemistry* Vol. 16, No. 3 (۲۰۱۷)

25. Shahrzad Ahangarzadeh , **Mojgan Bandehpour**, Bahram Kazemi, Selection of single-chain variable fragments specific for Mycobacterium tuberculosis ESAT-6 antigen using ribosome display, . Iran J Basic Med Sci 2017; 20:327-333
26. Hajar Yaghoobi, Bahram Kazemi, and **Mojgan Bandehpour**, Sensitization of Radio-Resistant Lung Cancer Cells with a B Subunit of Bacterial Cytolethal Distending Toxin from *Aggregatibacter actinomycetemcomitans*, Iran J Cancer Prev. 2017,10(2):e5792.
27. Hajar Yaghoobi , **Mojgan Bandehpour** *, Effect of Human HSP90 on Secondary and Tertiary Structures of Core Protein of Hepatitis C Virus and HbsAg of Hepatitis B Virus, 2017,TPPS. 1 : (Y)
28. Hajar Yaghoobi , **Mojgan Bandehpour** *, Effect of Human HSP90 on Secondary and Tertiary Structures of Core Protein of Hepatitis C Virus and HbsAg of Hepatitis B Virus, 2017,TPPS. 1(2):
29. Milad Taherian, Hajar Yaghoobi and **Mojgan Bandehpour***, Evaluation of the Coagulant Effect of the Zanjani and Latifi Viper Venom Endemic in Iran, Trends in Peptide and Protein Sciences 2016; 1(1):27-30
30. Hajar Yaghoobi, **Mojgan Bandehpour***, Bahram Kazemi, Apoptotic Effects of the B Subunit of Bacterial Cytolethal Distending Toxin on the A549 Lung Cancer Cell Line, Asian Pacific Journal of Cancer Prevention, Cancer Control in Western Asia Special Issue, 2016,17:299-304
31. Fatemeh Jafarinejad, **Mojgan Bandehpour***, Shiva Sadat Gheflat, Bahram Kazemi, Evaluation of Modification in M2 gene of Influenza H1N1 virus in expression in BL21 E-coli, The Quarterly journal of School of Medicine, 2016; 39, 2: 69-73
32. A Rashnonejad, C Gündüz, SY Süslüer, H Onay, B Durmaz, **M Bandehpour** and F Özkınay, In vitro gene manipulation of spinal muscular atrophy fibroblast cell line using gene-targeting fragment for restoration of SMN protein expression, Gene Therapy. 2016; 23, 10 –17
33. Fatemeh Yarian, **Mojgan Bandehpour***, Negar Seyed, Bahram Kazemi, Cloning, expression and purification of the factor H binding protein and its interaction with factor H, Iranian Journal of Microbiology, 2016, 8 (1): 29-35
34. Tina Nafarieh, **Mojgan Bandehpour**, Latif Gachkar, Sodabeh Taheri, Ali Hashemi, Amirhossein Lotfi, Vahid Yardeh, Hamidreza Jamaati, Zarin Sharifnia, Nariman Mosaffa, The study of serum antibody level in patients with *Acinetobacter baumannii* infection and comparing with healthy people and intensive care unit personnel, Pajoohandeh, 2016, 20(3): 171-180
35. Hadi Mirzaei, Bahram Kazemi, **Mojgan Bandehpour**, Alireza Shoari, Vahid Asgari, Mehdi Shafiee, Armin Madadkar-Sobhani, Reza Ahangari Cohan, Computational and nonglycosylated systems: a simpler approach for development of nanosized PEGylated proteins, Drug Design, Development and Therapy, 2016:10 1–8
36. Somaie Tavakoli, **Mojgan Bandehpour**, Zeinab Soleimanifar, Mehdi Goudarzi, Bahram Kazemi, Cloning and Expression of Recombinant Nucleoprotein of Influenza H1N1, Novelty in Biomedicine 2015;2:53-6
37. Mahboobeh Mobarrez, **Mojgan Bandehpour**, Massoud Salehmoghadam, Bahram Kazemi, Fibrinolytic Activity of Recombinant Mutant Streptokinase, Novelty in Biomedicine 201 5; 2: 89-93
38. Mahdieh Javaherian, Zarin Sharifnia, Robabeh Taheripanah, **Mojgan Bandepour**, Mohammad Soleimani, Bahram Kazemi, Using recombinant *Chlamydia trachomatis* OMP2 as antigen in diagnostic ELISA test, Iranian Journal of Microbiology, 2014;6(1): 8-13

39. Hossein Piri , Bahram Kazemi , Iraj Khodadadi , Maryam Javadi , **Mojgan Bandehpour**, Jamshid Karimi , Amir Ziaee , Amaneh Koochaki , Ali Torabi , Mohammad Taghi Goodarzi. Preparation of Preproinsulin Gene Construct Containing the Metallothionein2A (pBINDMTChIns) and Its Expression in NIH3T3 Cell Line and Muscle Tissue of Alloxan Diabetic Rabbits. *Avicenna J Med Biochem*. 2014; 2(2): e21646.
40. Marzieh Sadeghi, **Mojgan Bandehpour**, Fatemeh Yarian, Vahidreza Yassaee, Elham Torbati, Bahram Kazemi, Cloning and Expression of Influenza H1N1 NS1 Protein in *Escherichia Coli* BL21, Iran J Biotech. 2014; 12(1).
41. Shahab Shafeian, **Mojgan Bandehpour**, Sina Mirzaahmadi, Azadeh Tofighi, Identification of Anaerobic Bacteria in patients with Rheumatoid Arthritis. *Novelty in Biomedicine*, 2013; 1: 39-42
42. Mohsen Rahmanian Kooshkaki, **Mojgan Bandehpour**, Bahram Kazemi, The design of the constructs of cpsD and simA genes of *Streptococcus iniae*, *Novelty in Biomedicine*, 2013; 1(4): 92-96.
43. H. Hashemi, S. Pouyanfard, **M. Bandehpour**, M. Mahmoudi, M. Bernasconi, B. Kazemi, T. Mokhtari-Azad, Efficient endotoxin removal from T7 phage preparations by a mild detergent treatment followed by ultrafiltration, *Acta virologica*, 2013; 57: 373-374.
44. Zarin Sharifnia, Nariman Mosaffa, Mahvash Khodabandeh, Roya Yaraee, Bahram Kazemi, **Mojgan Bandehpour**, Human β sp90 as adjuvant in HCV Recombinant vaccine, *Journal of Paramedical Sciences*, 2013; 4(3) 99-105.
45. Elham Torbati, **Mojgan Bandehpour**, Parviz Pakzad, Nariman Mosaffa, Ameneh Koochaki, Bahram Kazemi, The Evaluation of Hepatitis C Virus Core Antigen in Immunized Balb/C Mice, *Hepat Mon*. 2012; 12(6): 391-397
46. **Mojgan Bandehpour**, Zarrin Sharifnia, Nasrin Mohajeri, Maryam Taherkhani, Ameneh Koochaki, Fatemeh Yarian, Negar Seyyed, Ramin Shirvani, Parviz Pakzad, Habibollah Saadat and Bahram Kazemi, Comparative study of the reactivity of natural and mutated streptokinase with total antistreptokinase antibodies in human sera, *Blood Coagulation and Fibrinolysis* 2012; 23.
47. Somayeh Pouyanfard, Taravat Bamdad, Hamidreza Hashemi, **Mojgan Bandehpour**, Bahram Kazemi Induction of Protective Anti-CTL Epitope Responses against HER-2-Positive Breast Cancer Based on Multivalent T7 Phage Nanoparticles, *PLOS ONE*. 2012; 7(11): e49539
48. Hamidreza Hashemi, Somayeh Pouyanfard, **Mojgan Bandehpour**, Zahra Noroozbabaei, Bahram Kazemi, Xavier Saelens, Tala Mokhtari-Azad, Immunization with M2e-Displaying T7 Bacteriophage Nanoparticles Protects against Influenza A Virus Challenge, *PLOS ONE*. 2012; 7(9): e45765.
49. Hossein Piri, Bahram Kazemi, Mohsen Rezaei, **Mojgan Bandehpour**, Iraj Khodadadi, Taghi Hassanzadeh, Jamshid Karami, Fatemeh Yarian, Habibillah Peirovi, Amir Hossein Tavakoli, Mohammad Taghi Goodarzi, Construction of Plasmid Insulin Gene Vector Containing Metallothionein IIA (pcDNAMTChIns) and Carbohydrate response element (ChoRE), and Its Expression in NIH3T3 Cell Line, *Int J Endocrinol Metab*. 2012; 10(3): 543-547.
50. Nasrin Mohammadi, **Mojgan Bandehpour**, Fatemeh Yarian, Parviz Pakzad, Bahram Kazemi, Mehdi Besharat, Cloning and expression of *Corynebacterium diptheriae* toxin gene, *African Journal of Microbiology Research* .2011; 5(19): 3018-3023
51. Golnaz Asaadi Tehrani, Sina Mirzaahmadi, **Mojgan Bandehpour**, Faramarz Laloei, Akram Eidi, Toraj Valinasab and Bahram Kazemi, Molecular cloning and expression of the luciferase coding genes of *Vibrio fischeri* , *African Journal of Biotechnology*. 2011; 10(20): 4018-4023

52. Atieyeh Taherian Fard, Fariha Hasan, **Mojgan Bandehpour**, Nariman Mosaffa, Fatemeh Mashhadi Abbas, Abdul Hameed, Aamer Ali Shah and Bahram Kazemi - Cloning and expression of C-terminal of *Clostridium perfringens* type A enterotoxin and its biological activity, African Journal of Microbiology Research 2010; 4(14):1469-1474
53. **Mojgan Bandehpour**, Mahvash Khodabandeh, Nariman Mosaffa and Bahram Kazemi. Designing an efficient procedure for Purification of Recombinant Human β HSP90. DARU J. 2010
54. Kazemi B, Tohidi F, **Bandehpour M**, Yarian F, Molecular cloning, expression and enzymatic assay of pteridine reductase 1 from Iranian lizard *Leishmania*. Iran Biomed J.2010; 14(3):97-102
55. **Mojgan Bandehpour**, Narges Abdali, Farzaneh Sadeghi, Kazem Parivar, Zarrin Sharifnia, Hossein Ryahi Ali Haghighi and Bahram Kazemi. Cloning and expression of Brucella Cyclic β -1, 2 Glucan Transporter Gene. Iranian Journal Of Clinical Infectious Diseases.2009; 4(1): 3-7.
56. **Mojgan Bandehpour**, Mahvash Khodabandeh, Bahram Kazemi. Cloning and Expression of Hepatitis B virus Surface Antigen. Hepatitis Monthly. 2008; 8(1): 17-21.
57. Negar Seyed, Parvaneh Shekari, **Mojgan Bandehpour**, Zarrin Sharifnia, Kazem Parivar, Bahram Kazemi. Production of mutant streptokinase recombinant protein. Iranian Journal Of Clinical Infectious Diseases. 2008;3(4): 179-183.
58. Bahram Kazemi, Negar Seyed, **Mojgan Bandehpour**, and Parviz Pakzad. Cloning, Expression and Purification of Truncated Chlamydia trachomatis OMP2 Protein and its Serological Assay by ELISA. Iran.J.Immunol. 2008;5.3.
59. Bahram Kazemi, Negar Seyed, **Mojgan Bandehpour**, Parviz Pakzad. Cloning, Expression and Purification of Truncated Chlamydia trachomatis OMP2 Protein and its Serological Assay by ELISA. Iranian Journal of Immunology.2008;5 (3): 148-155.
60. Bahram Kazemi, **Mojgan Bandehpour**, Negar Seyed, Mehrnaz Roozbehi and Nariman Mosaffa. Cloning and Expression of HCV Core Protein in pGemex-1 Expression Vector. Arch Iranian Med. 2008;11(2): 173- 178.
61. Bahram Kazemi, Shaily Varasteh- Moradi, **Mojgan Bandehpour**, Negar Seyed, Parviz Pakzad, Farzaneh Tafviziand. Genotypic determination of Hepatitis C virus in Tehran using PCR-RFLP analysis. Gene Therapy and Molecular Biology. 2007;11(B): 321-328
62. **Mojgan Bandehpour**, Negar Seyed, Mehdi Shadnoosh, Parviz Pakzad, Bahram Kazemi. Using recombinant Chlamydia Major Outer Membrane Protein (MOMP) in ELISA diagnostic kit. Iranian Journal of Biotechnology.2006; 4(4): 239- 244
63. Bahram Kazemi, Faranak Fallahian, Negar Seyed, **Mojgan Bandehpour**, Ashraf Shabani and Parinaz Ghadam. Molecular cloning of the streptokinase mutant gene. Pakistan journal of Biological Sciences. 2006;9(3): 557-559
64. Bahram Kazemi, Farzaneh Tafvizi and **Mojgan Bandehpour**. Determination of HCV genotypes in Iran. Biotechnology.2005;4(2):139-143.
65. Bahram Kazemi, **Mojgan Bandehpour**, Hamed Yahyazadeh. Mahnaz Roozbehi, Negar Seyed, Abbas Ghotasloo, and Akram Taherpour. Comparative study on HCV detection in Iranian patients by RT- PCR and ELISA techniques during 2001-2003. Journal of Medical Sciences. 2004;4(2):132- 135.

BOOKS:

تالیف کتاب "مقدمه ای بر سیستم ایمنی انسان و انواع واکنشها"

تالیف کتاب "مهندسی پروتئینها"

کتابهای ترجمه در سایت دانشکده ثبت شده است.