

**In the name of Allah**

**CURRICULUM VITAE**

**Name:** Mojgan  
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**Gender:** Female  
**Date of Birth:** 30/06/1348; (August 20, 1969)  
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**Educational Background: (Date, Degree, Title, Institution)**

2005 – 2009	PhD	Molecular Genetics National Research Institute of Genetics Engineering and Biotechnology
1998-2001	MS	Medical Microbiology Department of Microbiology Shahid Beheshti University of Medical Sciences Faculty of Medicine Tehran, Iran
1992-1995	BS	Laboratory Sciences, Microbiology Tabriz University of Medical Sciences Faculty of Medicine Tabriz, Iran
1988 -1990	AS	Laboratory Sciences Tabriz University of Medical Sciences Faculty of Medicine Tabriz, Iran

**Employment(s): (Date, post, place)**

1999-2001            Researcher            Department of Microbiology, Virology Lab. Faculty of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran

2002-2011            Researcher            Cellular and molecular Biology Research Center, School of Medicine, Shahid Beheshti University of Medical Sciences, Chamran, Evin, Tehran-Iran..

2011- 2015            Assistant professor    Biotechnology Department, School of Medicine, Shahid Beheshti University of Medical Sciences, Chamran, Evin, Tehran-Iran..

**MSc THESIS:**

"The Prevalence of Mycoplasma and Listeria infections in women with abortion"  
Department of Microbiology, Faculty of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran

### PhD THESIS:

"Study of the effect of  $\beta$ Hsp90 on the structure and immunogenicity of Core HCV and HBV HbsAg proteins"

Cellular and molecular Biology Research Center, School of Medicine, Shahid Beheshti University of Medical Sciences, Chamran, Evin, Tehran-Iran. and National Research Institute of Genetics Engineering and Biotechnology, Tehran, Iran

### Scientific interests:

- Molecular Virology and prevention of viral diseases by molecular methods like recombinant vaccines, Antigenome vaccinology and RNA vaccine
- The proteomics science

### Awards:

- 1- The chosen researcher in the 14<sup>th</sup> Razi Research Festival on Medical Sciences, 2008.
- 2- The chosen assistant professor in the faculty of medicine research festival, 2011

### Grants:

- 1- The 14<sup>th</sup> Razi Research Festival's grant on Medical Sciences, 2008.
- 2- The Grant of the young assistant professor from Bonyad Melli Nokhbegan, 2012.

### Printed Articles:

1- 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

2- Alaleh Ghazifard, Mohammad Salehi, Marefat Ghaffari Novin, Mojgan Bandehpour, Somayeh Keshavarzi, Vahid FallahNovin, **Mojgan Bandehpour**, Vahid FallahOmrani, Maryam Dehghani-Mohammadabadid, Reza Farahani, Ahmad Hosseini, "Anacardic Acid Reduces Acetylation of H4K12 in Mouse Oocyte During Vitrification", Cell Journal(Yakhteh), 2019; 20,4, : 80.

3- 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

4- Reza Keikha, **Mojgan Bandehpour**, Shabnam Jeibouei, Bahram Kazemi, Immunogenicity and Efficacy of Polytope DNA Vaccine Against Cutaneous Leishmaniosis In Vivo, Health Scope. 2018 February; 7(1):e63159. doi: 10.5812/jhealthscope.63159

5- 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>)

6- Ali GHANBARIASAD, **Mojgan BANDEHPOUR**, Hajar YAGHOobi, Bahram KAZEMI, Suicide gene therapy for breast cancer with a suicide-inducing vector carrying the mammaglobin-1 promoter, Minerva Biotechnologica 2018 June;30(2):45-50

7- 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

8- Mahboudi H, Soleimani M, Hanaee-Ahvaz H, Ghanbarian H, **Bandehpour M**, Enderami SE, Kazemi B. [New Approach for Differentiation of Bone Marrow Mesenchymal Stem Cells Toward Chondrocyte Cells](#)

[With Overexpression of MicroRNA-140](#). ASAIO J. 2018 Sep/Oct;64(5):662-672. doi: 10.1097/MAT.0000000000000688.

9- Mahnaz Seifi-Alan, Roshanak Shamsi, **Mojgan Bandehpour**, Reza Mirfakhraie, Soudeh Ghafouri-Fard, Neuropilin-1 expression is associated with lymph node metastasis in breast cancer tissues, *Cancer Management and Research* 2018;10, 1969- 1974

10- Shahla Korani ,**Mojgan Bandehpour**, Adel Haghighi, Amin Reza Nikpour, Bahram Kazemi, The Effect of Human Recombinant Tumor Necrosis Factor Receptor-2 on Reducing Inflammatory of Collagen-induced Arthritis in Balb/c mice, *Iranian Journal of Biotechnology*, 2018

11- Mahmoud Vahidi, **Mojgan Bandehpour**, Bahram Kazemi, Production Design of Efficient Recombinant Human Interleukin-4 (rhIL-4) under Specific Promoter in Escherichia coli, 2018, *Trends in Peptide and Protein Sciences*, vol3

12- **Bandehpour M**, Nafarieh T, Zahedipour F, Tavasoli A, Kazemi B. CRISPR-Cas9 Mediated Capsule Gene Silencing in Escherichia coli. *Novel Biomed.* 2018;6(4):162-6.

13- Mahmoud Vahidi, **Mojgan Bandehpour**, Mahmood Bozorgmehr, Bahram Kazemi, Production and Design of Efficient recombinant Human GM-CSF under a gene-specific promoter in Prokaryotic System, *Crescent Journal of Medical and Biological sciences*, 2018

14- Tannaz Khodabakhsh, Azin Arabi, Parviz Pakzad, Shivasadat Gheflat, Akram Bahreinipour, **Mojgan Bandehpour**, A New ELISA Kit based on antigenic Epitopes for diagnosing of Brucella abortus *Microbiol. Biotechnol. Lett.* 2018

15- Kahaki FA, Basiri A, **Bandehpour M**, Kazemi B. Designing a diagnostic kit for Oxalyl CoA Decarboxylase enzyme by ELISA method. *Immunol Lett.* 2018 Nov 14. pii: S0165-2478(18)30403-6. doi: 10.1016/j.imlet.2018.11.008.

16- Moradi-Chaleshtori M, Hashemi SM, Soudi S, **Bandehpour M**, Mohammadi-Yeganeh S. Tumor-derived exosomal microRNAs and proteins as modulators of macrophage function. *J Cell Physiol.* 2018 Oct 30. doi: 10.1002/jcp.27552. Review.

17- Tarhriz V, **Bandehpour M**, Dastmalchi S, Ouladsahebmadarek E, Zarredar H, Eyvazi S. Overview of CD24 as a new molecular marker in ovarian cancer. *J Cell Physiol.* 2018 Oct 14. doi: 10.1002/jcp.27581. Review.

18- Behnam Sedaghati · Raheem Haddad · **Mojgan Bandehpour**, Efficient plant regeneration and Agrobacterium-mediated transformation via somatic embryogenesis in purslane (*Portulaca oleracea L.*): an important medicinal plant, *Plant Cell, Tissue and Organ Culture (PCTOC)*, 2018

19- Ghazifard, A., Salehi, M., Novin, M.G., **Bandehpour, M.**, Keshavarzi, S., Omrani, V.F., Deghani-Mohammadabadi, M., Farahani, R.M., Hosseini, A. Anacardic acid reduces acetylation of H4K12 in mouse oocytes during vitrification (2019) *Cell Journal*, 20 (4), pp. 552-558. DOI: 10.22074/cellj.2019.5601

20- Fatemeh Abarghooi Kahaki, Abbas Basiri, **Mojgan Bandehpour**, Bahram Kazemi, Designing a diagnostic kit for Oxalyl CoA Decarboxylase enzyme by ELISA method, 2019, *Immunology Letters*, In Press, Accepted Manuscript

21- Abdolreza Ardeshirylajimi, Ali Golchin, Arash Khojasteh & **Mojgan Bandehpour**, Increased osteogenic differentiation potential of MSCs cultured on nanofibrous structure through activation of Wnt/ $\beta$ -catenin signalling by inorganic polyphosphate, 2018, *Artificial Cells, Nanomedicine, and Biotechnology*, <https://doi.org/10.1080/21691401.2018.1521816>

- 22- Abbas Alibakhshi, Hajar Yaghoobi, **Mojgan Bandehpour\*** and Bahram Kazemi, RECENT ADVANCES ON RECOMBINANT ANTIGENS FOR CONTROLLING PARASITIC PROTOZOA: DIAGNOSIS AND VACCINE DESIGN, EJBPS, 2017, ISSN 2349-8870, 4(1): 27-37
- 23- 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):
- 24- HajarYaghoobi, BahramKazemi, and **MojganBandehpour**, Sensitization of Radio-ResistantLung Cancer Cells with a B Subunit of Bacterial Cytolethal Distending Toxin from Aggregatibacter actinomycetemcomitans, IranJCancerPrev. 2017,10(2):e5792.
- 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- Shahla Korani, Maryam Kaszadeh, Fatemeh Yarian, **Mojgan Bandehpour**, The Expression of Human Tumor Necrosis Factor Receptor (Htnfr) in the CHO Cell Line, International Journal of Molecular Biology, Volume 2 Issue 3 – 2017
- 27- **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 (2017)
- 28- Marzieh Sameni<sup>1</sup>, 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
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- 47- Jalali Akram, **Bandehpour Mojgan** and Kazemi Bahram, Compound serum and hemin free medium for cultivation of *Leishmania tarentolae*: A recombinant protein expression system, *African Journal of Biotechnology*, 2015;14(25), 2130-2134

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- 52- Mohammad Hossein MOTAZEDIAN, Bahram KAZEMI, Bahador SHAHRIARI, **Mojgan BANDEHPOUR**, Khadijeh KHANALIHA, Immunoreactivity Analysis of Toxoplasma gondii Recombinant Antigen rSAG3 in Sera from Immunized BALB/c Mice and Tox-oplasmosis Patients, *Iran J Public Health*, 45,7, 2016, 911-916
- 53- Saeideh Milani, **Mojgan Bandehpour**, Zohreh Sharifi, Bahram Kazemi, The Role of Apollon Gene Silencing on Viability and Radiosensitivity of Cervical Cancer Hela Cells, fVol.59: e16150597, *BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY*, January-December 2016
- 54- Mahmoud Kazemi, Ali Hassani, **Mojgan Bandehpour**, Leila Bahrami, Bahram Kazemi. Preparation of Recombinant Bone Morphogenetic Protein 2 at Laboratory Scale, *RRR* 2016;1(3):121-123
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- 58- Abbas Alibakhshi, Hajar Yaghoobi, **Mojgan Bandehpour\*** and Bahram Kazemi, RECENT ADVANCES ON RECOMBINANT ANTIGENS FOR CONTROLLING PARASITIC PROTOZOA: DIAGNOSIS AND VACCINE DESIGN, *EJBPS*, 2017, ISSN 2349-8870, 4(1): 27-37
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