

CURRICULUM VITAE



Dariush Shanehbandi (Ph.D.)

Assistant professor of Immunology

Immunology Research Center, Tabriz University of Medical Sciences, Tabriz, Iran

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PERSONAL INFORMATION

Date of Birth: April 19, 1974

Nationality: Iranian

Marital status: Married

EDUCATION

Ph.D. in immunology, 2017 (April 17th)

Ph.D. Candidate since 2013- 2017 (April 17th)

Tabriz University of Medical Sciences

MSc Student in Biotechnology (2007- 2010)

Karaj Payam Noor University

EDUCATIONAL INFORMATION

1. MSc graduation score (17.73 out of 20)

2. MSc Thesis score (19.80 out of 20)

3. MSc Thesis title: *Cloning of Carbonic anhydrase gene from microalga Dunaliella isolated from Iranian salty lakes.*

Ph.D. Thesis: *Production of a chimeric mouse-human monoclonal antibody against human CD20.*

Ph.D. graduation score (19.54 out of 20)

Ph.D. Thesis score: (19.80 out of 20)

PROFESSIONAL EXPERIENCES

- Molecular biology techniques including: DNA and RNA extraction from several organisms,
- PCR, qRT-PCR
- Genetic Engineering, Cloning, Expression
- Molecular markers including ARMS, RAPD, RFLP and...
- BioInformatics
- Immunological techniques: such as western blotting
- Animal and bacterial cell culture
- RNAi: siRNA, miRNA replacement, Transfection and ...

PUBLICATIONS

A) JOURNAL ARTICLES (ISI & PUBMED Indexed)

1. Abbasi-Kenarsari H, Shafaghat F, Baradaran B, Movassaghpour AA, Shanehbandi D, Kazemi T. Cloning and Expression of CD19, a Human B-Cell Marker in NIH-3T3 Cell Line. *Avicenna Journal of Medical Biotechnology*. 2015;7(1):39-44.
2. Afkari B, Babaloo Z, Dolati S, Khabazi A, Jadidi-Niaragh F, Talei M, et al. Molecular Analysis of Interleukin-10 Gene Polymorphisms in Patients with Behçet's disease. *Immunology letters*. 2017.

3. Aghbali A, Rafieyan S, Mohamed-Khosroshahi L, Baradaran B, Shanehbandi D, Kouhsoltani M. IL-4 induces the formation of multinucleated giant cells and expression of $\beta 5$ integrin in central giant cell lesion. *Med Oral Patol Oral Cir Bucal*. 2016.
4. Aghbali A, Vosough Hosseini S, Moradi Abbasabadi F, Mohammadnejad L, Shanehbandi D, Baradaran B. Evaluation of Cytotoxic Activities of Iranian Orthodox Black Tea Extract (BTE) on Oral Squamous Cell Carcinoma (KB cell line). *Journal of research in dental sciences*. 2013;10(2):65-72.
5. Aghebati-Maleki L, Younesi V, Baradaran B, Abdolalizadeh J, Motallebnezhad M, Nickho H, et al. Antiproliferative and apoptotic effects of novel anti-ROR1 single-chain antibodies in hematological malignancies. *SLAS DISCOVERY: Advancing Life Sciences R&D*. 2017;22(4):408-17.
6. Akbarzadeh M, Rahbarghazi R, Nabat E, Movassaghpour AA, Shanehbandi D, Maragheh BFA, et al. The impact of different extracellular matrices on melatonin effect in proliferation and stemness properties of ovarian cancer cells. *Biomedicine & Pharmacotherapy*. 2017;87:288-95.
7. Armat M, Bakhshaiesh TO, Sabzichi M, Shanehbandi D, Sharifi S, Molavi O, et al. The role of Six1 signaling in paclitaxel-dependent apoptosis in MCF-7 cell line. *Bosnian journal of basic medical sciences*. 2016;16(1):28.
8. Asadi H, Orangi M, Shanehbandi D, Babaloo Z, Delazar A. Methanolic Fractions of *Ornithogalum cuspidatum* Induce Apoptosis in PC-3 Prostate Cancer Cell Line and WEHI-164 Fibrosarcoma Cancer Cell Line. *Advanced Pharmaceutical Bulletin*. 2014.
9. Asadi M, Shanaehbandi D, Zarintan A, Pedram N, Baradaran B, Zafari V, et al. TP53 Gene Pro72Arg (rs1042522) Single Nucleotide Polymorphism as Not a Risk Factor for Colorectal Cancer in the Iranian Azari Population. *Asian Pacific Journal of Cancer Prevention*. 2017;18(12):3423-7.
10. Asadi M, Shanehbandi D, Mohammadpour H, Hashemzadeh S, Sepehri B. Expression Level of miR-34a in Tumor Tissue from Patients with Esophageal Squamous Cell Carcinoma. *Journal of gastrointestinal cancer*. 2018:1-4.
11. Aslanian-Kalkhoran L, Elieh-Ali-Komi D, Sadeghi-Shabestari M, Shanebandi D, Babaloo Z, Razavi A, et al. Investigation of Fc Receptor-Like 3 (FCRL-3) Gene Polymorphism (rs7528684) with Susceptibility to Allergic Asthma in Iranian North-Western Azeri Population. *Clinical laboratory*. 2017(07+08/2017).
12. Baghbani E, Baradaran B, Pak F, Mohammadnejad L, Shanehbandi D, Mansoori B, et al. Suppression of protein tyrosine phosphatase PTPN22 gene induces apoptosis in T-cell leukemia cell line (Jurkat) through the AKT and ERK pathways. *Biomedicine & Pharmacotherapy*. 2017;86:41-7.

13. Bakhshaiesh TO, Armat M, Shanehbandi D, Sharifi S, Baradaran B, Hejazi MS, et al. Arsenic trioxide promotes paclitaxel cytotoxicity in resistant breast cancer cells. *Asian Pac J Cancer Prev*. 2015;16(13):5191-7.
14. Brazvan B, Farahzadi R, Mohammadi SM, Montazer Saheb S, Shanehbandi D, Schmied L, et al. Key Immune Cell Cytokines Affects the Telomere Activity of Cord Blood Cells in vitro: Effects of immune cell cytokines on telomere activity. *Advanced Pharmaceutical Bulletin*. 2016(0).
15. Davudian S, Shajari N, Kazemi T, Mansoori B, Salehi S, Mohammadi A, et al. BACH1 silencing by siRNA inhibits migration of HT-29 colon cancer cells through reduction of metastasis-related genes. *Biomedicine & Pharmacotherapy*. 2016;84:191-8.
16. Dehghanzadeh R, Babaloo Z, Sakhinia E, Khabazi A, Shanehbandi D, Sadigh-Eteghad S, et al. IL-27 Gene Polymorphisms in Iranian Patients with Behcet's Disease. *Clin Lab*. 2015.
17. Esmailzadeh S, Mansoori B, Mohammadi A, Shanehbandi D, Baradaran B. SiRNA-Mediated silencing of HMGA2 induces apoptosis and cell cycle arrest in human colorectal carcinoma. *Journal of gastrointestinal cancer*. 2017;48(2):156-63.
18. Fallahi S, Mohammadi SM, Tayefi Nasrabadi H, Alihemmati A, Samadi N, Gholami S, et al. Impact of C-rel inhibition of cord blood-derived B-, T-, and NK cells. *Journal of immunotoxicology*. 2017;14(1):15-22.
19. Farajdokht F, Mohaddes G, Shanehbandi D, Karimi P, Babri S. Ghrelin attenuated hyperalgesia induced by chronic nitroglycerin: CGRP and TRPV1 as targets for migraine management. *Cephalalgia*. 2017:0333102417748563.
20. Ghavifekr Fakhr M, Farshdousti Hagh M, Shanehbandi D, Baradaran B. DNA Methylation Pattern as Important Epigenetic Criterion in Cancer. *Genetics Research International*. 2013.
21. Goldar S, Baradaran B, Shekari MK, Azadmehr A, Derakhshan S, Mohammadi A, et al. Extracts of *Scrophularia frigida* Boiss display potent antitumor effects in human breast cancer cells by inducing apoptosis and inhibition of expression of the human epidermal growth factor receptor 2. *Cellular and molecular biology (Noisy-le-Grand, France)*. 2016;62(9):83-9.
22. Haghnavaz N, Asghari F, Elieh Ali Komi D, Shanehbandi D, Baradaran B, Kazemi T. HER2 positivity may confer resistance to therapy with paclitaxel in breast cancer cell lines. *Artificial cells, nanomedicine, and biotechnology*. 2017:1-6.
23. Haji Fatahaliha M, Hosseini M, Rasolzadeh S, Shanehbandi D, Baradaran B, Jadidi-Niaragh F, et al. Analysis of human B cell response to recombinant *Leishmania* LPG3. *Asian Pacific Journal of Tropical Medicine*. 2015;8(8):624-9.

24. Hajipour H, Hamishehkar H, Rahmati-yamchi M, Shanebandi D, Ahmad SNS, Hasani A. Enhanced Anti-Cancer Capability of Ellagic Acid Using Solid Lipid Nanoparticles (SLNs). *International Journal of Cancer Management*. 2018(In Press).
25. Hajjari SN, Mehdizadeh M, Sadigh-Eteghad S, Shanebandi D, Teimourian S, Baradaran B. Secretases-related miRNAs in Alzheimer's disease: new approach for biomarker discovery. *Neurological Sciences*. 2017;38(11):1921-6.
26. Hosseini A, Shanebandi D, Asghari Estiar M, Gholizadeh S, Khabbazi A, Khodadadi H, et al. A Single Nucleotide Polymorphism in the FOXP3 Gene Associated with Behçet's Disease in an Iranian Population. *Clin Lab*. 2015.
27. Hosseini B-A, Pasdaran A, Kazemi T, Shanebandi D, Karami H, Orangi M, et al. Dichloromethane fractions of *Scrophularia oxypsepala* extract induce apoptosis in MCF-7 human breast cancer cells. *Bosnian journal of basic medical sciences*. 2015;15(1):26.
28. Islamian JP, Mohammadi M, Baradaran B, Farajollahi A, Aghamiri SMR, Jafarabadi MA, et al. Enhancing radiosensitivity of TE1, TE8, and TE 11 esophageal squamous carcinoma cell lines by Hdm2-siRNA targeted gene therapy in vitro. *BioImpacts: BI*. 2016;6(2):93.
29. Jafarlou M, Baradaran B, Saedi T, Jafarlou V, Shanebandi D, Maralani M, et al. An overview of the history, applications, advantages, disadvantages and prospects of gene therapy. *J Biol Regul Homeost Agents*. 2016;30:315-21.
30. Jafarlou M, Baradaran B, Shanebandi D, al e. siRNA-mediated inhibition of survivin gene enhances the anti-cancer effect of etoposide in U-937 acute myeloid leukemia cells. *Cellular and Molecular Biology*. 2016;62(6):44-9.
31. Jafarlou M, Baradaran B, Shanebandi D, Saedi T, Jafarlou V, Ismail P, et al. *Cellular and Molecular Biology*. 2016.
32. Jafarlou M, Baradaran B, Shanebandi D, Saedi T, Jafarlou V, Karimi P, et al. Silencing of myeloid cell leukemia-1 by small interfering RNA improves chemosensitivity to etoposide in u-937 leukemic cells. *J Biol Regul Homeost Agents*. 2016;30(1):55-65.
33. Jafarlou M, Shanebandi D, Dehghan P, Mansoori B, Othman F, Baradaran B. Enhancement of chemosensitivity by simultaneously silencing of Mcl-1 and Survivin genes using small interfering RNA in human myelomonocytic leukaemia. *Artificial cells, nanomedicine, and biotechnology*. 2017:1-7.
34. Jahanfar F, Hasani A, Shanebandi D, Rahmati M, Hamishehkar H. Enhanced in Vitro Anti-Tumor Activity of 5-Azacytidine by Entrapment into Solid Lipid Nanoparticles. *Advanced pharmaceutical bulletin*. 2016;6(3):367.

35. Kachalaki S, Baradaran B, Majidi J, Yousefi M, Shanehbandi D, Mohammadinejad S, et al. Reversal of chemoresistance with small interference RNA (siRNA) in etoposide resistant acute myeloid leukemia cells (HL-60). *Biomedicine & Pharmacotherapy*. 2015;75:100-4.
36. Karimi L, Mansoori B, Shanehbandi D, Mohammadi A, Aghapour M, Baradaran B. Function of microRNA-143 in different signal pathways in cancer: New insights into cancer therapy. *Biomedicine & Pharmacotherapy*. 2017;91:121-31.
37. Mahmoudi F, Baradaran B, Dehnad A, Shanehbandi D, Mohamed Khosroshahi L, Aghapour M. The immunomodulatory activity of secondary metabolites isolated from *Streptomyces calvus* on human peripheral blood mononuclear cells. *British journal of biomedical science*. 2016;73(3):97-103.
38. Maleki LA, Shanehbandi D, Majidi J, Yusefi M, Abdolalizadeh J, Orangi M, et al. Production of Anti-CD14 monoclonal antibody using synthetic peptide of human CD14 as immunizing antigen. *Human antibodies*. 2013;22(3, 4):67-71.
39. Maleki RA, Shanehbandi D, Eteghad SS, Zarredar H, Shahneh FZ, Maleki LA, et al. Effects of Some Natural Immunomodulatory Compounds in Combination with Thalidomide on Survival Rate and Tumor Size in Fibrosarcoma-Bearing Mice. *Advanced pharmaceutical bulletin*. 2014;4(Suppl 1):465.
40. Mansoori B, Mohammadi A, Goldar S. Silencing of high mobility group isoform IC (HMGI-C) enhances paclitaxel chemosensitivity in breast adenocarcinoma cells (MDA-MB-468). *Advanced pharmaceutical bulletin*. 2016;6(2):171.
41. Mardomi A, Sabzichi M, Somi MH, Shanehbandi D, Rahbarghazi R, Sanjarani OT, et al. *Cellular and Molecular Biology*. 2016.
42. Mirzamohammadi Z, Baradaran B, Shanehbandi D, Keyhanmanesh R, Shahbazfar AA, Pejman L. Thymoquinone, the Main Constituent of *Nigella sativa*, Could Impact on Adenosine A2 Receptors in Ovalbumin-sensitized Guinea Pigs. *Kafkas Univ Vet Fak Derg*. 2016.
43. Mohammadi A, Mansoori B, Goldar S, Shanehbandi D, Khaze V, Mohammadnejad L, et al. Effects of *Urtica dioica* dichloromethane extract on cell apoptosis and related gene expression in human breast cancer cell line (MDA-MB-468). *Cellular and molecular biology (Noisy-le-Grand, France)*. 2016;62(2):62-7.
44. Mohammadian J, Sabzichi M, Molavi O, Shanehbandi D, Samadi N. Combined Treatment with Stattic and Docetaxel Alters the Bax/Bcl-2 Gene Expression Ratio in Human Prostate Cancer Cells. *Asian Pacific Journal of Cancer Prevention*. 2016;17(11):5031-5.
45. Mohammadnejad L, Baradaran B, Shanehbandi D, Pourhassan Moghaddam M, Sadreddini S, editors. Cloning and expression of human L- Asparaginase and study of its anti growth effect on

leukemia cell lines. 15th International Congress of Immunology (ICI), Milan, Italy, 22 Aug - 27 Aug, 2013; 2013: Front. Immunol.

46. Mohseniazar M, Barin M, Zarredar H, Alizadeh S, Shanehbandi D. Potential of microalgae and lactobacilli in biosynthesis of silver nanoparticles. *BioImpacts: BI*. 2011;1(3):149.

47. Montazami N, Kheir Andish M, Majidi J, Yousefi M, Yousefi B, Mohamadnejad L, et al. siRNA-mediated silencing of MDR1 reverses the resistance to oxaliplatin in SW480/OxR colon cancer cells. *Cellular and molecular biology*. 2015;61(2):98-103.

48. Musavi-Shenas S-M-H, Mansoori B, Mohammadi A, Salehi S, Kaffash B, Talebi B, et al. SiRNA-mediated silencing of Snail-1 induces apoptosis and alters micro RNA expression in human urinary bladder cancer cell line. *Artificial Cells, Nanomedicine, and Biotechnology: An International Journal*. 2016.

49. Nikpou P, Nejad DM, Shafaei H, Roshangar L, Samadi N, Navali AM, et al. Study of chondrogenic potential of stem cells in co-culture with chondrons. *Iranian journal of basic medical sciences*. 2016;19(6):638.

50. Oladghaffari M, Islamian JP, Baradaran B, Monfared AS, Farajollahi A, Shanehbandi D, et al. High efficiency apoptosis induction in breast cancer cell lines by MLN4924/2DG co-treatment. *Asian Pac J Cancer Prev*. 2015;16(13):5.

51. Oladghaffari M, Shabestani Monfared A, Farajollahi A, Baradaran B, Mohammadi M, Shanehbandi D, et al. MLN4924 and 2DG Combined Treatment Enhances the Efficiency of Radiotherapy in the Breast Cancer Cells. *International Journal of Radiation Biology*. 2017.

52. Orangi M, Pasdaran A, Shanehbandi D, Kazemi T, Yousefi B, Hosseini B-A, et al. Cytotoxic and apoptotic activities of methanolic subfractions of *Scrophularia oxysepala* against human breast cancer cell line. *Evidence-Based Complementary and Alternative Medicine*. 2016;2016.

53. Razi Soofiyani S, Kazemi T, Lotfipour F, Mohammad hosseini A, Shanehbandi D, Hallaj-Nezhadi S, et al. Gene therapy with IL-12 induced enhanced anti-tumor activity in fibrosarcoma mouse model. *Artificial Cells, Nanomedicine, and Biotechnology*. 2016;44(8):1988-93.

54. Razi SS, Kazemi T, Lotfipour F, Mohammad AH, Shanehbandi D, Hallaj-Nezhadi S, et al. Gene therapy with IL-12 induced enhanced anti-tumor activity in fibrosarcoma mouse model. *Artificial cells, nanomedicine, and biotechnology*. 2016;44(8):1988-93.

55. Sadigh-Eteghad S, Abadi N, Ghavami S, Golabi M, Shanebandi D. Synergetic effects of oral administration of levamisole and *Echinacea purpurea* on immune response in Wistar rat. *Research in veterinary science*. 2011;91(1):82-5.

56. Sadigh-Eteghad S, Dehnad A, Shanebandi D, Khalili I, Razmarayii N, Namvaran A. Identification and characterization of a *Streptomyces* sp. isolate exhibiting activity against multidrug-resistant coagulase-negative *Staphylococci*. *Veterinary research communications*. 2011;35(8):477-86.
57. Sadigh-Eteghad S, Talebi M, Mahmoudi J, Babri S, Shanebandi D. Selective activation of $\alpha 7$ nicotinic acetylcholine receptor by PHA-543613 improves A β 25–35-mediated cognitive deficits in mice. *Neuroscience*. 2015;298:81-93.
58. Sadigh-Eteghad S, Tayefi-Nasrabadi H, Aghdam Z, Zarredar H, Shanebandi D, Khayyat L, et al. *Rosa canina* L. fruit hydro-alcoholic extract effects on some immunological and biochemical parameters in rats. *BioImpacts: BI*. 2011;1(4):219.
59. Sadreddini S, Safaralizadeh R, Baradaran B, Aghebati-Maleki L, Hosseinpour-Feizi MA, Shanebandi D, et al. Chitosan nanoparticles as a dual drug/siRNA delivery system for treatment of colorectal cancer. *Immunology Letters*. 2016.
60. Safarzadeh E, Baradaran B, Delazar A, Kazemi T, Orangi M, Esnaashari S, et al., editors. In vitro cytotoxic effects of dichloromethane extract of *Scrophularia atropatana* on WEHI-164 cells. 15th International Congress of Immunology (ICI), Milan, Italy, 22 Aug - 27 Aug, 2013; 2013: *Front. Immunol.*
61. Safarzadeh E, Delazar A, Kazemi T, Orangi M, Shanebandi D, Esnaashari S, et al. The Cytotoxic and Apoptotic Effects of *Scrophularia Atropatana* Extracts on Human Breast Cancer Cells. *Advanced pharmaceutical bulletin*. 2017;7(3):381.
62. Salehi-Lalemarzi H, Shanebandi D, Shafaghat F, Abbasi-Kenarsari H, Baradaran B, Movassaghpour AA, et al. Cloning and stable expression of cDNA coding for platelet endothelial cell adhesion molecule-1 (pecam-1, cd31) in nih-3t3 cell line. *Advanced pharmaceutical bulletin*. 2015;5(2):247.
63. Seyfizadeh N, Seyfizadeh N, Yousefi B, Borzoueisileh S, Majidinia M, Shanebandi D, et al. Is there association between ABO blood group and the risk factors of unfavorable outcomes of pregnancy? *The Journal of Maternal-Fetal & Neonatal Medicine*. 2015;28(5):578-82.
64. Shafaghat F, Abbasi-Kenarsari H, Majidi J, Movassaghpour AA, Shanebandi D, Kazemi T. Preparation of proper immunogen by cloning and stable expression of cDNA coding for human hematopoietic stem cell marker CD34 in NIH-3T3 mouse fibroblast cell line. *Advanced pharmaceutical bulletin*. 2015;5(1):69.
65. Shajari N, Davudian S, Kazemi T, Mansoori B, Salehi S, Khaze Shahgoli V, et al. Silencing of BACH1 inhibits invasion and migration of prostate cancer cells by altering metastasis-related gene expression. *Artificial cells, nanomedicine, and biotechnology*. 2017:1-10.

66. Shanehbandi D, Baradaran B, Sadigh-Eteghad S, Zarredar H. Occurrence of methicillin resistant and enterotoxigenic *Staphylococcus aureus* in traditional cheeses in the north west of Iran. *ISRN microbiology*. 2014;2014.
67. Shanehbandi D, Dafe A, Alizadeh A, Khayyat L, Sadigh-Eteghad S, Akbarmehr J, et al. Motal cheese of Iranian nomadic tribes as an untouched source of potentially probiotic *Lactobacilli*. *African Journal of Microbiology Research*. 2013;7(22):2751-6.
68. Shanehbandi D, Majidi J, Kazemi T, Baradaran B, Aghebati-Maleki L. CD20-based Immunotherapy of B-cell Derived Hematologic Malignancies. *Current cancer drug targets*. 2017;17(5):423 - 44.
69. Shanehbandi D, Majidi J, Kazemi T, Baradaran B, Aghebati-Maleki L. Cloning and molecular characterization of the cDNAs encoding the variable regions of an anti-CD20 monoclonal antibody. *Human antibodies*. 2017;26(1):1-6.
70. Shanehbandi D, Majidi J, Kazemi T, Baradaran B, Aghebati-Maleki L, Fathi F, et al. Immuno-biosensor for Detection of CD20-Positive Cells Using Surface Plasmon Resonance. *Advanced Pharmaceutical Bulletin*. 2017;7.
71. Shanehbandi D, Saei AA, Zarredar H, Barzegari A. Vibration and Glycerol-Mediated Plasmid DNA Transformation for *Escherichia coli*. *FEMS microbiology letters*. 2013.
72. Shekari N, Baradaran B, Shanehbandi D, Kazemi T. Circulating microRNAs: valuable biomarkers for diagnosis and prognosis of gastric cancer. *Current Medicinal Chemistry*. 2017.
73. Shiri S, Alizadeh AM, Baradaran B, Farhanghi B, Shanehbandi D, Khodayari S, et al. Dendrosomal curcumin suppresses metastatic breast cancer in mice by changing m1/m2 macrophage balance in the tumor microenvironment. *Asian Pac J Cancer Prev*. 2015;16(9):3917-22.
74. Soofiyan SR, Lotfipour F, Kazemi T, Hoseini AM, Shanehbandi D, Mohammadnejad L, et al. Combined Interleukin 12 and Granulocyte-macrophage Colony-stimulating Factor Gene Therapy Synergistically Suppresses Tumor Growth in the Murine Fibrosarcoma. *International Journal of Cancer Management*. 2017;10(10).
75. Tavanafar F, Safaralizadeh R, Hosseinpour-Feizi MA, Mansoori B, Shanehbandi D, Mohammadi A, et al. Restoration of miR-143 expression could inhibit migration and growth of MDA-MB-468 cells through down-regulating the expression of invasion-related factors. *Biomedicine & Pharmacotherapy*. 2017;91:920-4.
76. Amiri, P., et al., Insulin resistance in relation to inflammatory gene expression and metabolic features in apparently healthy obese individuals. *International Journal of Diabetes in Developing Countries*, 2018: p. 1-8.

77. Asadi, M., et al., Expression Level of Caspase Genes in Colorectal Cancer. *Asian Pacific journal of cancer prevention: APJCP*, 2018. 19(5): p. 1277-1280.
78. Asadi, M., et al., Expression Level of miR-34a in Tumor Tissue from Patients with Esophageal Squamous Cell Carcinoma. *Journal of gastrointestinal cancer*, 2018: p. 1-4.
79. Mohammadzadeh-Aghdash, H., et al., Safety assessment of sodium acetate, sodium diacetate and potassium sorbate food additives. *Food chemistry*, 2018. 257: p. 211-215.
80. Naghizadeh, M., et al., Toll-like receptor signaling and serum levels of interferon β and lipopolysaccharide binding protein are related to abdominal obesity: a case-control study between metabolically healthy and metabolically unhealthy obese individuals. *Nutrition Research*, 2018. 55: p. 11-20.
81. Mardomi, A., et al., Human charcoal-stripped serum supplementation enhances both the stearyl-coenzyme a desaturase 1 activity of cumulus cells and the in vitro maturation of oocytes. *Hum Fertil (Camb)*, 2018: p. 1-7.

B) CONFERENCE PAPERS

- 1- Cloning of Carbonic anhydrase gene promoter from microalga *Dunaliella* isolated from Urmia salty lake, 6th Iranian Biotechnology Congress, 2009 Tehran
- 2- Isolation and cloning of Lyc- β gene from *Dunaliella* (isolate: ABRII Gavkhooni28), 6th Iranian Biotechnology Congress, 2009 Tehran
- 3- Cloning and sequencing of *Dunaliella* PDS gene of Iranian brine lakes, 6th Iranian Biotechnology Congress, 2009 Tehran, 6th Iranian Biotechnology Congress, 2009 Tehran
- 4- Isolation and molecular characterization of heavy metals resistant *Sinorhizobia* from polluted soils of Zanjan province. 12th congress of soil science, 2011 Tabriz
- 5- Impacts of Cadmium, Lead and Zinc pollutions on native nitrogen fixing *Sinorhizobia* and alfalfa yields. 12th congress of soil science, 2011 Tabriz
- 6- Aghbali, A., et al., *Evaluation of Cytotoxic Activities of Iranian Orthodox Black Tea Extract (BTE) on Oral Squamous Cell Carcinoma (KB cell line)*. *Journal of research in dental sciences*, 2013. **10**(2): p. 65-72.
- 7- Safarzadeh, E., et al. *In vitro cytotoxic effects of dichloromethane extract of Scrophularia atropatana on WEHI-164 cells*. in *15th International Congress of Immunology (ICI), Milan, Italy, 22 Aug - 27 Aug, 2013*. 2013. *Front. Immunol.*

8- Mohammadnejad, L., et al. *Cloning and expression of human L- Asparaginase and study of its anti growth effect on leukemia cell lines.* in *15th International Congress of Immunology (ICI), Milan, Italy, 22 Aug - 27 Aug, 2013.* 2013. Front. Immunol.

TEACHING EXPERIENCE

2010: Biotechnology (Laboratory), for biotechnology students in bachelor grade

2011-2013: Molecular biology for biology, biotechnology, biochemistry, genetics, microbiology, marine Biology, molecular cell biology students in bachelor grade.

EXPERIENCE IN ORGANIZING WORKSHOPS AND TRAINING COURSES

1. Lecturer in workshop on PCR, RT-PCR and Real Time PCR, held in August 2015 by nutrition research center, Tabriz university of medical sciences.
2. Lecturer in international workshop on production of monoclonal antibodies for Iraqi researchers from Baghdad, Basra, Najaf and, 2013
3. Lecturer in Workshop on bioinformatics held in 2014 (organized by RDCC)
4. Lecturer in workshop on PCR and Primer designing, Shahid Fahmideh Elites Center, Tabriz.
5. Lecturer molecular biology techniques and RT-PCR workshop organized by 21th international Iranian congress of physiology and pharmacology, 2013
6. Lecturer in western blotting technique workshop organized by 21th international Iranian congress of physiology and pharmacology, 2013
7. Lecturer in Real Time PCR workshop: held in 2014 (organized by RDCC- Code: 426)
8. Lecturer in Real Time PCR workshop: held in 2014 (organized by RDCC- Code: 9332)
9. Lecturer in Real Time PCR workshop: held in 2014 (organized by RDCC- Code: 9330)
10. Lecturer in Real Time PCR workshop: held in 2015 (organized by Immunology research center, Tabriz university of medical sciences).
11. Lecturer in PCR and RT- PCR workshop: held in April 2015 (organized by Immunology research center, Tabriz university of medical sciences).
12. Lecturer in PCR and RT- PCR workshop: held in March 2015 (organized by Immunology research center, Tabriz university of medical sciences).
13. Lecturer in Real Time PCR workshop: held in March 2015 (organized by Immunology research center, Tabriz university of medical sciences).

AND ...

SHORT COURSES & WORKSHOPS

1. 16-17 December 2009 **Applications of RNA interference in plants and animals workshop:** Agricultural Biotechnology Research Institute of Iran, Rasht.
2. 22th February 2013 **HLA typing utilizing SSP and SSO techniques workshop:** Royan institute, Tehran, Iran.