

Curriculum Vitae

Name: Mehrdad

Surname: Behmanesh

Date of birth: 1967

Address: Department of Genetics, School of Biological Sciences, Tarbiat Modares University, Tehran, Iran, P.O. Box14115-154

Tel : +98-21-82884451, Fax: +98-21-8288-4717

Email: behmanesh@modares.ac.ir

Academic Qualification

- 1- B.Sc. Chamran University, Ahvaz, Iran 1987-91.
- 2- M.Sc. Tarbiat Modares University, Tehran/Iran 1992-95.
- 3- 2000- 2005: Ph.D., Medical Institute of Bioregulation, Medical School, Kyushu University, Fukuoka, Japan.

Position:

Lecturer and Genetic counselor (1996-1998): Department of Genetics and Molecular Biology, School of Medicine, Isfahan University of Medical sciences, Isfahan, Iran.

Lecturer (1998- 2000): Department of Genetics, School of Sciences, Tarbiat Modares University, Tehran, Iran.

2005 –2010: Assistant Professor, Department of Genetics, School of Sciences, Tarbiat Modares University, Tehran, Iran

2008- J 2010: Head of Genetic Department, Faculty of Biological Sciences, Tarbiat Modares University, Tehran, Iran.

2011: Associate Professor of Human Genetics, Department of Genetics, Faculty of Biological Sciences, Tarbiat Modares University, Tehran, Iran.

2016: Professor of Human Genetics, Department of Genetics, Faculty of Biological Sciences, Tarbiat Modares University, Tehran, Iran.

2012 - continue: Deputy of Research affairs, Faculty of Biological Sciences, Tarbiat Modares University, Tehran, Iran.

Articles:

1. Nutrient sensing pathway genes expression dysregulated in patients with T2DM and coronary artery disease., Rahimi E., Ahmadi AH., Behmanesh M., Diabetes Research and Clinical Practice, Rahimi E., Ahmadi AH., Boroumand MA>, Mohammad Soltani B., Behmanesh M., Diabetes Research and Clinical Practice, 2019.
2. RGD-HK Peptide-Functionalized Gold Nanorods Emerge as Targeted Biocompatible Nanocarriers for Biomedical Applications. Soham Mohabbi¹, Tahereh Tohidi Moghadam, Maryam Nikkhah, Mehrdad Behmanesh, Nanoscale Research letters, pp1-12, 2019
3. RNAi- mediated silencing of pinoreosinol lariciresinol reductase in *Linum album* hairy roots alters the phenolic accumulation in response to fungal elicitor, Tashakori H., Sharifi M., Ahmadian Cheshmi N., Elizabeth Fuss, Behmanesh M., Safaei N., Journal of Plant Physiology, 232, p 115-126, 2019.
4. Proposal of a study protocol of a preliminary double-blind randomized controlled trial. Verifying effects of selenium supplementation on selenoprotein p and s genes expression in protein and mRNA levels in subjects with coronary artery disease: selenogene study., Gharpour M., Sadeghi M., Behmanesh M., Salehi M., Roohafza HR., Nezafati P., Khosravi E., Hosseini M., Keshvari M., Rouhi-Bourojeni H., Sarrafzadegan N., Acta Biomed, Vol 90, No1, pp44-50, 2019.
5. Integrin Beta-3 Gene Polymorphism and Risk for Myocardial Infarction in Premature Coronary Disease. Sheikhatan M., Boroumand MA., Behmanesh M., Ziaee Sh., Cheraghi S., Iranian Journal of Biotechnology, 2019.
6. A sensitive gold-nanorods-based nanobiosensor for specific detection of *Campylobacter jejuni* and *Campylobacter coli*., Shams, S., Bakhshi B., Tohidi Moghadam T., Behmanesh M., Journal of Nanobiotechnology, 2019.
7. The role of lnc-DC long non-coding RNA and SOCS1 in the regulation of STAT3 in coronary Artery disease and type 2 Diabetes Mellitus ,

- Alikhah A., Pahlevan Kakhki M., Ahmadi AH., Dehghanzad R., Boroumand M.A. Behmanesh M. *Diabetes and its Complications*, 32(3), pp342-48, 2018.
8. HOTAIR but not ANRIL Long non-coding RNA contributes to the pathogenesis of Multiple Sclerosis; Pahlevan Kakhki M., Nikravesh A., Shirvani Farsani Z., Sahraian MA., Behmanesh M., *Immunology*, 153(4), pp. 479-487, 2018.
 9. Study of IL-10 and IL-17 genes expression in patients with different stages of Asthma: A Case- Control Study, Zonoobi E., Saeedfar K., Pourdowlat G., Mashedi MR., Behmanesh M., *Tanaffos.*, 17(3), 146-154, 2018.
 10. Association of MicroRNA Polymorphisms with Hepatocellular Carcinoma in an Iranian Population. Farokhizadeh Zh., Dehbidi S., Geramizadeh Yaghobi B., Malek Hosseini SA., Behmanesh M., Sanati MH., Afshari A., Moravej A., Karimi MH., *Ann Lab Med. Jan*;39(1):58-66, 2019.
 11. Hsa-miR-497 as a new regulator in TGF β signaling pathway and cardiac differentiation process., Jafarzadeh M, Soltani BM, Tousi SE, Behmanesh M. *Gene*, Oct, pp150-6, 2018.
 12. The Static Magnetic Field Remotely Boosts the Efficiency of Doxorubicin through Modulating ROS Behaviors. Hajipour Verdom B, Abdolmaleki P, Behmanesh M. *Sci Rep. Jan 17*;8(1):990. 2018.
 13. Overexpressed in colorectal carcinoma gene (OCC-1) upregulation and APPL2 gene downregulation in breast cancer specimens. Ghalaei A, Kay M, Zarrinfam S, Hoseinpour P, Behmanesh M, Soltani BM. *Mol Biol Rep. Sep 14*. 2018.
 14. Size of single-wall carbon nanotube affects the folate receptor-mediated cancer cell targeting. Charbgo F., Nikkhah M., Behmanesh M. *Biotechnology and Applied Biochemistry* , 2017
 15. The static Magnetic Field Remotly Boosts Efficiency of Doxorubicin through Modulating ROS Behaviors, Hajipour B., Abdolmaleki P., Behmanesh M., *Scientific Reports*, No 1, Vol 8 , p990-1002, 2018.
 16. Piriformospora indica cell wall modulates gene expression and metabolite profile in *Linum album* hairy roots. Tashackori H, Sharifi M, Chashmi NA, Behmanesh M, Safaie N. *Planta. Nov*;248(5):1289-1306. 2018.

17. Staphylococcus epidermidis, Clonality and Accessory Gene Regulator Diversity in Clinical Isolates, Najar-Peerayeh Sh., Behmanesh M., Jazayeri Moghadas A., Arch Clin. Infect. Dis., 13(4) :e62833.

18. Cumulative protective efficacy of rZot and rAce combination in challenge experiments with wild type Vibrio cholerae in mouse model. Anvari S, Najar-Peerayeh S, Behmanesh M, Bakhshi B. Hum Vaccin Immunother. 2018 May 31:1-21

19. Effects of Selenium Supplementation on expression of SEPP1 in mRNA and Protein level in subject with and without metaboloc syndrome suffereing from coronary artery disease: selenegene study a Bouble –blind randomized Controlled Trial, Gharipour M., Quguerram K., Nazih EH., Salehi M., Behmanesh M., Roohafza H., Hosseini SM., Nezafati P., Dianatkah M., Gharipour A., Haghjoo S., Sarrafzadeghan N., Sadeghi M., Jornal of Cellular Biochemistry, accepted. abedi

20. Functional surface display of laccase in a Phenol-inducible bacterial circuit for bioremediation propuse, Fathi-Roudsari M., Behmanesh M., Salmanian AH., Sadeghizadeh M., Khajeh Kh., Iran Biomedical Journal, Vol 22, Issue 3, May, 2018 .

21. Different Gene Expressin of Alpha and Beta Glucocorticoid Receptors in Asthmatics, Saeedfar K., Behmanesh M., Mortaz E., Masjedi MR., Iranian Journal of Pharmaceutical ResearchT 17(2), pp790-800, 2018.

22. Selenium homeostasis and clustering of cardiovascular risk factor: A systematic Review. Gharipour M., Sadeghi M., Behmanesh M., Salehi M., Nezafati P., Gharipour A., Acta Bio-medica:Ateni Parmensis. 88 (3) 263-270, 2017.

23. Polyclonal distribution of blaOXA-23 gene among acinetobacter baumannii isolated from intensive care unite patients in Tehran; Pulse field Gel Electrophoresis analysis, Akbari Dehbalaei M., Najar-Peerayeh SH., Behmanesh M., Taherikalani M., Jundi shapour Journal of Microbiology , 11(1), e58032, 2018.

24. Clinical isolates of Acietobacter baumannii from Tehran hospital: Pulse-field gel electrophoresis characterization, clonal linages, antibiotic susceptibility, and biofilm- forming ability, Dehbalaei ,M.A., Najar-Peerayeh, S., Taherikalani, Behmanesh M., Jundishapur Journal of Microbiology, 10(7), e 13790, 2017.

25. Association between the Hepatic Lipase promoter region polymorphism (-514 C/T) and the presence and severity of premature Coronary artery disease. Goodarzynejad H., Boroumand MA., Behmanesh M., Ziaee Sh., Jalali A., Pourgholi L., Journal of Tehran Heart Center, 12(3), pp.119-127 2017.
26. The expression of pluripotency and neuronal differentiation markers under the influence of electromagnetic field and nitric oxide. Haghghat N., Abdolmaleki P., Parnian J., Behmanesh M., Molecular and Cellular Neuroscience, 85, pp. 19-28, 2017.
27. Physiological parameters of Silicon-Treated Maize under salt stress conditions. Delavar K., Ghanati F., Behmanesh M., Zare-Maivan, Silicon, page 1-8 April 2018.
28. Alteration of OGG1, MYH and MTH1 genes expression in relapsing-remitting multiple sclerosis patients, Amirinejad R., Sahraian MA., Soltani BM., Behmanesh M., Physiology and Pharmacology 21(2), 129-136, 2017.
29. The expression of STAT3 and STAT5A genes in severe refractory asthma, Saeedfar K., Behmanesh M. Mortaz E., Masjedi MR., Tanaffos, 16 (1) :1-8, 2017.
30. Stable morphological-physiological and neural protein expression changes in rat bone marrow mesenchymal stem cells treated with electromagnetic field and nitric oxide, Haghghat N., Abdolmaleki P., Behmanesh M., Satari M., Bioelectromagnetics, 38(8), pp592-601, 2017.
31. The expression of *VDR* mRNA but not *NF-κB* surprisingly decreased after vitamin D treatment in multiple sclerosis patients, Shirvani Farsani Z., Pahlevan Kakhki M., Naghavi M., Doosti R., Moghadasi A., Azimi D., Behmanesh M., Neuroscience Letter. 13; 653: 258-263, 2017.
32. The expression of Inc-IL07R long non-coding RNA dramatically correlated with soluble and membrane-bound isoforms of IL-7a gene in multiple sclerosis. Bina P., Pahlevan kakhki M., Sahraian MA., Behmanesh M., Neuroscience letter, 6: 642: 174-178, 2017.
33. RNAi mediated gene silencing of ITPA using a targeted nanocarrier: Apoptosis induction in SKBR3 cancer cells, Charbgoon F., Nikkhah M., Behmanesh M., Kane E.G., Clinical and experimental Pharmacology and Physiology, Aug; 44 (8) 888-894, 2017.
34. Prevalence of resistant associated variants (RAVs) in the naïve HCV patient candidate for direct acting antiviral (DAA) therapy, Karbalaie Niya MH.,

Salman-Tabar S., Bokharaei-Salim F., Behmanesh M., Keyvani H., *Microbiology Pathology* April, 105: 166-170, 2017.

35. C1019T Polymorphism in connexin 37 gene and myocardial infraction risk in preature coronary artery disease. Sheikvatan M., Boroumand MA., Behmanesh M., Abbasi SH., Davoodi GH., Ziaee SH., Cheraghi S., *The Journal of Tehran Univesrity Heart Center*, 12 (2),pp. 72-81, March 2017.
36. Association of ANRIL expression with coronary Artery disease in type 2 diabetic patients, Rahimi E., Ahmadi AH., Boroumand MA., Soltani BM., Behmanesh M., *Cell Journal*, 20(1), pp 41-45, 2018.
37. The effect of silicon and aluminium interactionon the physiological parameters of maize,. Delavar K., Ghanati F., Zare Mayvan H., Behmanesh M., *Iranian Journal of Plant Physiology*, Vol 4, No 6, p 1785-1794, 2016.
38. Physiological and molecular responses of resistant and susceptible wheat cultivars to *Fusarium graminearum* mycotoxin extract, Sorahinobar M., Soltanloo H., Niknam V., Ebrahimzadeh H., Moradi B., Safaie N., Behmanesh M., Bahram M., *Canadian Journal of Plant pathology*, 39(4),pp. 444-453, 2017.
39. Association of expression of selenoprotein P in mRNA and protein levels with metabolic syndrome in subjects with cardiovascular disease: result of selenegene study. Gharipur M., Sadeghi M., Salehi M., Behmanesh M., Khosravi E., Dianatkah M., Razavi R., GHaripour A., *Journal of Gene Medicine*, Mar., 19 (3),e2945, 2017.
40. Association of selenoprotein S expression and its variants with metabolic syndrome in subject with cardiovascular disease. Gharipour M., Sadeghi M., Behmanesh M., Salehi M., Dianatkah M., Nazafati P., Hosseini M., Vaseghi M., KHosravi E., Sarrafzadegan N., ????
41. Association of R279Q and C1562T polymorphisms of matrix metalloproteinase 9 gene and increased risk of myocardial infraction in patients with premature coronary artery disease, Sheikvatan M., Boroumand MA. Behmanesh M., Ziaee S., *Journal of clinic Lab Analysis*, 32(1), e22218, 2018.
42. The rs1127354 polymorphisms in ITPA is associated with susceptibility to infertility, Mollaahmadi F., Moeini A., Salman Yaxdi R., Behmanesh M., *Cell Journal*, 20(1), pp 73-77, 2018.

43. Fine quantitation of novel trace taxans in suspension-cultured *Corylus avellana* L.: Cells by photo diode array HPLC technique., Alnajjar N., Ghanati F., Behmanesh M., Gavlighi H.A., Iranian Journal of Plant Physiology ., 7(2), pp.1963-69, 2017.
44. Association study of two functional single nucleotide polymorphisms of neuropeptide Y gene with multiple sclerosis, Mohammadi SM., Shirvani Farsani Z., Dosti R., , Sahraian MA, Behmanesh M., Neuropeptide, Dec; 60; 45-50. 2016.
45. Up-regulation of FOXC2 and FOXQ1 is associated with the progression of Gastric-type adenocarcinoma. Soleimani F, Hajjari MR, Soltani MB, Behmanesh M., Cell Journal , Volume 19, Number 3, pp 66-71, Autumn 2017,
46. Proposal of a study protocol of a preliminary double-blind randomized controlled trial. Verifying effect of selenium supplementation on selenoprotein p and s genes expression in protein and mRNA levels in subjects with coronary artery disease: selenogene study., Gharipour M., Sadeghi M., Behmanesh M., Salehi M., Roohafaz H., Nezafati P., Khosravi E., Hosseini M., Keshvari M., Sarrafzadegan N., Acta Biomed , Vol 88, No 1 1-7, 2017.
47. Effects of silicon on the growth of maize seeding under normal, Aluminum and salinity stress conditions, Delavar K., Ghanati F., Zare-Maivan H., Behmanesh M. Journal of Plant Nutrition, Vol 40 , Issue 10, pp. 1475-1484, 2017.
48. In vitro polyploidy induction: changes in morphology, podophyllotoxin biosynthesis, and expression of the related genes in *Linum album* (Linaceae). Javadian N, Karimzadeh G, Sharifi M, Moieni A, Behmanesh M., Planta. Jun; 245 (6): 1165-1178, 2017.
49. Selenium homeostasis and clustering of cardiovascular risk factors: A systematic review, Gharipour M., Sadeghi M., Behmanesh M., Salehi M., Nezafati P., Gharipour A., Acta Biomed , Vol 87, No 3, 1-7 , 2016. Review article.
50. Association of two polymorphisms in MSH2 and XRCC1 genes with multiple sclerosis in Iranian population., Abedi Kichi Z., Khani Habibabadi F.,

- Sahraian MA, Dosti R., Behmanesh M. *Physiology and Pharmacology*, 20(2), pp83-89, 2016.
51. The convenience of single homology arm donor DNA and CRISPER/Cas9-Nickase for targeted insertion of long DNA fragment, Basiri M., Behmanesh M., Tahamtani Y., Khalooghi K., Moradmand A., Bharvand H., *Cell Journal* p 532-539, Vol 18, No 4, Jan-Mar (Winter), 2016.
 52. Induced-differential changes on lignin and phenolic acid compounds in *Linum album* hairy roots by fungal extract of *Piriformospora indica*, Tashakori H., Sharifi M., Ahmadian Chashmi N., Safaei N., Behmanesh M., *Plant Cell Tissue Organ culture*. Vol 127, No 1, p 187-194, 2016.
 53. The curli biogenesis genes expression level is unassociated with *Enterobacter cloacae* hsp60 clusters and PFEG genotypes., Akbari M., Bakhshi B., Najari-Peerayegh Sh., Behmanesh M., *Microbial Pathogenesis*. Sep 98: p 112-7, 2016.
 54. Inhibitory effects of rHP-NAP IgY against *H. pylori* attachment to AGS cell line. Borhani K., Mohabati Mobarez A., Khabiri AR., Khoramabadi N., Aug, 97, p 231-5, 2016 · *Microbial Pathogenesis*.
 55. The rs5888 single nucleotide polymorphism in scavenger receptor class B type 1 (SCARB1) gene and the risk of premature coronary artery disease: A case-control study., Goodarzynejad H., Boroumand M., Behmanesh M., Ziaee S., Jalali A., *Lipids in Health and Disease*, 12;15:7, 2016.
 56. Molecular characterization of vancomycin-intermediate *Staphylococcus aureus* isolates from Tehran., Najari-Peerayegh Sh., Mirzaee M., Behmanesh M., *Asian Pacific Journal of Tropical Disease*., 6(9), pp. 726-731, 2016.
 57. Association of 77T>C and Arg194Trp polymorphisms of XRCC1 with risk of coronary artery diseases in Iranian population. Pahlavanneshan S., Ahmadi AH., Boroumand M.A., Sadeghian S., Behmanesh M., *Iranian Journal of Basic Medical Sciences*, pp 194-200. Vol 19, No. 2, February 2016.
 58. E101K and M123V Alpha-cardiac actin gene mutations are not associated with cardiomyopathy in Iranian population. Jebelli A., Beyranvand E., Sadeghian H., Boroumand MA., Behmanesh M., *ARYA Atheroscler*, Sep. 11(5), pp.289-94, 2015.

- 59.** Pancreatic islet differentiation of human embryonic stem cells by microRNA overexpression. Lahmy R, Soleimani M, Sanati MH, Behmanesh M, Kouhkan F, Mobarra N. *Journal of Tissue Engineering and Regenerative Medicine.* 10(6), pp.527-534, 2016.
- 60.** Cholesteryl ester transfer protein gene polymorphism (I405V) and premature coronary artery disease in an Iranian population. Goodarzynejad H., Boroumand M., Behmanesh M., Ziaee S., Jalali A., *Bosnian journal of basic medical sciences.*, Jan 14;16(2): 114-20, 2016.
- 61.** Magnesium and manganese interactively modulate parthenolide accumulation and the antioxidant defense system in leaves of *Tanacetum parthenium*, Farzadfar S., Zarinkamar F., Behmanesh M., Hojati M., *Journal of Plant Physiology*, 202, pp10-20, 2016.
- 62.** Lignan enhancement in hairy root cultures of *Linum album* using coniferaldehyde and methylenedioxycinnamic acid. *Preparative Biochemistry and Biotechnology*, 46(5), pp. 454-460, 2016.
- 63.** Induction of aromatic amino acids and phenylpropanoid compounds in *Scrophularia striata* Boiss. Cell culture in response to chitosan-induced oxidative stress. Kamalipourazad M., Sharifi M., Zare-Maivan H., Behmanesh M., Ahmadian Cheshmi N., *Plant Physiology and Biochemistry.* Oct., 107;374-84, 2016.
- 64.** Prevalence of Virulence-Related Determinants in Clinical Isolates of *Staphylococcus epidermidis.*, Najar Peerayeh Sh., Jazayeri Moghadas A., Behmanesh M., *Jundishapur Journal of Microbiology.*, August,; 9(8), e30593, 2016.
- 65.** Production and characterization of a novel monoclonal antibody against human sortilin, Ghaemimanesh, F., Bayat A., Babaei S., Ahmadian Gh., Zarnani, AH., Behmanesh M., Jeddi-Tehrani, M., Rabbani H., *Monoclonal Antibodies in Immunodiagnosis and Immunotherapy*, Dec; 34(6): 390-5, 2015.
- 66.** Dendrosomal curcumin increases expression of the long non-coding RNA gene MEG3 via up-regulation of epi-miRs in hepatocellular cancer. Zamani

- M, Sadeghizadeh M, Behmanesh M, Najafi F., *Phytomedicine*, Sep ,15; 22(10); pp. 961-7, 2015.
- 67.** Vitamin D supplementation Up-regulate IL-6 and IL-17A genes Expression in Multiple Sclerosis Patients, Naghavi Gargari B., Behmanesh M., Shirvani Farsani Z., Pahlevan kakhki M. Azimi AR., *International Immunopharmacology*. Sep 28(1), 414-9, 2015.
- 68.** Analyses of methylation status of CpG islands in promoters of miR-9 genes family in human gastric adenocarcinoma. Ebrahimi-Askari R, Behmanesh M, Soleimani M., *Mol Biol Res Commun*. Jun;4(2):73-82, 2015.
- 69.** Up-regulation of MSH2, XRCC1 and ATM genes in patients with type 2 diabetes and coronary artery disease. Ahmadi AH., Behmanesh M., Boroumand MA., Tavallaei M., *Diabetes Research and Clinical Practice*, 109, 500-6, 2015.
- 70.** Dominant and Protective Role of the CYTH4 Primate-Specific GTTT-Repeat Longer Alleles Against Neurodegeneration. Rezazadeh M, Gharesouran J, Movafagh A, Taheri M, Darvish H, Emamalizadeh B, Shahmohammadibeni N, Khorram Khorshid HR, Behmanesh M, Sahraian MA, Ohadi M. *Journal of Molecular Neuroscience*, 56(93): 593-6, 2015.
- 71.** Vitamin D Levels in Multiple Sclerosis Patients: Association with Expression of TGF β 2, TGF- β RI, TGF β RII Genes, Shirvani Farsani Z., Behmanesh M., Mohammadi S.M., Moghadasi A., *Life Sciences*, 2015, 63-67,2015.
- 72.** Production of specific IgY Helicobacter pylori recombinant OipA protein and assessment of its inhibitory effects towards attachment of H. pylori to AGS cell line. Katayoun Borhani K., Mohabati Mobarez A., Khabiri AR. Behmanesh M., Khoramabadi N., *Clinical and Experimental Vaccine Research.*, Jul;4(2): 177-183, 2015.
- 73.** Two functional promoter polymorphisms of Neuregulin 1 gene are associated with progressive forms of multiple sclerosis, Bahadori Z., Behmanesh M., Sahraian MA., *Journal of the Neurological Sciences*. Apr 15, 351(1-2), pp. 154-9, 2015.

- 74.** Inteleukin-10 but not Transforming Growth Factor β 1 Gene Expression Up-regulate by Vitamin D Treatment in Multiple Sclerosis Patients, Shirvani Farsani Z., Behmanesh M., Sahraian MA., Journal of the Neurological Sciences, Mar 15 ,350(1-2), pp. 18-23, 2015.
- 75.** Effect of Vitamin D treatment on *Interleukin-2* and *Interleukin-4* Genes Expression in Multiple Sclerosis, Naghavi Gargery B., Behmanesh M., Sahraeian MA>, physiology and pharmacology journal, No 19 , pp 14-21, 2015.
- 76.** Functional expression of the human coagulation factor IX using heterologous signal peptide and propeptide sequences in mammalian cell line, Khorshidi SH., Zomorodipour A., Behmanesh M., Vatan doost J., Mettine H.A. Bos. Biotechnology Letter, Oct, 37(10); 2097, 2015.
- 77.** Generation of stable ARE-driven reporter system for monitoring oxidative stress., Motahari P., Sadeghizadeh M., Behmanesh M., Sabri Sh., Zolghadr F., DARU, Aug, 1;23;38, 2015.
- 78.** 6-Methoxypodophyllotoxin induces apoptosis via Inhibition of Tubb3 and Top IIA Genes expression in 5637 and k562 cell lines. Sadeghi I., Behmanesh M., Ahmadian Chashmi N., Sharifi M., Soltani BM. Cell Journal. Fall;17(3): 502-9, 2015.
- 79.** Expression of Suppressor of Cytokine Signaling 1 (SOCS1) Gene Dramatically Increases in Relapsing-Remitting Multiple Sclerosis. Pahlevan Kakhki M., Rakhshi N., Heidary M., Behmanesh M., Nikravesh A., Journal of the Neurological Sciences, Mar 15, 350, pp.40-5, 2015.
- 80.** Relationship between Adhesion Genes and biofilm formation in Vancomycin-intermediate Staphylococcus aureus isolateds. Mirzaee. Najarpourayeh S., Behmanesh M., Moghadam MF. Current Microbiology. May ;70(5) pp. 665-70, 2015.
- 81.** Enhanced reduction of Single Wall Carbon Nanotube Cytotoxicity in Vitro; Applying a Novel Method of Arginine Functionalization. Charbgo F, Behmanesh M, Nikkhah M., Biotechnol Appl Biochem. Sep- Oct. 62(5): 598-605, 2015.

- 82.** Compositional features are potentially involved in the regulation of gene expression of tumor suppressor genes in human tissues. Hajjari MR., Khoshnevisan A., Behmanesh M., *Gene*, Dec 15; 553(2), pp. 126-9, 2014.
- 83.** Efficient Diagnosis and Treatment Follow-up of Human Brucellosis by a Novel Quantitative TaqMan Real-Time PCR assay: a Human Clinical Survey *Journal of Clinical Microbiology*, Vol 52, No 12, p. 4239-43, December 2014.
- 84.** Relationship Between Adhesin Genes and Biofilm Formation in Vancomycin-Intermediate *Staphylococcus aureus* Clinical Isolates Mirzaee M., Najar-Peerayeh Sh., Behmanesh M., Forouzandeh Moghadam M., *Current Microbiology* .Vol 70, No 5 ,p-665-670, 2015.(111200)
- 85.** Effect of Ba and TDZ on postharvest quality and expression of laccase and aaquaporin genes in cut rose Sparkle, Rasouli O., Ahmadi N., Behmanesh M., Daneshi Nergi M.A., *South African Journal of Botany*, 99, p 75-79, 2015. (111681).
- 86.** In silico finding of putative Cis-acting elements for the tethering polycomb repressive complex2 in human genome, Hajjari M., Behmanesh M., Jahani M.M., *Bioinformation*, Apr 23, 10(4), 187-190, 2014.
- 87.** The Analysis of Correlation between IL-1B Gene Expression and Genotyping in Multiple Sclerosis Patients, Heidary M., Rakhshi N., Pahlevan M., Kamaladini H., Behmanesh M., Nikravesh A., *Journal of the Neurological Sciences*, Aug 15, 343(1-2), pp. 41-5, 2014.
- 88.** Detection of intracellular Adhesion (ica) Gene and Biofilm Formation *Staphylococcus Aureus* Isolated from Clinical Blood Cultures, Mirzaee M., Najar-Peerayeh Sh., Behmanesh M., Forouzandeh Moghadam M., Ghasemian A., *Journal of Medical Bacteriology*, Vol 3, No 1,2 Winter , pp 1-6, 2014.(109936).

89. Efficient Diagnosis and Treatment Follow-up of Human Brucellosis by a Novel Quantitative TaqMan Real-Time PCR assay: a Human Clinical Survey, Majid Sohrabi, Ashraf Mohabati Mobarez, Nima Khoramabadi, Reza Hosseini Doust, and Mehrdad Behmanesh, *Journal of Clinical Microbiology*, Vol 52, No 12, p 4239-43, 2014. (107756)
90. miR-375 promote beta pancreatic differentiation in human induced pluripotent stem(hiPS) cells, Lahmi R., Soleimani M., Sanati M.H., **Behmanesh M.**, Kouhkan F., Mobarra N., *Molecular Biology Report*, 41(4): 2055-66, 2014.
91. An *in vitro* study of the impact of 4mT static magnetic field to modify the differentiation rate of rat bone marrow stem cells into primordial germ cells. Javani Jouni F., Abdolmaleki P. Behmanesh M., Movahedin M., *Differentiation*, Jun 87(5), 230-7, 2014.
92. miRNAs: A New Method for Erythroid Differentiation of Hematopoietic Stem Cells Without the Presence of Growth Factors. Kouhkan F, Hafizi M, Mobarra N, Mossahebi-Mohammadi M, Mohammadi S, Behmanesh M, Soufi Zomorrod M, Alizadeh S, Lahmy R, Daliri M, Soleimani M. *Appl Biochem Biotechnol*.Feb 172(4); 2055-69, 2014.
93. Investigation of CYP2C19 allele and genotype frequencies in Iranian population using experimental and computational approach. Mahmoudi Saber M., Boroumand MA., Behmanesh M. *Thrombosis Research*. Feb;133(2):272-5, 2014.
94. Establishment of callus and cell suspension culture of *Scrophularia striata* Boiss.: an *in vitro* approach for acteoside production. Khanpour-Ardestani N¹, Sharifi M, Behmanesh M., *Cytotechnology*, May 67(3): 475-85, 2015.
95. A Comparative Approach to Strategies for Cloning, Expression, and Purification of Mycobacterium tuberculosis Mycolyl Transferase 85B and zest of Immune Responses in BALB/c Mice., Aghababa H., Mohabati Mobarez A.,

- Khoramabadi N., Behmanesh M., Mahdavi M., Tebianian M., Nejati M., *Molecular Biotechnology*, Jun 56(6): 487-97, 2014.
- 96.** Up-regulation of *HOTAIR* long non-coding RNA in human gastric adenocarcinoma tissues, Hajjari MR., Behmanesh M., Sadeghizadeh M., Zeinoddini M., *Medical Oncology*, 30(3): 670, 2013.
- 97.** Evaluating of suppressor of zeste 12 and Chromobox homolog 8 Genes Expression Showed Two Possible Origins for Gastric Cancer Development, Ghalandary M., Behmanesh M., Sadeghizadeh, *Indian Journal of Cancer*, Jun-Mar, Vol 52, No1 pp. 27-31, 2015.
- 98.** Characterization of Zwitterionic Phosphatidylcholine-Based Bilayer Vesicles as Efficient Self-Assembled Virus-Like Gene Carriers. Ramezani R., Sadeghizadeh M., Behmanesh M., Hosseinkhani S., *Molecular Biotechnology*, Oct 55(2);120-30, 2013.
- 99.** The significant aberrant expression of FOXC1 as a high specific and sensitive potential biomarker in gastric adenocarcinoma tumor tissues. Hajjari MR., Behmanesh M., Zeinoddini M., *Gene Therapy and Molecular Biology*, 15(1), pp..1-7, 2012.
- 100.** The effect of Sortilin Silencing on ovarian carcinoma cells., Ghaemimanesh F., Ahmadian Gh., Talebi S., Zarnani AH., Behmanesh M., Hemmati Sh., Hadavi R., Jeddi-Tehrani M., Farzi M., Akhondi MM., Rabbani H., *Avicenna Journal of Medical Biotechnology*, July Vol 6, No 3, pp.169-77, 2014.
- 101.** Modification of catalase and MAPK in vicia faba cultivated in soil with high natural radioactivity and treated with astatic magnetic field, Haghghat N., Abdolmaleki P., Ghanati F., Behmanesh M., Payez A., *Journal of Plant Physiology*, 171, p 99-103, 2014.(101112).
- 102.** Junctional Adhesion Molecules 2 and 3 may potentially be involved in Progression of Gastric Adenocarcinoma Tumors, Hajjari MR., Behmanesh M., Sadeghizadeh M., Zeinoddini M., *Medical Oncology*, 30(1), 380, 2013.
- 103.** miR-451 Up-regulation, Induce Erythroid Differentiation of CD133+ cells Independent of Cytokine Cocktails, Kouhkan F., Soleimani

- M., Daliri M., Behmanesh M., Mobarra N., Mossahebi-mohammadi M., Mohammadi S., Mokhtari M., Lahmy R., Iranian Journal of Basic Sciences, Jun Vol 16, No 6, pp. 756-62, 2013.
- 104.** Biosynthesis, regulation and properties of plant monoterpenoids, Ramak P., Kazempour Osalii Sh., Sharifi M., Ebrahimzadeh H., Behmanesh M., Vol 8 ,No 29 , pp 983- 991 , Agust 2014. (107484).
- 105.** Antibiotic susceptibility and *mecA* frequency in *Staphylococcus epidermidis* isolated from Intensive Care Unit patients, Najar Peerayeh. S Jazayeri Moghadas.A., Behmanesh, Jundishapur Journal of Microbiology, Aug; 7 (8) , p 1-4, 2014.
- 106.** Cloning and Expression of ATP Sulfurylase Gene from an Iranian Strain of Thermophile *Geobacillus* , Rahimi E., Behmanesh M., Nikkhah M., Sadeghi E., Modares Biological Science and Technology, in press.
- 107.** Enhancement of antioxidant enzymes activity and expression of CAT and PAL genes in hazel (*Corylus avellana* L.) cells in response to low-intensity ultrasound, Safari M., Ghanati F., Behmanesh M., Hajnorouzi A., Nahidian B., Ghahremani M., *Acta Physiologiae Plantarum*. 35(9). 2847-55, 2013.
- 108.** Induction of lignans and phenolic compounds in cell culture of *Linum album* by culture filtrate of *Fusarium graminearum*., Tahsili J., Sharifi M., Safaie N., Esmaeilzadeh –bahabadi S., Behmanesh M., *Journal of Plant interactions*, 2013, in press.
- 109.** Inhibition of the mevalonate pathway enhances carvacrol biosynthesis and DXR gene expression in shoot cultures of *Satureja khuzistanica* Jamzad "Ramak P., Kazempour Osaloo S., Ebrahimzadeh H., Sharifi M., Behmanesh M. *Journal of Plant Physiology*, Sep 1;170(13) , pp 1187-93, 2013.
- 110.** Antioxidant activity and expression of Catalase gene of (*Eustoma grandiflorum* L.) in response to boron and aluminum, Rezaee F., Ghanati F., Behmanesh M., *South African Journal of Botany*, 84, pp 13-18, 2013.
- 111.** Potential applications of bacteriorhodopsin mutants., Saeedi P., Moosaabadi M., SebtahmadiS.S., Fallah Mehrabadi J., Behmanesh m., Mekhilef *Bioengineered*, Nov 1; 3(6): 326–328, 2012 .
- 112.** Effect of methyl jasmonate on metabolic enzymes and phenolic compounds of medicinal plant *Agastache foeniculum*.Raouf Fard F., Sharifi

- M., Omidbaigi R., Sefidkon F., Behmanesh M., Ahmadi N. Iranian Journal of Medicinal and Aromatic Plants. Vol 6(45), pp5701-5705, 25 November 2012.(87894)
- 113.** Synergistic accumulative effect of Salicylic acid and Dibutyl phthalate on Paclitaxel Production in *Corylus avellana* cell culture., Rezaei A., Ghanati F., Behmanesh M., Safari M., Sharafi Y. Journal of Stress Physiology and Biochemistry, Vol 9, No 1, pp 157-168, 2013.
- 114.** In Vitro cytotoxic and antimicrobial activity of essential oil from *Satureja intermedia*, Sadeghi E., Yousefzadi M., Behmanesh M., Sharifi M., Moradi A., Iranian Red Crescent Medical Journal., Jan 15(1), p p70-4., 2013.
- 115.** Substrate- dependent expression of Laccase in genetically modified *Escherichia Coli*: design and construction of an inducible phenol-degrading system., Fathi-Roudsari M., Behmanesh M., Salmanian AH., Sadeghizadeh M., Khajeh K., Preparative Biochemistry and Biotechnology, 43: 456-467, 2013.
- 116.** Methyl Jasmonate- induced Changes in Non and Antioxidant enzymatic defence in Peppermint (*Mentha piperita*), Afkar S., Karimzadeh G., Jalali-Javaran M., Sharifi M., Behmanesh M., Journal of Plant Physiology and Breeding, 3 (1): 13-21, 2013.(100182).
- 117.** Influence of methyl jasmonate on menthol production and gene expression in peppermint(*Mentha X piperita* L.). Afkar S., Karimzadeh Gh., Jalali-Javaran M. , Sharifi M., and Behmanesh M. , Journal of Medicinal Plants and By-products , 1: 75-82, 2013. (102852).
- 118.** Therapeutic efficacy of Silibinin on human Neuroblastoma cells: Akt and NF- κ B expression may play an important role in Silibinin- induced response, Yousefi M., Ghaffari S. H., Soltani B. M., Nafissi S., Momeny M., Zekri A., Behmanesh M., Alimoghaddam K., Ghavamzadeh A., Neurochem Research, September, 37(9), 2053-63, 2012.
- 119.** Nuclear factor- κ B1 expression levels in human gastric adenocarcinoma, Ebrahimi Askari R., Behmanesh M., Ghalandary M., Soleimani M., Molecular Biology Research Communications, No 2, p 57-64, 2012.(100078).
- 120.** Rearrangement in 22q11 implicated in Iranian patients with mental retardation. Malekmohamadi M., Noruzinia M., Behmanesh M., Nourian E.,

Nastaran Kh., International journal of pediatric otorhinolaryngology. Nov;76(11):1604-9, 2012.(4725) دیده نمیشود.

121. Effect of methyl jasmonate on essential oil content and composition of *Agastache foeniculum*., Raouf Fard F., Omidbaigi R., Sharifi M., Sefidkon F., Behmanesh M., Journal of Medicinal Plants Research Vol 6, No 45, pp 5701-5705, 2012 (87894)..
122. Cloning , Expression and purification of mycolyltransferase C of *Mycobacterium tuberculosis* in the prokaryotic host., Aghababa H., Mohebati Mobarez A., Behmanesh M., Khoramabadi N., Nejati M., Medical Journal of Medical Sciences; Pathobiology, Vol 14, No 4, Winter , p1-12. 2012.(71958).
123. The effect of light on gene expression and podophyllotoxin biosynthesis in *Linum album* cell culture, Yousefzadi M., Sharifi M., Behmanesh M., Ghasempour A., Moyano E., Palazon Kh., Plant Physiology and Biochemistry, 56, pp41-6, 2012.
124. Study of deoxyxylose 5 phosphate reductase isomerase and its relation with monoterpen karakerol in *Satureja Khuzistanica* Jamzad, , Ramak P., Kazempour Osanloo S., Ebrahimzadeh H., Sharifi M., Behmanesh M., Iranian Journal of Biology, (In press).
125. Biological activity of recombinant Accessory Cholerae Entrotoxin(Ace) on rabbit ileal loop and antibacterial assay., Anvari Sh., Pirayeh Sh N., Behmanesh M., Boostan shenas M., Cell Journal, Fall Vol 14, No 3, 209-14 2012.
126. Site-directed mutagenesis in bacteriorhodopsin mutants and their characterization for bioelectrical and biotechnological equipment. Saeedi P., Mohammadian Moosaabadi J., Sebtahmadi S. S., Behmanesh M., Fallah Mehrabadi J., Biotechnology Letters,34(3); 455-62, 2012.
127. Expression of 4 genes in *Ocimum basilicum* and their relationship with Phenylpropanoids contents., Tahsili J., Sharifi M., Behmanesh M., Pourbozorgi- Rudsari N., Ziaei M., Journal of Medicinal Plants and By-products, 1: 23-34, 2012.(87886).
128. Analysis of 6- methoxy Podophyllotoxin and Podophyllotoxin in hairy root culture of *Linum album* Kotschy Ex Boiss, Ahmadian Chashmi N., Sharifi M., Yousezadi M., Behmanesh M., Rezadoost H., Cardillo A., Palazon J., Medical Chemistry Research, 22(2),745-52, 2013.

- 129.** Antioxidant activity and expression of catalase gene of *Eustoma grandiflorum* in response to boron and aluminum. Rezaee F., Ghanati F., Behmanesh M., South African Journal of Botany, 84, pp13-18, 2013.
- 130.** Evaluation of a new set of Real-Time PCR for *Brucella* detection within human and animal samples, Sohrabi M., Mobarez A. M., Behmanesh M., Khoramabadi N., Hosseini Doust R., Journal of Pharmaceutical & Health Sciences. Volum 1, No 2., pp 15-17, Spring 2011.(10294)
- 131.** Enhancement of lignin and phenylpropanoid compounds production by chitosan in *Linum album* cell culture, zadeh Bahabadi S., Sharifi M., Safaie N., Behmanesh M. Journal of plant Biology 4th year, No 11.,p 13-26 Spring 2012.,
- 132.** Production and Purification of Mycolyl Transferase B of *Mycobacterium tuberculosis*, Aghababa H, Mohabati Mobarez A, Behmanesh M, Khoramabadi N, Mobarhan M., Tanaffos, 10 (4): 23-30.2011.
- 133.** Chromium-induced tropane alkaloid production and H6H gene expression in *Atropa belladonna* L. (Solanaceae) *in vitro*-propagated plantlets, Vakili B., Karimi F., Sharifi M., Behmanesh M., Plant physiology and Biochemistry, 52: 98-103, 2012.
- 134.** Gene expression and activity of phenyl alanine amonialyase and essential oil composition of *Ocimum basilicum* L. at different growth stages, Ziaei M., Sharifi M., Behmanesh M., Razavi K., Iranian journal of Biotechnology, Vol 10, No. 1, p 32-39, 2012.
- 135.** Chemical coupling as a potent strategy for preparation of targeted bacteriophage-derived gene nanocarriers into eukaryotic cells. Khalaj K.M, Sadeghizadeh M., Behmanesh M., Journal of Gene Medicine, 13(11): 622-31, 2011.
- 136.** Expression of recombinant Zonula Occludens Toxin (Zot) of *vibrio Cholerae* and Biological Activity on Rabbit Ileal Loops., Anvari Sh., Peerayeh Shahin N., Behmanesh M., Siadat S. D., Iranian Journal of Clinical Infectious Disease., Vol 6, No 4, pp. 149-52, 2011.
- 137.** Evaluation of apoptosis-related genes; Fas (CD94), FasL (CD178) and TRAIL polymorphisms in Iranian multiple sclerosis patients.,

- Mohammadzadeh A., Pourfathollah A.A., Sahraian M.A., Behmanesh M., Daneshmandi S., Moeinfar Z., Heidari M., Journal of the Neurological Sciences, 312(1-2), pp 19407-14, 2011.
- 138.** Genome instability in AZFc region on Y chromosome in leukocytes of fertile and infertile individuals following exposure to gamma radiation., Moghbeli-Nejad S., Mozdarani H., Behmanesh M., Rezaiean Z., Fallahi P., Journal of Assisted Reproduction and Genetics, 29(1) 53-61, 2012.
- 139.** Poteintial applications of bacteriorhodopsin mutant., Saeedi P., Mohammadian Moosaabadi J., Sina Sebtahmadi S., Fallah Mehrabadi J., Behmanesh M., Mekhilef S., Bioengineering 3(6) 326-8, November/ December 2012.
- 140.** Generation and analysis of bacteriorhodopsin mutants with the potential for biotechnological applications., Saeedi P., Mohammadian Moosaabadi J., Sina Sebtahmadi S., Fallah Mehrabadi J., Behmanesh M., Rouhani Nejad H., Nazaktabar A., Bioengineered, 3(5) 275-9, September /October 2012.
- 141.** The human caveolin 1 gene upstream purine complex and neurodegeneration--a common signature. Heidari A, Behmanesh M, Sahraian MA, Meshkani R, Darvish H, Najmabadi H, Ohadi M, Journal of Neuroimmunology. Vol , issue 1-2, pp. 106–110, 2011.
- 142.** Study of Neuritensin receptors in Ovarian cancer cell lines, Ghaemi Manesh F., Rabani H., Ahmadian Gh., Zarnani A.H., Behmanesh M., Hormozi M, Iranian Journal of Biology.,Vol 25, No 4, 474-483. 2012.(83601)
- 143.** Cloning , Expression and study of biological activity of a ScFv from mouse monoclonal antibody of human plasminogene, Seifi Abolhasan M., Mirshahi M., Behmanesh M., Gharaati M.R., Charbgo F., Mohamadi M., bejgi M., Iranian Journal of Biology,(In press).(10276)
- 144.** Time-course changes in fungal elicitor- induced lignin synthesis and expression of the relevant genes in cell cultures of *Linum album*. Esmaeizadeh bahabadi S., Sharifi M., Behmanesh M., Safaie N., Murata J., Araki R., Yamagaki T., Satake H., Journal of Plant physiology.15; 169(5): 487-91, 2012.
- 145.** Cloning and expression of a scFV from an anti human plasminogen monoclonal antibody, Gharaati M.R., Mirshahi M., Rabbani H., Saife-

- Abolhassan M., Behmanesh M., Shamsi Poor F., Iranian Journal of Biology, Vol 26, No 1, p 52-60, 2012.(83596)
- 146.** Ultrasound-potentiated Salicylic Acid-induced Physiological Effects and Production of Taxol in Hazelnut (*Corylus avellana* L.) Cell Culture. Rezaei A., Ghanati F., Behmanesh M., Mokhtari- Dizaji M. Ultrasound Med. Biol., Vol 37, No 11, p1938-1947, 2011.
- 147.** Increase of seed germination and membrane integrity of wheat seedling by exposure to static and a 10 khz electromagnetic field. Payez A., Ghanati F., Behmanesh M., Abdolmaaleki P., Hajnorouzi A., Rajabbeigi E., Electromagnetic Biology and Medicine, 32(4), pp.417-29, 2013.
- 148.** Bactriorhodopsin and its Mutants allude a breakthrough impending to artificial retina construction and strategies for curing blindness. Saeedi P., Mohammadian Moosaabadi J., Behmanesh M., Eidi A., Fallah Mehrabadi J., Journal of Paramedical Sciences, Winter , Vol 2 ., No 1, 33-40, 2011.(82914).
- 149.** Studies on seed germination and in vitro shoot multiplication of *Satureja Khuzistanica* Jamzad, an important medical plant, Ramak P., Sharifi M., Kazempour Osanloo S., Ebrahimzadeh H., Behmanesh M., African Journal of Biotechnology 10(83), pp. 19407- 14, 2011.
- 150.** Study of SUZ12 gene expression as an epigenetic biomarker in chronic myeloid leukemic patients, Ghalandary M., Behmanesh M., Akbari MT., Iranian Journal of Biology. Vol 25, No 2, 2012.(83595).
- 151.** Variation in SNPS of the IL7RA gene is associated with Multiple Sclerosis in Iranian population. Heidari M., Behmanesh M., Sahraian MA. Immunological Investigations, 40(3), pp. 279-89, 2011.
- 152.** Studying the association of SNP8NRG241930 in 5' end of Neuroglin 1 gene with Schizophrenia in a group of Iranian patients, Shariati S. A. M., Behmanesh M., Galehdari H., Cell Journal , Vol 13, No 2, summer, 91-96, 2011.
- 153.** The detection of disseminated tumor cells in bone marrow and peripheral blood of gastric cancer patients by multimarker (CEA, CK20, TFF1 and MUC2) quantitative real-time PCR, Dardaei L., Shahsavani R., Ghavamzadeh A., Behmanesh M., Aslankoochi E., Alimoghadam K., Ghaffari S.H., Clinical Biochemistry, 44, 325-330. 2011.

- 154.** Increasing Tropane Alkaloids Synthesis and H6h Gene expression in plantlets of *Atropa belladonna* L. by Carbohydrates, Vakili B., Karimi F., Sharifi M., Behmanesh M., *Modares Biological Sciences and Technology*, Vol 2, No 1, spring and summer, 5-17, 2011.
- 155.** Detection of drug resistance mutation in the YMDD region of polymerase gene of HBV in Hepatitis B patients by ligase chain reaction (LCR)., Khojareh L., Sadeghizadeh M., Bahramali G., Hosseinkhani S., Behmanesh M., *New Cell Molecular Biotechnology*, Vol 1, No4., 2011.
- 156.** Bacteriophage Lambda-Mediated Gene Transfer into Human AGS Cell Line, Khalaj-Kondori M., Sadeghizadeh M., Behmanesh M., 2nd International Conference on Chemical, Biological and Environmental Engineering (ICBEE 2010) pp176-179, 2010.
- 157.** Podophyllotoxin: current approaches to its biotechnological production and future challenges. Yousefzadi M., Sharifi M., Behmanesh M., Moyano E., Bonifill M., Cusido RM., Palazon J. *Engineering in Life Sciences* 10(4), PP. 281-292. 2010.
- 158.** Salicylic acid improves podophyllotoxin production in cell cultures of *Linum album* by increasing the expression of genes related with its biosynthesis. Yousefzadi M, Sharifi M, Behmanesh M, Ghasempour A, Moyano E, Palazon J. *Biotechnology letters* t. 2010 Nov;32(11):1739-43. 2010 .
- 159.** Optimization of podophyllotoxin extraction method from *Linum album* cell cultures. Yousefzadi M, Sharifi M, Chashmi NA, Behmanesh M, Ghasempour A. *Pharmaceutical Biology*. 48(12); 1421-5, 2010. (Minireview).
- 160.** ITPA protein, an enzyme that eliminates deaminated purine nucleoside triphosphate in cells. Sakumi K., Abolhassani N., Behmanesh M., Lyama T., Tsuchimoto D., Nakabeppu Y., *Mutation Research* 703, 43-50, 2010.
- 161.** Overexpression of TGF- β 1 and TGF- β 3 genes in lung of toxic inhaled patients, Zarin A. A., Behmanesh M., Tavallaei M., Shohrati M., Ghanei M., *Experimental Lung Research*, 36(5), 284-91, 2010.

- 162.** NUDT16 and ITPA play a dual protective role in maintaining chromosome stability and cell growth by eliminating dIDP/IDP and dITP/ITP from nucleotide pools in mammals, Abolhassani N., Iyama T., Tsuchimoto D., Sakumi K., Ohno M., Behmanesh M., Nakabeppu Y. *Nucleic Acids Research*, Vol 38(9), pp. 2891-903, 2010.
- 163.** Association study of rs13241278 and rs2693657 polymorphisms of PTPRZ₁ gene with multiple sclerosis in Iranian population. Bahadori Z., Behmanesh M, Sahraian MA, Heidari M. *Yakhteh Medical Journal*, Vol 12, No 3, 341-48, 2010.
- 164.** Development of a quantitative Real-Time PCR for micrometastasis detection using CEA in peripheral blood and bone marrow Specimens of Gastric cancer patients, Dardaei A., Shamsavani R., Ghavamzadeh A., Behmanesh M., Aslankoochi E., Alimoghadam K. and Ghaffari S. H., *Tehran University of Medical Journal*, Vol 67, No. 8, Nov, p542-548, 2009.
- 165.** ITPase-deficient mice show growth retardation and die before weaning, Behmanesh M., Sakumi K., Abolhassani N., Toyokuni S., Oka S., Ohnishi Y. N., Tsuchimoto D., Nakabeppu Y., *Cell Death and Differentiation*, 16(10), pp.1315-22, 2009.
- 166.** Gene expression of Eugenol O - methyl transferase and components of essential oils in (*Ocimum basilicum* L.) at different stages of growth Tahsili J. Sharife M., Behmanesh M., Ziaee M. *Iranian Journal of Biology*, Vol 23, No. 1, 18-25, 2010. (83588).
- 167.** Expression Study of *TIMP1* gene in Lung Biopsies of Chemical Injured People Poisoned with Mustard Gas, Zarin A. A., Behmanesh M., Tavallaee M., Ghanei M., *New Genetics*, Vol 3, No 2, p 55-63, 2008. (81479).
- 168.** Comparison of ITPA Gene Expression in Chronic Myelogenous (CML) Patients and controls, Hasannia B., Behmanesh M., Akbari M. T., *Modares Journal of Medical Science*, Vol 11, No 1, 2, p 45-55, 2008.
- 169.** Multiplex tetra-primer amplification refractory mutation system PCR to genotype SNP8N221533 of Neuregulin-1 gene. Shariati S. A., Behmanesh M., Galehdari H., Fathian A., *Iranian Journal of Biotechnology*, Vol 6, No 2, p 107-112, 2008.
- 170.** Cellular Morphology and immunologic properties of *Escherichia Coli* treated with antimicrobial antisense peptide nucleic acid, Nikravesh A.,

- Sadeghizadeh M, Behmanesh M. Good L, Iranian Journal of Pathology, vol 4, No 1, 13-18, 2008. (83907).
171. Inability of specific shRNA for stable reduction of E1A gene expression in HEK293 cell line, Vosgha H, Behmanesh M., Sadeghizadeh M. Modares Journal of Medical Science, Vol 10, No 3-4, P 95-103, 2008.
172. Study of ITPA gene expression in K562 cell line, Danaee Y, Behmanesh M., Sadeghizadeh M. Modares Journal of Medical Science, Volume 10, No. 2, 1-10, 2007.
173. Antisense PNA Accumulates in Escherichia coli and Mediates a long post- antibiotic Effect. Nikravesh A., Dryselius R., Faridani O. R, Goh S., Sadeghizadeh M., Behmanesh M., Ganyu A., Zain R., and Good L., The American Society of Gene Therapy, Vol. 15, No. 8, 1537-42, 2007.
174. Detection of Adenovirous types 40 and 41 in children's Diarrheal Stool Samples by Solid Phase PCR (Detection of immobilized Amplified Product in a one Phase System), Sistani R. N., Sadeghizadeh M., Saderi H., Tafreshi N. K., Behmanesh M. and Shirzad H., Iranian Journal of Biotechnology, Vol 5, No.1 , p 2007.(78417).
175. Characterization of the structure and expression of mouse *Itpa* gene and its related sequences in the mouse genome Behmanesh M., Sakumi K., Tsuchimoto D., Torisu K., Ohnishi-Honda Y., Rancourt D. E., Nakabeppu Y., DNA Research, No 12(1), May, 39-51,2005.
176. Identification and characterization of two forms of mouse MUTYH proteins encoded by alternatively spliced transcripts. Ichinoe A., Behmanesh M., Tominaga Y., Ushijima Y., Hirano S., Sakai Y., Tsuchimoto D., Sakumi K., Wake N., Nakabeppu Y. Nucleic Acids Research, Vol. 32, No. 2 477-87, 2004.

Book chapter:

1. Prevention of the Mutagenecity and Cytotoxicity of Oxidized Purine Nucleotides,. Nakabeppu Y., Behmanesh M., YamaguchiH., Yoshimura D. and Kunihiro Sakumi. *Oxidative Damage to Nucleic Acids* ,Molecular Biology intelligent unit, LANDES Bioscience, Springer, U. S. A., ISBN 978-0-387-72973-2, 2007.

