

Dariush Shanehbandi

Curriculum Vitae

Identifying information

Surname, Name: **Shanehbandi, Dariush**

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Address: **Immunology Research Center, Tabriz University of Medical Sciences, Daneshgah St., Tabriz, Iran**

ORCID ID: **0000-0002-9449-0607**

Educational Background

Ph.D in Medical Biotechnology Sep 2013- Apr 2017

Alma Mater: Tabriz University of Medical Sciences, Tabriz, Iran

GPA: 19.54 out of 20

Thesis title: Production of a chimeric mouse-human monoclonal antibody against human CD20

M.Sc. in Biotechnology Sep2007-April 2010

Alma Master: Payame Noor University of Tehran, Karaj, Iran

GPA: 17.73 out of 20

Thesis title: Cloning of Carbonic anhydrase from *Dunaliella* microalgae (isolated from Iranian salty lakes)

Research/Work Experience

Assistant Professor April 2018 - Present

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

Researcher and Research assistant: Immunology Research Center, Tabriz University of Medical Sciences, Tabriz, Iran **April 2011- April 2018**

Laboratory and Research Experience and Skills

More than 15 years of experience in Molecular biology techniques including:

- DNA and RNA extraction, PCR, qRT-PCR (SYBR green and TaqMan methods), Cloning and Genetic Engineering, Expression, Molecular markers (RAPD, RFLP and ...), Western blotting, ELISA, Cell culture, RNAi (siRNA and miRNA replacement), transfection, Luciferase assay, Genome editing (practically: knockout by CRISPR-Cas9 system)
- *E. coli* and Mammalian cell culture
- Scientific manuscript writing using professional softwares (Microsoft office, EndNote)
- Online biotechnology databases (NCBI, Ensemble, miRbase, and ...), online and installable bioinformatics tools (clustalx, Mega, Oligo7, CRISPR tools and ...).

Major Research Interests

- Molecular Biology of Cancer, Recombinant DNA Technology, Epigenetics and Non-Coding RNAs

1. Abbasi, Mehran Mesgari, Monireh Khordadmehr, Dariush Shanehbandi, Farinaz Jigari Asl, Reza Teimuri Mofrad, Shabnam Tahmasebi, Mohammad Shahab Asar, Fateme Eskandari Vaezi, and Yousef Panahi. "Apoptosis Induction by New Coumarin Derivatives in a Mice Model of Breast Cancer." *Archives of Razi Institute* 78, no. 5 (2023): 1430.
2. Abbasi-Kenarsari, Hajar, Farzaneh Shafaghat, Behzad Baradaran, Ali Akbar Movassaghpour, Dariush Shanehbandi, and Tohid Kazemi. "Cloning and Expression of Cd19, a Human B-Cell Marker in Nih-3t3 Cell Line." *Avicenna Journal of Medical Biotechnology* 7, no. 1 (2015): 39-44.
3. Abdolrahimi, Zohreh, Faria Aslani, Shahram Gasembaglou, and Dariush Shanehbandi. "Evaluation of the Expression Level of Mir-32 and Pten in Melanoma." *Journal of Mazandaran University of Medical Sciences* 33, no. 2 (2023): 309-315.
4. Abolghasemi, Mahsa, Sepide Ali Ashrafi, Milad Asadi, Dariush Shanehbandi, Saeed Sadigh Etehad, Elham Poursaei, Seyed Aria Nejadghaderi, and Sheida Shaafi. "MicroRNAs Expression in Peripheral Blood Mononuclear Cells of Patients with Multiple Sclerosis Propose." *Molecular Biology Reports* 50, no. 1 (2023): 167-172.
5. Abolghasemi, Mahsa, Sepide Ali Ashrafi, Milad Asadi, Dariush Shanehbandi, Saeed Sadigh Etehad, Elham Poursaei, Seyed Aria Nejadghaderi, and Sheida Shaafi. "Altered Mir-10, Mir-24a, Mir-124, and Mir-21 Expression in Peripheral Blood Mononuclear Cells of Patients with Multiple Sclerosis." Preprint. Available from: <https://assets.researchsquare.com/files/rs-1490169/v1/ea525601-112a-4281-982e-c97463c22b37.pdf>, (2022).
6. Abolghasemi, Mahsa, Yousef Daneshmandpour, Elham Poursaei, Javad Jamshidi, Behzad Baradaran, Dariush Shanehbandi, Somayeh Kazeminasab, and Babak Emamalizadeh. "Mmp9 (Rs20544) and Adcy2 (Rs58502974) as Susceptibility Factors for Schizophrenia in Iranian Population." *Meta Gene* 26, (2020): 100810.
7. Abolghasemi, Mahsa, Elham Poursaei, Soghra Bornehdeli, Dariush Shanehbandi, Milad Asadi, Mahsa Sadeghzadeh, and Reza Naghdi Sadeh. "Exploration of Potential

- Circulating Micro-Rna as Biomarker for Alzheimer's Disease." *Meta Gene* 30, (2021): 100968.
8. Afkari, Babak, Zohreh Babaloo, Sanam Dolati, Alireza Khabazi, Farhad Jadidi-Niaragh, Mahsa Talei, Dariush Shanehbandi, Shiva Mahmoudi, Bitahazhirkarzar, and Ebrahim Sakhinia. "Molecular Analysis of Interleukin-10 Gene Polymorphisms in Patients with Behçet's Disease." *Immunology Letters* 194, (2018): 56-61.
 9. Aftabi, Younes, Khalil Ansarin, Dariush Shanehbandi, Majid Khalili, Ensiyeh Seyedrezazadeh, Leila Rahbarnia, Milad Asadi, Amir Amiri-Sadeghan, Venus Zafari, and Shirin Eyvazi. "Long Non-Coding Rnas as Potential Biomarkers in the Prognosis and Diagnosis of Lung Cancer: A Review and Target Analysis." *IUBMB life* 73, no. 2 (2021): 307-327.
 10. Aghbali, A, S Vosough Hosseini, F Moradi Abbasabadi, L Mohammadnejad, D Shanehbandi, and B Baradaran. "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* 10, no. 2 (2013): 65-72.
 11. Aghbali, Amirala, Sona Rafieyan, Leila Mohamed-Khosroshahi, Behzad Baradaran, Dariush Shanehbandi, and Maryam Kouhsoltani. "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).
 12. AGHEBATI, MALEKI LEILI, JAFAR MAJIDI, MEHDI YOUSEFI, BEHZAD BARADARAN, JALAL ABDOLALIZADEH, KHOSROSHAHI LEILA MOHAMED, and DARIUSH SHANEHBANDI. "Induction of Anti-Proliferative and Apoptotic Effects by Anti-Ror1 Receptor Single Chain Antibodies in Cancer Cells." (2017).
 13. Aghebati-Maleki, Leili, Vahid Younesi, Behzad Baradaran, Jalal Abdolalizadeh, Morteza Motalebnezhad, Hamid Nickho, Dariush Shanehbandi, Jafar Majidi, and Mehdi Yousefi. "Antiproliferative and Apoptotic Effects of Novel Anti-Ror1 Single-Chain Antibodies in Hematological Malignancies." *SLAS DISCOVERY: Advancing Life Sciences R&D* 22, no. 4 (2017): 408-417.
 14. Ahmad, Saeed Nazari Soltan, Akabar Hasani, Mohammad Rahmati-yamchi, Hamed Hajipour, Hamed Hamishehkar, and Dariush Shanehbandi. "Enhanced Anti-Cancer Capability of Ellagic Acid Using Solid Lipid Nanoparticles (SlNs)." (2018).

15. Ajdary, Haniye, Sahar Safaei, Shahryar Hashemzadeh, Tohid Kazemi, Dariush Shanehbandi, Amir Baghbanzadeh, Darya Javadrashid, Mohammad Amini, and Behzad Baradaran. "Chemotherapeutic Agents Increase Pd-L1 Expression in A549 Lung Cancer Cell Line." (2021).
16. Akbari, Morteza, Dariush Shanehbandi, Milad Asadi, Navid Shomali, Afsaneh Faraji, Vahid Khaze, Abbas Pakdel, Ahad Mokhtarzadeh, Ali Asghar Ebrahimi, and Aliakbar Shabani. "Effects of Cd133 Silencing on Survival and Migration of Ht-29 Colorectal Cancer Cells." *Iranian Journal of Immunology* 16, no. 3 (2019): 246-257.
17. Akbari, Morteza, Navid Shomali, Afsaneh Faraji, Dariush Shanehbandi, Milad Asadi, Ahad Mokhtarzadeh, Aliakbar Shabani, and Behzad Baradaran. "Cd133: An Emerging Prognostic Factor and Therapeutic Target in Colorectal Cancer." *Cell biology international* 44, no. 2 (2020): 368-380.
18. Akbarzadeh, Maryam, Reza Rahbarghazi, Elahe Nabat, Ali Akbar Movassaghpour, Dariush Shanehbandi, Behnaz Faramarzian Azimi Maragheh, Danial Matluobi, Balal Barazvan, Masoume Kazemi, and Nasser Samadi. "The Impact of Different Extracellular Matrices on Melatonin Effect in Proliferation and Stemness Properties of Ovarian Cancer Cells." *Biomedicine & Pharmacotherapy* 87, (2017): 288-295.
19. Ali Ashrafi, Sepide, Milad Asadi, Dariush Shanehbandi, Saeed Sadigh Eteghad, Asra Fazlollahi, Seyed Aria Nejadghaderi, and Sheida Shaafi. "Association between Mirna-145 and Mirna-155 Expression in Peripheral Blood Mononuclear Cells of Patients with Multiple Sclerosis: A Case-Control Study." *BMC neurology* 22, no. 1 (2022): 405.
20. Alizadeh, Nazila, Milad Asadi, Dariush Shanehbandi, Venus Zafari, Navid Shomali, Touraj Asvadi, and Bita Sepehri. "Evaluation of the Methylation of Mir129-2 Gene in Gastric Cancer." *Journal of Gastrointestinal Cancer* 51, (2020): 267-270.
21. Alizadeh, Paria, Ahamd Daryani, Ehsan Ahmadpour, Tohid Kazemi, Adel Spotin, Mahmoud Mahami-Oskoui, Yaghob Azadi, Saba Rajabi, and Dariush Shanehbandi. "Cloning and Expression of Toxoplasma Gondii Rhopty13 Gene in Pcdna3 Plasmid." *Journal of Mazandaran University of Medical Sciences* 28, no. 169 (2019): 26-35.
22. Alizadeh, Zahra, Mahmoud Mahami-Oskouei, Adel Spotin, Tohid Kazemi, Ehsan Ahmadpour, Pengfei Cai, Dariush Shanehbandi, and Najibeh Shekari. "Parasite-Derived Micromnas in Plasma as Novel Promising Biomarkers for the Early Detection of Hydatid Cyst Infection and Post-Surgery Follow-Up." *Acta tropica* 202, (2020): 105255.

23. Amiri, Parichehr, Behzad Baradaran, Maryam Saghafi-Asl, Mahsa Naghizadeh, Dariush Shanehbandi, Nahid Karamzad, and Sepideh Zununi Vahed. "Association of Proinflammatory Genes Expression with Serum Interleukin 1 β and Free Fatty Acids in Metabolically Healthy and Unhealthy Abdominally Obese Individuals: A Case-Control Study." *BMC immunology* 20, (2019): 1-10.
24. Amiri, Parichehr, Mahsa Naghizadeh, Behzad Baradaran, Maryam Saghafi-Asl, Dariush Shanehbandi, and Susan Mirmajidi. "Insulin Resistance in Relation to Inflammatory Gene Expression and Metabolic Features in Apparently Healthy Obese Individuals." *International Journal of Diabetes in Developing Countries* 39, (2019): 66-73.
25. Ansarin, Atefeh, Aida Malek Mahdavi, Zeinab JavadiVala, Dariush Shanehbandi, Habib Zarredar, and Khalil Ansarin. "The Cross-Talk between Leptin and Circadian Rhythm Signaling Proteins in Physiological Processes: A Systematic Review." *Molecular Biology Reports* 50, no. 12 (2023): 10427-10443.
26. Anvarnia, Alireza, Farzad Mohaddes-Gharamaleki, Milad Asadi, Morteza Akbari, Bahman Yousefi, and Dariush Shanehbandi. "Dysregulated Micrnas in Colorectal Carcinogenesis: New Insight to Cell Survival and Apoptosis Regulation." *Journal of Cellular Physiology* 234, no. 12 (2019): 21683-21693.
27. Armat, Marzieh, Taiebeh Oghabi Bakhshaiesh, Mehdi Sabzichi, Dariush Shanehbandi, Simin Sharifi, Ommoleila Molavi, Jamal Mohammadian, Mohammad Saeid Hejazi, and Nasser Samadi. "The Role of Six1 Signaling in Paclitaxel-Dependent Apoptosis in Mcf-7 Cell Line." *Bosnian journal of basic medical sciences* 16, no. 1 (2016): 28.
28. Asadi, Hamed, Mona Orangi, Dariush Shanehbandi, Zohreh Babaloo, and Abbas Delazar. "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).
29. Asadi, Milad, Dariush Shanehbandi, Ayse Caner, Habin Zarredar, Shahram Gasembaglou, Venus Zafari, Tuoraj Asvadi Kermani, and Ayşe Caner. "Downregulation of Slc-16 Can Increase Apoptosis Level in Gastrointestinal Cancer." In *Sağlık Bilimlerinde İleri Araştırmalar Dergisi*, 5, 39-39: Istanbul University, 2022.
30. Asadi, Milad, Dariush Shanehbandi, Touraj Asvadi Kermani, Zohreh Sanaat, Venus Zafari, and Shahrivar Hashemzadeh. "Expression Level of Caspase Genes in Colorectal Cancer." *Asian Pacific Journal of Cancer Prevention: APJCP* 19, no. 5 (2018): 1277.

31. Asadi, Milad, Dariush Shanehbandi, Hanieh Mohammadpour, Shahriyar Hashemzadeh, and Bita Sepehri. "Expression Level of Mir-34a in Tumor Tissue from Patients with Esophageal Squamous Cell Carcinoma." *Journal of Gastrointestinal Cancer* 50, (2019): 304-307.
32. Asadi, Milad, Dariush Shanehbandi, Venus Zafari, Vahid Khaze, Mohammad Hosein Somi, and Shahriar Hashemzadeh. "Transcript Level of MicroRNA Processing Elements in Gastric Cancer." *Journal of Gastrointestinal Cancer* 50, (2019): 855-859.
33. Asadi, Milad, Dariush Shanehbandi, Armin Zarintan, Negar Pedram, Behzad Baradaran, Venus Zafari, Masoud Shirmohamadi, and Shahriyar Hashemzadeh. "Tp53gene Pro72arg (Rs1042522) Single Nucleotide Polymorphism as Not a Risk Factor for Colorectal Cancer in the Iranian Azari Population." *Asian Pacific Journal of Cancer Prevention: APJCP* 18, no. 12 (2017): 3423.
34. Asadi, Milad, Shoan Taheri Talesh, Morten Frier Gjerstorff, Dariush Shanehbandi, Behzad Baradaran, Shahriar Hashemzadeh, and Venus Zafari. "Identification of Mirnas Correlating with Stage and Progression of Colorectal Cancer." *Colorectal Cancer* 8, no. 2 (2019): CRC06.
35. Asadi, Milad, Habib Zarredar, Venus Zafari, Zahra Soleimani, Hossein Saeedi, Ayse Caner, and Dariush Shanehbandi. "Immune Features of Tumor Microenvironment: A Genetic Spotlight." *Cell Biochemistry and Biophysics* 82, no. 1 (2024): 107-118.
36. Asadzadeh, Zahra, Behzad Mansoori, Ali Mohammadi, Tohid Kazemi, Ahad Mokhtarzadeh, Dariush Shanehbandi, Nima Hemmat, Afshin Derakhshani, Oronzo Brunetti, and Sahar Safaei. "The Combination Effect of Prominin1 (Cd133) Suppression and Oxaliplatin Treatment in Colorectal Cancer Therapy." *Biomedicine & Pharmacotherapy* 137, (2021): 111364.
37. Asemani, Sanaz, Vahid Montazeri, Mitra Foroutan-Ghaznavi, Seyed-Sajjad Pirouzpanah, Behzad Baradaran, Sahar Jafari, Ali Barzegar, Dariush Shanehbandi, Nahideh Asadi, and Saeed Pirouzpanah. "Dietary Patterns and Relative Expression Levels of Ppar- γ , Vegf-a and Hif-1 α Genes in Benign Breast Diseases: Case-Control and Consecutive Case-Series Designs." *British Journal of Nutrition* 124, no. 8 (2020): 832-843.
38. Asghari, Faezeh, Navideh Haghnavaz, Dariush Shanehbandi, Vahid Khaze, Behzad Baradaran, and Tohid Kazemi. "Differential Altered Expression of Let-7a and Mir-205 Tumor-Suppressor Mirnas in Different Subtypes of Breast Cancer under Treatment with Taxol." *Advances in Clinical & Experimental Medicine* 27, no. 7 (2018).

39. Aslan, Cynthia, Sepideh Maralbashi, Houman Kahroba, Milad Asadi, Mohammad Sadegh Soltani-Zangbar, Mahsa Javadian, Dariush Shanehbandi, Behzad Baradaran, Masood Darabi, and Tohid Kazemi. "Docosahexaenoic Acid (Dha) Inhibits Pro-Angiogenic Effects of Breast Cancer Cells Via Down-Regulating Cellular and Exosomal Expression of Angiogenic Genes and Micrnas." *Life Sciences* 258, (2020): 118094.
40. Aslanian-Kalkhoran, Lida, Daniel Elieh-Ali-Komi, Mahnaz Sadeghi-Shabestari, Dariush Shanehbandi, Zohreh Babaloo, Alireza Razavi, Saeed Sadigh-Eteghad, and Tohid Kazemi. "Investigation of Fc Receptor-Like 3 (Fcrl-3) Gene Polymorphism (Rs7528684) with Susceptibility to Allergic Asthma in Iranian North-Western Azeri Population." *Clinical laboratory*, no. 07+08/2017 (2017).
41. Attari, Vahideh Ebrahimzadeh, Seyed Sadroddin Rasi Hashemi, Solmaz Oloufi, Leili Aghebati Maleki, Dariush Shanehbandi, Mahsa Jalili, Ali Aghebati Maleki, Hamid Noshad, and Mohammad Reza Ardalan. "The Association of Two Single-Nucleotide Polymorphisms of the Foxp3 Gene (Rs3761548 and Rs3761547) with Renal Allograft Function and Survival in Kidney Transplant Recipients." *Immunopathologia Persa* 7, no. 2 (2020): e21-e21.
42. Azar, Mohammad Reza Mohammad Hoseini, Morteza Akbari, Halgurd Nadhim Mohammed, Milad Asadi, Dariush Shanehbandi, Mehdi Rezai, Venus Zafari, Saman Niknam, Rozita Tamjidifar, and Saeed Tarzi. "Dysregulation of Mir-27a and Smad2 Can Be a Reliable Indicator in the Prognosis and Diagnosis of Crc as Well as in Response to Chemotherapy Drugs." *Gene Reports* 21, (2020): 100844.
43. Azar, Mohammad Reza Mohammad Hoseini, Dariush Shanehbandi, Mahmoud Mansouri, Sahar Pashaei Sarand, Milad Asadi, Morteza Akbari, Mahsa Sadeghzadeh, Mahsa Abolghasemi, Elham Poursaei, and Shahram Gasembaglou. "Altered Expression Levels of Mir-212, Mir-133b and Mir-27a in Tongue Squamous Cell Carcinoma (Tsc) with Clinicopathological Considerations." *Gene Reports* 19, (2020): 100622.
44. Baghal Asghari, Farzaneh, Mohammad Hadi Dehghani, Reza Dehghanzadeh, Davoud Farajzadeh, Dariush Shanehbandi, Amir Hossein Mahvi, Kamyar Yaghmaeian, and Akbar Rajabi. "Performance Evaluation of Ozonation for Removal of Antibiotic-Resistant Escherichia Coli and Pseudomonas Aeruginosa and Genes from Hospital Wastewater." *Scientific Reports* 11, no. 1 (2021): 24519.
45. Baghbani, Elham, Behzad Baradaran, Fatemeh Pak, Leila Mohammadnejad, Daryoush Shanehbandi, Behzad Mansoori, Vahid Khaze, Noushin Montazami, Ali Mohammadi, and Parviz Kokhaei. "Suppression of Protein Tyrosine Phosphatase Ptpn22 Gene Induces

Apoptosis in T-Cell Leukemia Cell Line (Jurkat) through the Akt and Erk Pathways." *Biomedicine & Pharmacotherapy* 86, (2017): 41-47.

46. Baghbani, Elham, Saeed Noorolyai, Shima Rahmani, Dariush Shanehbandi, Mahdi Abdoli Shadbad, Leili Aghebati-Maleki, Ahad Mokhtarzadeh, Oronzo Brunetti, Rossella Fasano, and Nicola Silvestris. "Silencing Tumor-Intrinsic Cd73 Enhances the Chemosensitivity of Nsclc and Potentiates the Anti-Tumoral Effects of Cisplatin: An in Vitro Study." *Biomedicine & Pharmacotherapy* 145, (2022): 112370.
47. Baghbani, Elham, Saeed Noorolyai, Dariush Shanehbandi, Ahad Mokhtarzadeh, Leili Aghebati-Maleki, Vahid Khaze Shahgoli, Oronzo Brunetti, Shima Rahmani, Mahdi Abdoli Shadbad, and Amir Baghbanzadeh. "Regulation of Immune Responses through Cd39 and Cd73 in Cancer: Novel Checkpoints." *Life Sciences* 282, (2021): 119826.
48. Baghi, Hossein Bannazadeh, Behrouz Naghili, Dariush Shanehbandi, and Hamed Ebrahimzadeh Leylabadlo. "Evaluation of a Human Gut-Associated Phage and Gut Dominant Microbial Phyla in the Metabolic Syndrome." *Clinical Nutrition ESPEN* 50, (2022): 133-137.
49. Bajhan, Elshan, Behzad Mansoori, Ali Mohammadi, Dariush Shanehbandi, Vahid Khaze Shahgoli, Elham Baghbani, Khalil Hajiasgharzadeh, and Behzad Baradaran. "MicroRNA-143 Inhibits Proliferation and Migration of Prostate Cancer Cells." *Archives of Physiology and Biochemistry* 128, no. 5 (2022): 1323-1329.
50. Bakhshaiesh, Tayebah Oghabi, Marzie Armat, Dariush Shanehbandi, Simin Sharifi, Behzad Baradaran, Mohammad Saeed Hejazi, and Nasser Samadi. "Arsenic Trioxide Promotes Paclitaxel Cytotoxicity in Resistant Breast Cancer Cells." *Asian Pacific Journal of Cancer Prevention* 16, no. 13 (2015): 5191-5197.
51. Brazvan, Balal, Raheleh Farahzadi, Seyede Momeneh Mohammadi, Soheila Montazer Saheb, Dariush Shanehbandi, Laurent Schmied, Jafar Soleimani Rad, Masoud Darabi, and Hojjatollah Nozad Charoudeh. "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*, no. 0 (2016).
52. Chavoshi, Hadi, Soghra Bornehdeli, Milad Asadi, Roya Dolatkah, Dariush Shanehbandi, and Mortaza Raeisi. "Profiling of Micrnas Targeting Survivin in the Iranian Patients with Colorectal Cancer." (2021).

53. Dabbaghipour, Reza, Vahid Khaze Shahgoli, Sahar Safaei, Mohammad Amini, SMB Tabei, Dariush Shanehbandi, Omid Rahbar Farzam, Behzad Baradaran, and Mona Entezam. "Sirna-Mediated Downregulation of Batf3 Diminished Proliferation and Induced Apoptosis through Downregulating C-Myc Expression in Chronic Myelogenous Leukemia Cells." *Molecular Biology Reports* 51, no. 1 (2024): 100.
54. Danaiyan, Sepideh, Mehran Mesgari Abbasi, Sina Raeisi, Hassan Argani, Amir Ghorbanihaghjo, Dariush Shanehbandi, Leila Roshangar, Haniyeh Poursistany, Sara Abedi, and Jamal Mohammadian. "The Effects of Remdesivir and Dexamethasone on Renal Sirtuin-1 Expression and Renal Function in Male Rats." *Applied Biochemistry and Biotechnology* 196, no. 2 (2024): 632-642.
55. Davudian, Sadaf, Neda Shajari, Tohid Kazemi, Behzad Mansoori, Shima Salehi, Ali Mohammadi, Dariush Shanehbandi, Vahid Khaze Shahgoli, Milad Asadi, and Behzad Baradaran. "Bach1 Silencing by Sirna Inhibits Migration of Ht-29 Colon Cancer Cells through Reduction of Metastasis-Related Genes." *Biomedicine & Pharmacotherapy* 84, (2016): 191-198.
56. Dehghan, Mahshid, Milad Asadi, Dariush Shanehbandi, Ayse Caner, Venus Zafari, Habib Zarehdar, Peyman Virani, and Ali Farbod. "Lnchotair and Snhg-7 Expression in Correlation to Mir-34a Expression in Gastric Cancer Pathogenesis." (2022).
57. Dehghanzadeh, R, Z Babaloo, E Sakhinia, D Shanehbandi, A Khabazi, and S Sadigh-Eteghad. "Il-27 Gene Structural Variations in Behcet's Disease." In *EUROPEAN JOURNAL OF HUMAN GENETICS*, 26, 870-870: NATURE PUBLISHING GROUP MACMILLAN BUILDING, 4 CRINAN ST, LONDON N1 9XW, ENGLAND, 2018.
58. Dehghanzadeh, Rashedeh, Zohreh Babaloo, Ebrahim Sakhinia, Alireza Khabazi, Dariush Shanehbandi, Saeed Sadigh-Eteghad, and Tohid Gharibi. "Il-27 Gene Polymorphisms in Iranian Patients with Behcet's Disease." *Clin. Lab.*, (2015).
59. Dolatkhah, Roya, Mohammad Hossein Somi, Saeed Dastgiri, Mohammad Asghari Jafarabadi, Hossein Mashhadi Abdolahi, Dariush Shanehbandi, Milad Asadi, Marzieh Nezamdoust, Neda Dolatkhah, and Faris Farassati. "Cross-Cultural Validation of Stool Based Colorectal Cancer Screening Methods in the North West of Iran." *Annals of Medicine and Surgery* 76, (2022): 103494.
60. Ebrahimzadeh Leylabadlo, Hamed, Reza Ghotaslou, Hossein Samadi Kafil, Mohammad Mehdi Feizabadi, Seyed Yaghoub Moaddab, Safar Farajnia, Elham Sheykhsaran, Sarvin Sanaie, Dariush Shanehbandi, and Hossein Bannazadeh Baghi. "Non-Alcoholic Fatty

Liver Diseases: From Role of Gut Microbiota to Microbial-Based Therapies." *European Journal of Clinical Microbiology & Infectious Diseases* 39, (2020): 613-627.

61. Ehsasatvatan, Maryam, Ashraf Gholizadeh, Hamideh Ofoghi, and Dariush Shanehbandi. "Physical and Biologically Effective Parameters in Developing Transplastomic Tobacco Plants by Particle Bombardment Method Using Pds-1000/He." *Genetic Engineering and Biosafety Journal* 10, no. 2 (2022): 237-252.
62. Ehsasatvatan, Maryam, Bahram Baghban Kohnehrouz, Ashraf Gholizadeh, Hamideh Ofoghi, and Dariush Shanehbandi. "The Production of the First Functional Antibody Mimetic in Higher Plants: The Chloroplast Makes the Darpin G3 for Her2 Imaging in Oncology." *Biological Research* 55, no. 1 (2022): 32.
63. Elieh Ali Komi, Daniel, Mahnaz Sadeghi-Shabestari, Dariush Shanehbandi, Zohreh Babaloo, Alireza Razavi, Saeed Sadigh-Eteghad, and Tohid Kazemi. "Investigation of Chitinase3like-1 (Chiti311) Gene Polymorphism (Rs4950928) with Susceptibility to Allergic Asthma in Iranian Northwestern Azeri Population." *Research in Molecular Medicine* 7, no. 4 (2019): 17-24.
64. Elieh-Ali-Komi, Daniel, Mahnaz Sadeghi-Shabestari, Dariush Shanehbandi, Zohreh Babaloo, Alireza Razavi, Aeed Sadigh-Eteghad, and Tohid Kazemi. "Investigating the Chitinase-3-Like-1 Gene Polymorphism (Rs4950928) with Susceptibility to Allergic Asthma in Iranian Northwestern Azeri Population." (2019).
65. Elieh-Ali-Komi, Sadeghi-Shabestari M, D Shanehbandi, Z Babaloo, A Razavi, and S Sadigh-Eteghad. "Investigating the Chitinase-3-Like-1 Gene Polymorphism (Rs4950928) with Susceptibility to Allergic Asthma in Iranian Northwestern Azeri Population. *Research in Molecular Medicine*. 2019; 7 (4): 17-24." 2010.
66. Esmailzadeh, Sahar, Behzad Mansoori, Ali Mohammadi, Dariush Shanehbandi, and Behzad Baradaran. "Sirna-Mediated Silencing of Hmga2 Induces Apoptosis and Cell Cycle Arrest in Human Colorectal Carcinoma." *Journal of Gastrointestinal Cancer* 48, (2017): 156-163.
67. Ezzati, Maryam, Dariush Shanehbandi, Behzad Bahramzadeh, Kobra Hamdi, and Maryam Pashaiasl. "Investigation of Molecular Cryopreservation, Fertility Potential and Microrna-Mediated Apoptosis in Oligoasthenoteratozoospermia Men." *Cell and Tissue Banking* 22, (2021): 123-135.

68. Ezzati, Maryam, Dariush Shanehbandi, Kobra Hamdi, Sara Rahbar, and Maryam Pashaiasl. "Influence of Cryopreservation on Structure and Function of Mammalian Spermatozoa: An Overview." *Cell and Tissue Banking* 21, no. 1 (2020): 1-15.
69. Fadaee, Manouchehr, Hajar Abbasi, Sepideh Maralbashi, Behzad Baradaran, Dariush Shanehbandi, Masood Faghih Dinevari, and Tohid Kazemi. "Docosahexaenoic Acid May Inhibit Immune Evasion of Colorectal Cancer Cells through Targeting Immune Checkpoint and Immunomodulator Genes and Their Controlling Micrnas." *BioFactors* 48, no. 5 (2022): 1137-1144.
70. Fakhr, Mehrdad Ghavifekr, Kolsoum Rezaie Kahkhaie, Dariush Shanehbandi, Majid Farshdousti Hagh, Habib Zarredar, Elham Safarzadeh, Mina Abdolrahimi Vind, and Behzad Baradaran. "Scrophularia Atropatana Extract Reverses Tp53 Gene Promoter Hypermethylation and Decreases Survivin Antiapoptotic Gene Expression in Breast Cancer Cells." *Asian Pacific Journal of Cancer Prevention: APJCP* 19, no. 9 (2018): 2599.
71. Fallahi, Shirin, Seyede Momeneh Mohammadi, Hamid Tayefi Nasrabadi, Alireza Alihemmati, Naser Samadi, Sanaz Gholami, Dariush Shanehbandi, and Hojjatollah Nozad Charoudeh. "Impact of C-Rel Inhibition of Cord Blood-Derived B-, T-, and Nk Cells." *Journal of Immunotoxicology* 14, no. 1 (2017): 15-22.
72. Farajdokht, Fereshteh, Gisou Mohaddes, Dariush Shanehbandi, Poursan Karimi, and Shirin Babri. "Ghrelin Attenuated Hyperalgesia Induced by Chronic Nitroglycerin: Cgrp and Trpv1 as Targets for Migraine Management." *Cephalalgia* 38, no. 11 (2018): 1716-1730.
73. Fathi, Sepideh, Nazila Jalilzadeh, Mohammad Amini, Dariush Shanehbandi, Behzad Baradaran, Fatemeh Oroojalian, Ahad Mokhtarzadeh, Prashant Kesharwani, and Amirhossein Sahebkar. "Surface Plasmon Resonance-Based Oligonucleotide Biosensor for Salmonella Typhi Detection." *Analytical Biochemistry* 677, (2023): 115250.
74. Ghaffari, Maryam, Dariush Shanehbandi, Solmaz Sarhadi, Mina Hanifeh Ahagh, Mahsa Maleki Moghaddam, Gholamreza Dehghan, Raziieh Ghodsi, and Jafar Ezzati Nazhad Dolatabadi. "Anti-Proliferative and Apoptotic Effect of Tetrahydrobenzo [H] Quinoline on Mcf-7 Human Breast Cancer Cell." *Pharmaceutical Sciences* 28, no. 2 (2021): 304-313.
75. Ghavifekr Fakhr, Mehrdad, Majid Farshdousti Hagh, Dariush Shanehbandi, and Behzad Baradaran. "DNA Methylation Pattern as Important Epigenetic Criterion in Cancer." *Genetics Research International*, (2013).

76. Ghffari, Maryam, Milad Asadi, Dariush Shanehbandi, Soghra Bornehdeli, Mahsa Sadeghzadeh, Haniye Mohammad Reza Khani, and Shahram Ghasemabaglou. "Aberrant Expression of Mir-103, Mir-184, Mir-378, Mir-497 and Mir-506 in Tumor Tissue from Patients with Oral Squamous Cell Carcinoma Regulates the Clinical Picture of the Patients." *Asian Pacific Journal of Cancer Prevention* 21, no. 5 (2020): 1311-1315.
77. Goldar, S, B Baradaran, M Shekari Khaniani, A Azadmehr, SM Derakhshan, A Mohammadi, B Mansoori, V Khaze, D Shanehbandi, and L Mohammadnejad. "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* 62, no. 9 (2016): 83-89.
78. Haghnavaz, Navideh, Faezeh Asghari, Daniel Elieh Ali Komi, Dariush Shanehbandi, Behzad Baradaran, and Tohid Kazemi. "Her2 Positivity May Confer Resistance to Therapy with Paclitaxel in Breast Cancer Cell Lines." *Artificial cells, nanomedicine, and biotechnology* 46, no. 3 (2018): 518-523.
79. Haghnavaz, Navideh, Faezeh Asghari, Najibeh Shekari, Dariush Shanehbandi, Mahsa Javadian, Ali Mohammadi, Bahzad Baradaran, and Tohid Kazemi. "Paclitaxel May Inhibit Epithelial-Mesenchymal Transition Properties of Triple-Negative Breast Cancer Cell Line Via Altering the Expression of Emt-Promoting and-Inhibiting Micrnas." *Middle East Journal of Cancer* 11, no. 1 (2020): 42-49.
80. Haji Fatahaliha, Mostafa, Maryam Hosseini, Sanaz Rasolzadeh, Dariush Shanehbandi, Behzad Baradaran, Farhad Jadidi-Niaragh, and Mehdi Yousefi. "Analysis of Human B Cell Response to Recombinant *Leishmania* Lpg3." *Asian Pacific Journal of Tropical Medicine* 8, no. 8 (2015): 624–629.
81. Hajiasgharzadeh, Khalil, Saeed Sadigh-Eteghad, Behzad Mansoori, Ahad Mokhtarzadeh, Dariush Shanehbandi, Mohammad Amin Doustvandi, Zahra Asadzadeh, and Behzad Baradaran. "Alpha7 Nicotinic Acetylcholine Receptors in Lung Inflammation and Carcinogenesis: Friends or Foes?" *Journal of Cellular Physiology* 234, no. 9 (2019): 14666.
82. Hajiasgharzadeh, Khalil, Mohammad Hossein Somi, Behzad Mansoori, Mohammad Amin Doustvandi, Fatemeh Vahidian, Mohsen Alizadeh, Ahad Mokhtarzadeh, Dariush Shanehbandi, and Behzad Baradaran. "Alpha7 Nicotinic Acetylcholine Receptor Mediates Nicotine-Induced Apoptosis and Cell Cycle Arrest of Hepatocellular Carcinoma Hepg2 Cells." *Advanced Pharmaceutical Bulletin* 10, no. 1 (2020): 65.

83. Hajiasgharzadeh, Khalil, Mohammad Hossein Somi, Behzad Mansoori, Vahid Khaze Shahgoli, Afshin Derakhshani, Ahad Mokhtarzadeh, Dariush Shanehbandi, and Behzad Baradaran. "Small Interfering Rna Targeting Alpha7 Nicotinic Acetylcholine Receptor Sensitizes Hepatocellular Carcinoma Cells to Sorafenib." *Life Sciences* 244, (2020): 117332.
84. Hajiasgharzadeh, Khalil, Mohammad Hossein Somi, Saeed Sadigh-Eteghad, Ahad Mokhtarzadeh, Dariush Shanehbandi, Behzad Mansoori, Ali Mohammadi, Mohammad Amin Doustvandi, and Behzad Baradaran. "The Dual Role of Alpha7 Nicotinic Acetylcholine Receptor in Inflammation-Associated Gastrointestinal Cancers." *Heliyon* 6, no. 3 (2020).
85. Hajiasgharzadeh, Khalil, Mohammad Hossein Somi, Dariush Shanehbandi, Ahad Mokhtarzadeh, and Behzad Baradaran. "Small Interfering Rna–Mediated Gene Suppression as a Therapeutic Intervention in Hepatocellular Carcinoma." *Journal of Cellular Physiology* 234, no. 4 (2019): 3263-3276.
86. Hajipour, Hamed, Hamed Hamishehkar, Mohammad Rahmati-Yamchi, Dariush Shanehbandi, Saeed Nazari Soltan Ahmad, and Akbar Hasani. "Enhanced Anti-Cancer Capability of Ellagic Acid Using Solid Lipid Nanoparticles (SLNs)." *International Journal of Cancer Management* 11, no. 1 (2018).
87. Hajjari, Seyedeh Nazanin, Mehdi Mehdizadeh, Saeed Sadigh-Eteghad, Dariush Shanehbandi, Shahram Teimourian, and Behzad Baradaran. "Secretases-Related Mirnas in Alzheimer’s Disease: New Approach for Biomarker Discovery." *Neurological Sciences* 38, (2017): 1921-1926.
88. Hajjari, Seyedeh Nazanin, Saeed Sadigh-Eteghad, Dariush Shanehbandi, Shahram Teimourian, Ali Shahbazi, and Mehdi Mehdizadeh. "MicroRNA-4422-5p as a Negative Regulator of Amyloidogenic Secretases: A Potential Biomarker for Alzheimer’s Disease." *Neuroscience* 463, (2021): 108-115.
89. Hajjari, Seyedeh Nazanin, Saeed Sadigh-Eteghad, Masoud Mehrpour, Fatemeh Moradi, Dariush Shanehbandi, and Mehdi Mehdizadeh. "Beta-Amyloid-Dependent Mirnas as Circulating Biomarkers in Alzheimer’s Disease: A Preliminary Report." *Journal of Molecular Neuroscience* 70, (2020): 871-877.
90. Hatami, Homeira, Dariush Shanehbandi, Mohammad Shabani, and Reihaneh Sadeghian. "Long-Term Treatment with Buprenorphine Increased Tlr1 Receptor Expression in Methamphetamine Rats' Brainstems." *Journal of Advances in Medical and Biomedical Research* 32, no. 150 (2024): 9-15.

91. Hemmatzadeh, Maryam, Hamed Mohammadi, Farhad Babaie, Mehdi Yousefi, Mehrdad Ebrazehe, Behzad Mansoori, Dariush Shanehbandi, and Behzad Baradaran. "Snail-1 Silencing by Sirna Inhibits Migration of Te-8 Esophageal Cancer Cells through Downregulation of Metastasis-Related Genes." *Advanced Pharmaceutical Bulletin* 8, no. 3 (2018): 437.
92. Hosseini, Nayer, Tahereh Zeinali, Nasrin Hosseini, Leila Karimi, Dariush Shanehbandi, Behzad Mansoori, Ali Mohammadi, Tohid Kazemi, Khalil Hajiasgharzadeh, and Behzad Baradaran. "Restoration of Mirna-143 Expression Inhibits Growth and Migration of Mkn-45 Gastric Cancer Cell Line." *Advanced Pharmaceutical Bulletin* 12, no. 1 (2022): 183.
93. Hosseini, Arezoo, Zohreh Babaloo, Tohid Gharibi, Navid Shomali, Farough Marofi, Vida Hashemi, Hormoz Ayromlou, Milad Asadi, Shima Rahmani, Saeed Noorolyai, Dariush Shanehbandi and Behzad Baradaran. "Epigenetic Mechanisms Shape the Underlying Expression Regulatory Mechanisms of the Stat3 in Multiple Sclerosis." *BMC Research Notes* 13, (2020): 1-6.
94. Hosseini, Arezoo, Tohid Gharibi, Adel Mohammadzadeh, Abbas Ebrahimi-Kalan, Farhad Jadidi-Niaragh, Zohreh Babaloo, Dariush Shanehbandi, Elham Baghbani, and Behzad Baradaran. "Ruxolitinib Attenuates Experimental Autoimmune Encephalomyelitis (Eae) Development as Animal Models of Multiple Sclerosis (Ms)." *Life Sciences* 276, (2021): 119395.
95. Hosseini, Arezoo, Dariush Shanehbandi, Mehrdad Asghari Estiar, Saber Gholizadeh, Alireza Khabbazi, Hamidreza Khodadadi, Ebrahim Sakhinia, and Zohreh Babaloo. "A Single Nucleotide Polymorphism in the Foxp3 Gene Associated with Behçet's Disease in an Iranian Population." *Clin. Lab.*, (2015).
96. Hosseini, Behnaz-Alsadat, Ardalan Pasdaran, Tohid Kazemi, Dariush Shanehbandi, Hadi Karami, Mona Orangi, and Behzad Baradaran. "Dichloromethane Fractions of *Scrophularia Oxyssepala* Extract Induce Apoptosis in MCF-7 Human Breast Cancer Cells." *Bosnian journal of basic medical sciences* 15, no. 1 (2015): 26.
97. Hosseini, Farough, Dariush Shanehbandi, Jafar Soleimanpour, Bahman Yousefi, and Farough Alemi. "Melatonin Increases the Sensitivity of Osteosarcoma Cells to Chemotherapy Drug Cisplatin." *Drug Research* 72, no. 06 (2022): 312-318.

98. Isazadeh, Alireza, Saba Hajazimian, Behrouz Shadman, Sahar Safaei, Ahmad Babazadeh Bedoustani, Reza Chavoshi, Dariush Shanehbandi, Mohammadreza Mashayekhi, Mohammadreza Nahaei, and Behzad Baradaran. "Anti-Cancer Effects of Probiotic *Lactobacillus Acidophilus* for Colorectal Cancer Cell Line Caco-2 through Apoptosis Induction." *Pharmaceutical Sciences* 27, no. 2 (2020): 262-267.
99. Islamian, Jalil Pirayesh, Mohsen Mohammadi, Behzad Baradaran, Alireza Farajollahi, Seyed Mahmoud Reza Aghamiri, Mohammad Asghari Jafarabadi, Hadi Karami, Amir Monfaredan, and Dariush Shanehbandi. "Enhancing Radiosensitivity of Te1, Te8, and Te 11 Esophageal Squamous Carcinoma Cell Lines by Hdm2-Sirna Targeted Gene Therapy in Vitro." *BioImpacts: BI* 6, no. 2 (2016): 93.
100. Jabbari-Moghaddam, Yalda, Dariush Shanehbandi, Milad Asadi, Saiedeh Razi-Soofiyani, and Vahideh Hateftabar. "Evaluation of Expression Levels of MicroRNA Processing Elements in Patients with Sudden Sensorineural Hearing Loss." *Egyptian Journal of Medical Human Genetics* 25, no. 1 (2024): 29.
101. Jadid, Mahdieh Farhoudi Sefidan, Elnaz Aghaei, Elham Taheri, Nasrin Seyyedsani, Reza Chavoshi, Samane Abbasi, Afshin Khorrami, Pouya Goleij, Saba Hajazimian, Sina Taefehshokr, , Alireza Isazadeh and Dariush Shanehbandi. "Melatonin Increases the Anticancer Potential of Doxorubicin in Caco-2 Colorectal Cancer Cells." *Environmental Toxicology* 36, no. 6 (2021): 1061-1069.
102. Jafari, Hadis, Mahmoud Mahami-Oskouei, Adel Spotin, Behzad Baradaran, Dariush Shanehbandi, Amir Baghbanzadeh, and Zahra Alizadeh. "MicroRNA-1 Inhibits the Growth of Breast Cancer Cells Mda-Mb-231 and Mcf-7 Treated with Hydatid Cyst Fluid." *Journal of Tropical Medicine* 2024, no. 1 (2024): 7474039.
103. Jafari, Reza, Naime Majidi Zolbanin, Jafar Majidi, Fatemeh Atyabi, Mehdi Yousefi, Farhad Jadidi-Niaragh, Leili Aghehati-Maleki, Dariush Shanehbandi, Mohammad-Sadegh Soltani Zangbar, and Houshang Rafatpanah. "Anti-Mucin1 Aptamer-Conjugated Chitosan Nanoparticles for Targeted Co-Delivery of Docetaxel and Igf-1r Sirna to Skbr3 Metastatic Breast Cancer Cells." *Iranian Biomedical Journal* 23, no. 1 (2019): 21.
104. Jafarlou, M, B Baradaran, TA Saedi, V Jafarlou, D Shanehbandi, M Maralani, and F Othman. "An Overview of the History, Applications, Advantages, Disadvantages and Prospects of Gene Therapy." *J Biol Regul Homeost Agents* 30, no. 2 (2016): 315-21.
105. Jafarlou, M, B Baradaran, D Shanehbandi, TA Saedi, V Jafarlou, P Karimi, and F Othman. "Silencing of Myeloid Cell Leukemia-1 by Small Interfering Rna Improves

Chemosensitivity to Etoposide in U-937 Leukemic Cells." *J Biol Regul Homeost Agents* 30, no. 1 (2016): 55-65.

106. Jafarlou, Mahdi, Behzad Baradaran, Dariush Shanehbandi, and et. al. "Sirna-Mediated Inhibition of Survivin Gene Enhances the Anti-Cancer Effect of Etoposide in U-937 Acute Myeloid Leukemia Cells." *Cellular and Molecular Biology* 62, no. 6 (2016): 44-49.
107. Jafarlou, Mahdi, Dariush Shanehbandi, Parvin Dehghan, Behzad Mansoori, F Othman, and Behzad Baradaran. "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* 46, no. 8 (2018): 1792-1798.
108. Jafarlou, Vahid, Farzad Kakaei, Behzad Baradaran, Dariush Shanehbandi, and Narges Afsar. "The Levels of Telomerase Gene Expression in Gastric Lavage Fluid."
109. Jahanfar, Farhad, Akbar Hasani, Dariush Shanehbandi, Mohammad Rahmati, and Hamed Hamishehkar. "Enhanced in Vitro Anti-Tumor Activity of 5-Azacytidine by Entrapment into Solid Lipid Nanoparticles." *Advanced Pharmaceutical Bulletin* 6, no. 3 (2016): 367.
110. Javadian, Mahsa, Najibeh Shekari, Mohammad S Soltani-Zangbar, Ali Mohammadi, Behzad Mansoori, Sepideh Maralbashi, Dariush Shanehbandi, Behzad Baradaran, Masood Darabi, and Tohid Kazemi. "Docosahexaenoic Acid Suppresses Migration of Triple-Negative Breast Cancer Cell through Targeting Metastasis-Related Genes and Microrna under Normoxic and Hypoxic Conditions." *Journal of cellular biochemistry* 121, no. 3 (2020): 2416-2427.
111. Kachalaki, Saeed, Behzad Baradaran, Jafar Majidi, Mehdi Yousefi, Dariush Shanehbandi, Sina Mohammadinejad, and Behzad Mansoori. "Reversal of Chemoresistance with Small Interference Rna (Sirna) in Etoposide Resistant Acute Myeloid Leukemia Cells (HL-60)." *Biomedicine & Pharmacotherapy* 75, (2015): 100-104.
112. Kamran, Shiva, Ensiyeh Seyedrezazadeh, Dariush Shanehbandi, Milad Asadi, Venus Zafari, Najibeh Shekari, Leila Namvar, and Habib Zarredar. "Combination Therapy with Kras and P38 α Sirna Suppresses Colorectal Cancer Growth and Development in Sw480 Cell Line." *Journal of Gastrointestinal Cancer*, (2021): 1-8.

113. Karami Fath, Mohsen, Jalil Azami, Niloofar Jaafari, Mahsa Akbari Oryani, Nafiseh Jafari, Alireza Karim Poor, Ali Azargoonjahromi, Mohsen Nabi-Afjadi, Zahra Payandeh, Hamidreza Zalpoor and Dariush Shanehbandi. "Exosome Application in Treatment and Diagnosis of B-Cell Disorders: Leukemias, Multiple Sclerosis, and Arthritis Rheumatoid." *Cellular & Molecular Biology Letters* 27, no. 1 (2022): 74.
114. Karimi, Leila, Behzad Mansoori, Dariush Shanehbandi, Ali Mohammadi, Mahyar Aghapour, and Behzad Baradaran. "Function of Microrna-143 in Different Signal Pathways in Cancer: New Insights into Cancer Therapy." *Biomedicine & Pharmacotherapy* 91, (2017): 121-131.
115. Karimi, Leila, Tahereh Zeinali, Nayer Hosseinahli, Behzad Mansoori, Ali Mohammadi, Mehdi Yousefi, Milad Asadi, Sanam Sadreddini, Behzad Baradaran, and Dariush Shanehbandi. "Mirna-143 Replacement Therapy Harnesses the Proliferation and Migration of Colorectal Cancer Cells in Vitro." *Journal of Cellular Physiology* 234, no. 11 (2019): 21359-21368.
116. Khajeh, Masoumeh, Mohammad Nouri, Aalie Ghasemzadeh, Amir Mehdizadeh, Dariush Shanehbandi, Soudabe Yousefi, Masoud Darabi, and Reza Rahbarghazi. "Arachidonic Acid Alleviates the Detrimental Effects of Acetylsalicylic Acid on Human Granulosa Cells Performance in Vitro." *Molecular reproduction and development* 87, no. 5 (2020): 607-619.
117. Khajouee, Shima, Elham Baghbani, Ali Mohammadi, Behzad Mansoori, Dariush Shanehbandi, Khalil Hajiasgharzadeh, and Behzad Baradaran. "Downregulation of Hmga2 by Small Interfering Rna Affects the Survival, Migration, and Apoptosis of Prostate Cancer Cell Line." *Advanced Pharmaceutical Bulletin* 12, no. 2 (2022): 398.
118. Kheirouri, Sorayya, Dariush Shanehbandi, Monireh Khordadmehr, Mohammad Alizadeh, Fateme Eskandari Vaezi, Razieh Musapour Sultan Abad, and Mehran Mesgari-Abbasi. "Effects of Sulfur Dioxide, Ozone, and Ambient Air Pollution on Lung Histopathology, Oxidative-Stress Biomarkers, and Apoptosis-Related Gene Expressions in Rats." *Experimental Lung Research* 48, no. 3 (2022): 137-148.
119. Kheirouri, Sorayya, Dariush Shanehbandi, Monireh Khordadmehr, Mohammad Alizadeh, Fateme Eskandari Vaezi, Azin Behrouzi Kahlan, Sara Abedi, and Mehran Mesgari Abbasi. "Effects of Air Pollution, Ozone, and Sulfur Dioxide on Kidney Oxidative-Stress Enzymes, Histopathology, and Apoptosis Gene Expressions in Rats." (2020).
120. Khodarahmi, Mahdieh, Goli Siri, Farnoosh Erahimzadeh, Mahdieh Abbasalizad Farhangi, and Dariush Shanehbandi. "Dietary Glycemic Index and Glycemic Load

- Mediate the Effect of Cartpt Rs2239670 Gene Polymorphism on Metabolic Syndrome and Metabolic Risk Factors among Adults with Obesity." *BMC Endocrine Disorders* 22, no. 1 (2022): 288.
121. Khordadmehr, Monireh, Roya Shahbazi, Behzad Baradaran, Sanam Sadreddini, Dariush Shanehbandi, and Khalil Hajiasgharzadeh. "Restoring of Mir-193a-5p Sensitizes Breast Cancer Cells to Paclitaxel through P53 Pathway." *Advanced Pharmaceutical Bulletin* 10, no. 4 (2020): 595.
 122. Khordadmehr, Monireh, Roya Shahbazi, Behzad Baradaran, Sanam Sadreddini, Dariush Shanehbandi, Khalil Hajiasgharzadeh, and Masoumeh Firouzamandi. "Mir-193a-5p Replacement Can Alter Metastasis Gene Expression in Breast Adenocarcinoma Cells in Vitro." *Pharmaceutical Sciences* 26, no. 4 (2020): 448-453.
 123. Komi, Daniel Elieh Ali, Najibeh Shekari, Parvaneh Soofian-Kordkandi, Mahsa Javadian, Dariush Shanehbandi, Behzad Baradaran, and Tohid Kazemi. "Docosaehexaenoic Acid (Dha) and Linoleic Acid (La) Modulate the Expression of Breast Cancer Involved Mirnas in Mda-Mb-231 Cell Line." *Clinical Nutrition ESPEN* 46, (2021): 477-483.
 124. Leylabadlo, Hamed Ebrahimzadeh, Hossein Samadi Kafil, Safar Farajnia, Dariush Shanehbandi, Seyed Yaghoub Moaddab, Mohammad Mehdi Feizabadi, and Reza Ghotaslou. "Gut Microbiota in Nonalcoholic Fatty Liver Diseases with and without Type-2 Diabetes Mellitus." *European Journal of Gastroenterology & Hepatology* 33, no. 1S (2021): e548-e554.
 125. Lotfinejad, Parisa, Tohid Kazemi, Ahad Mokhtarzadeh, Dariush Shanehbandi, Farhad Jadidi Niaragh, Sahar Safaei, Milad Asadi, and Behzad Baradaran. "Pd-1/Pd-L1 Axis Importance and Tumor Microenvironment Immune Cells." *Life Sciences* 259, (2020): 118297.
 126. Mahmoudi, Fariba, Behzad Baradaran, Alireza Dehnad, Dariush Shanehbandi, Leila Mohamed Khosroshahi, and Mahyar Aghapour. "The Immunomodulatory Activity of Secondary Metabolites Isolated from *Streptomyces Calvus* on Human Peripheral Blood Mononuclear Cells." *British Journal of Biomedical Science* 73, no. 3 (2016): 97-103.
 127. Majidzadeh, Hossein, Mostafa Araj-Khodaei, Maryam Ghaffari, Amir Jafari, Dariush Shanehbandi, Mohammadali Torbati, and Jafar Ezzati Nazhad Dolatabadi. "The Combination of Berberine and Methotrexate Enhances Anti-Cancer Effects in Hela Cancer Cell Line: A Morphological Study." *Pharmaceutical Sciences* 27, no. 4 (2021): 536-542.

128. Maleki, Leili Aghebati, Behzad Baradaran, Dariush Shanehbandi, Jafar Majidi, and Mehdi Yousefi. "Anti-Proliferative and Apoptotic Effects of Novel Anti-Ror1 Single Chain." *Iranian Journal of Allergy, Asthma & Immunology* 17, (2018).
129. Maleki, Leili Aghebati, Dariush Shanehbandi, Jafar Majidi, Mehdi Yusefi, Jalal Abdolalizadeh, Mona Orangi, and Behzad Baradaran. "Production of Anti-Cd14 Monoclonal Antibody Using Synthetic Peptide of Human Cd14 as Immunizing Antigen." *Human Antibodies* 22, no. 3-4 (2013): 67-71.
130. Maleki, Reza Aghebati, Dariush Shanehbandi, Saeed Sadigh Eteghad, Habib Zarredar, Fatemeh Zare Shahneh, Leili Aghebati Maleki, Mehrnosh Samavati, Hamed Asadi, Seyed Ehsan Mosavi, and Afshin Habibzadeh. "Effects of Some Natural Immunomodulatory Compounds in Combination with Thalidomide on Survival Rate and Tumor Size in Fibrosarcoma-Bearing Mice." *Advanced Pharmaceutical Bulletin* 4, no. Suppl 1 (2014): 465.
131. Mansoori, Behzad, Pascal HG Duijf, Ali Mohammadi, Souzan Najafi, Elmira Roshani, Dariush Shanehbandi, Khalil Hajiasgharzadeh, Solmaz Shirjang, Henrik J Ditzel, and Tohid Kazemi. "Overexpression of Hmga2 in Breast Cancer Promotes Cell Proliferation, Migration, Invasion and Stemness." *Expert Opinion on Therapeutic Targets* 24, no. 3 (2020): 255-265.
132. Mansoori, Behzad, Ali Mohammadi, Samira Goldar, Dariush Shanehbandi, Leila Mohammadnejad, Elham Baghbani, Tohid Kazemi, Saeed Kachalaki, and Behzad Baradaran. "Silencing of High Mobility Group Isoform Ic (Hmgi-C) Enhances Paclitaxel Chemosensitivity in Breast Adenocarcinoma Cells (Mda-Mb-468)." *Advanced Pharmaceutical Bulletin* 6, no. 2 (2016): 171.
133. Mansoori, Behzad, Ali Mohammadi, Sanaz Naghizadeh, Morten Gjerstorff, Dariush Shanehbandi, Solmaz Shirjang, Souzan Najafi, Uffe Holmskov, Vahid Khaze, and Pascal HG Duijf. "Mir-330 Suppresses Emt and Induces Apoptosis by Downregulating Hmga2 in Human Colorectal Cancer." *Journal of Cellular Physiology* 235, no. 2 (2020): 920-931.
134. Mansoori, Behzad, Nicola Silvestris, Ali Mohammadi, Vahid Khaze, Elham Baghbani, Ahad Mokhtarzadeh, Dariush Shanehbandi, Afshin Derakhshani, Pascal HG Duijf, and Behzad Baradaran. "Mir-34a and Mir-200c Have an Additive Tumor-Suppressive Effect on Breast Cancer Cells and Patient Prognosis." *Genes* 12, no. 2 (2021): 267.

135. Maralani, Mahafarin, Dariush Shanehbandi, Milad Asadi, Shahriar Hashemzadeh, Khalil Hajiasgharzadeh, Hossein Mashhadi Abdolahi, Behzad Baradaran, and Marc Peeters. "Expression Profiles of Mir-196, Mir-132, Mir-146a, and Mir-134 in Human Colorectal Cancer Tissues in Accordance with Their Clinical Significance: Comparison Regarding Kras Mutation." *Wiener klinische Wochenschrift* 133, no. 21 (2021): 1162-1170.
136. Mardomi, A, M Sabzichi, M Hussein Somi, D Shanehbandi, R Rahbarghazi, O Taj Sanjarani, and N Samadi. "Trafficking Mechanism of Bone Marrow-Derived Mesenchymal Stem Cells toward Hepatocellular Carcinoma Hepg2 Cells by Modulating Endoglin, Cxcr4 and Tgf- β ." *Cellular and Molecular Biology* 62, no. 11 (2016): 81-86.
137. Mardomi, Alireza, Mohammad Nouri, Laya Farzadi, Nosratollah Zarghami, Amir Mehdizadeh, Mehdi Yousefi, Dariush Shanehbandi, Maghsod Shaaker, and Masoud Darabi. "Human Charcoal-Stripped Serum Supplementation Enhances Both the Stearoyl-Coenzyme a Desaturase 1 Activity of Cumulus Cells and the in Vitro Maturation of Oocytes." *Human Fertility* 22, no. 3 (2019): 212-218.
138. Mashayekhi, Mahsa, Milad Asadi, Shahriar Hashemzadeh, Amir Vahedi, Dariush Shanehbandi, Ahmad Faris Al-Omar, Morteza Akbari, and Mortaza Raesi. "Promoter Methylation Levels of Rassf1 and Atic Genes Are Associated with Lung Cancer in Iranian Patients." *Hormone Molecular Biology and Clinical Investigation* 44, no. 2 (2023): 145-152.
139. Mazloumi, Zeinab, Ali Rafat, Khadijeh Dizaji Asl, Mohammad Karimipour, Dariush Shanehbandi, Mehdi Talebi, Majid Montazer, Ali Akbar Movassaghpour, Alireza Dehnad, and Raheleh Farahzadi. "Telomerase and Mitochondria Inhibition Promote Apoptosis and Tet2 and Anmt3a Expression in Triple Negative Breast Cancer Cell Lines." *cancer* 22, (2024): 23.
140. Mirzamohammadi, Zahra, Behzad Baradaran, Dariush Shanehbandi, Rana Keyhanmanesh, Amir Ali Shahbazfar, and Laleh Pejman. "Thymoquinone, the Main Constituent of Nigella Sativa, Could Impact on Adenosine A2 Receptors in Ovalbumin-Sensitized Guinea Pigs." *Kafkas Univ Vet Fak Derg*, (2016).
141. Mohammadi, A, B Mansoori, S Goldar, D Shanehbandi, L Mohammadnejad, E Baghbani, and B Baradaran. "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* 62, no. 2 (2016): 62-67.
142. Mohammadi, Mahnaz, Adel Spotin, Mahmoud Mahami-Oskouei, Dariush Shanehbandi, Ehsan Ahmadpour, Adriano Casulli, Ali Rostami, Amir Baghbanzadeh, and Milad Asadi.

- "MicroRNA-365 Promotes Apoptosis in Human Melanoma Cell A375 Treated with Hydatid Cyst Fluid of Echinococcus Granulosus Sensu Stricto." *Microbial Pathogenesis* 153, (2021): 104804.
143. Mohammadian, Jamal, Mehdi Sabzichi, Ommoleila Molavi, Dariush Shanehbandi, and Naser Samadi. "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* 17, no. 11 (2016): 5031-5035.
 144. Mohammadnejad, Leila, Behzad Baradaran, Dariush Shanehbandi, Mohammad Pourhassan Moghaddam, and Sanam Sadreddini. "Cloning and Expression of Human L-Asparaginase and Study of Its Anti Growth Effect on Leukemia Cell Lines." *Frontiers in Immunology*: 192.
 145. Mohammadnejad, Leila, Behzad Baradaran, Dariush Shanehbandi, Mohammad Pourhassan Moghaddam, and Sanam Sadreddini. "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.*: Front. Immunol., 2013.
 146. Mohammadrezakhani, Haniye, Behzad Baradaran, Dariush Shanehbandi, Milad Asadi, Shahriar Hashemzadeh, Khalil Hajiasgharzadeh, and Reza Safaralizadeh. "Overexpression and Clinicopathological Correlation of Long Noncoding Rna Tmpo-As1 in Colorectal Cancer Patients." *Journal of Gastrointestinal Cancer* 51, (2020): 952-956.
 147. Mohammadzadeh-Aghdash, Hossein, Yousef Sohrabi, Ali Mohammadi, Dariush Shanehbandi, Parvin Dehghan, and Jafar Ezzati Nazhad Dolatabadi. "Safety Assessment of Sodium Acetate, Sodium Diacetate and Potassium Sorbate Food Additives." *Food chemistry* 257, (2018): 211-215.
 148. Mohseniazar, Mahdi, Mohsen Barin, Habib Zarredar, Siamak Alizadeh, and Dariush Shanehbandi. "Potential of Microalgae and Lactobacilli in Biosynthesis of Silver Nanoparticles." *BioImpacts: BI* 1, no. 3 (2011): 149.
 149. Montazami, N, M Kheir Andish, J Majidi, M Yousefi, B Yousefi, L Mohamadnejad, D Shanehbandi, M.A. Estiar, V Khaze, and B Mansoori. "Sirna-Mediated Silencing of Mdr1 Reverses the Resistance to Oxaliplatin in Sw480/Oxr Colon Cancer Cells." *Cellular and Molecular Biology* 61, no. 2 (2015): 98-103.

150. Mosajakhah, Hosein, Dariush Shanehbandi, Ehsan Ahmadpour, Mahmoud Mahami-Oskouei, Khadijeh Sadeghi Janghoor, and Adel Spotin. "MicroRNA-145 Enhances Lung Cancer Cell Progression after Exposure to Lyophilized Fertile Hydatid Cyst Fluid of *Echinococcus Granulosus Sensus Stricto*." *bioRxiv*, (2024): 2024.01.26.577517.
151. Mostofi, Shabnam, Dariush Shanehbandi, Seyyed Ali Rahmani, and Milad Asadi. "Anti-Migratory Effect of Curcumin on a-549 Lung Cancer Cells Via Epigenetic Reprogramming of Reck/Matrix Metalloproteinase Axis." *Hormone Molecular Biology and Clinical Investigation* 43, no. 4 (2022): 455-461.
152. Musavi-Shenas, Seyed-Mohammad-Hosseini, Behzad Mansoori, Ali Mohammadi, Shima Salehi, Behzad Kaffash, Behnaz Talebi, Zohreh Babaloo, Dariush Shanehbandi, and Behzad Baradaran. "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).
153. Naghizadeh, Mahsa, Behzad Baradaran, Maryam Saghafi-Asl, Parichehr Amiri, Dariush Shanehbandi, Nahid Karamzad, and Leila Mohamed-Khosroshahi. "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* 55, (2018): 11-20.
154. Naseri, Amirreza, Nasrin Forghani, Saeed Sadigh-Eteghad, Dariush Shanehbandi, Milad Asadi, Ehsan Nasiri, and Mahnaz Talebi. "Circulatory Antioxidant and Oxidative Stress Markers Are in Correlation with Demographics but Not Cognitive Functions in Multiple Sclerosis Patients." *Multiple Sclerosis and Related Disorders* 57, (2022): 103432.
155. Naseri, Bahar, Javad Masoumi, Samin Abdolzadeh, Saba Abedimanesh, Elham Baghbani, Amirhossein Hatami-Sadr, Javad Ahmadian Heris, Dariush Shanehbandi, Morteza Akbari, and Somayeh Vaysi. "Dopamine Receptor Agonist Cabergoline Promotes Immunogenic Phenotype in Human Monocyte-Derived Dendritic Cells." *Cell Biochemistry and Function* 42, no. 4 (2024): e4067.
156. Nasiri, Hadi, Mahya Ahmadpour Youshanlui, Zahra Valedkarimi, Javad Ahmadian Heris, Ahad Mokhtarzadeh, Dariush Shanehbandi, Hanieh Ahmadi, Ali Jafarizadeh, and Behzad Baradaran. "Impact of Chemotherapeutic Agents on Pd-L1, Ctl-4, and Vista Gene Expression in Cervical Cancer Cell Lines: An in Vitro Study." *Indian Journal of Gynecologic Oncology* 22, no. 2 (2024): 65.
157. Nazarpour-Noshadi, Mehran, Jafar Ezzati Nazhad Dolatabadi, Yahya Rasoulzadeh, Yousef Mohammadian, and Dariush Shanehbandi. "Apoptosis and DNA Damage

Induced by Silica Nanoparticles and Formaldehyde in Human Lung Epithelial Cells." *Environmental Science and Pollution Research* 27, (2020): 18592-18601.

158. Nikpou, Parisa, Daryoush Mohammad Nejad, Hajar Shafaei, Leila Roshangar, Nasser Samadi, Amir Mohammad Navali, Ali Reza Sadegpour, Dariush Shanehbandi, and Jafar Soleimani Rad. "Study of Chondrogenic Potential of Stem Cells in Co-Culture with Chondrons." *Iranian journal of basic medical sciences* 19, no. 6 (2016): 638.
159. Noorolyai, Saeed, Elham Baghbani, Leili Aghebati Maleki, Amir Baghbanzadeh Kojabad, Dariush Shanehbandi, Vahid Khaze Shahgoli, Ahad Mokhtarzadeh, and Behzad Baradaran. "Restoration of Mir-193a-5p and Mir-146 a-5p Expression Induces G1 Arrest in Colorectal Cancer through Targeting of Mdm2/P53." *Advanced Pharmaceutical Bulletin* 10, no. 1 (2020): 130.
160. Noorolyai, Saeed, Elham Baghbani, Dariush Shanehbandi, Vahid Khaze Shahgoli, Amir Baghbanzadeh Kojabad, Behzad Mansoori, Khalil Hajiasgharzadeh, Ahad Mokhtarzadeh, and Behzad Baradaran. "Mir-146a-5p and Mir-193a-5p Synergistically Inhibited the Proliferation of Human Colorectal Cancer Cells (Ht-29 Cell Line) through Erk Signaling Pathway." *Advanced Pharmaceutical Bulletin* 11, no. 4 (2021): 755.
161. Oladghaffari, Maryam, Jalil Pirayesh Islamian, Behzad Baradaran, Ali Shabestani Monfared, Alireza Farajollahi, Dariush Shanehbandi, and Mohsen Mohammadi. "High Efficiency Apoptosis Induction in Breast Cancer Cell Lines by Mln4924/2dg Co-Treatment." *Asian Pacific Journal of Cancer Prevention* 16, no. 13 (2015): 5471-5476.
162. Oladghaffari, Maryam, Ali Shabestani Monfared, Alireza Farajollahi, Behzad Baradaran, Mohsen Mohammadi, Dariush Shanehbandi, Mohammad Asghari Jafar Abadi, Pirayesh Islamian, and Jalil. "Mln4924 and 2dg Combined Treatment Enhances the Efficiency of Radiotherapy in the Breast Cancer Cells." *International Journal of Radiation Biology*, (2017).
163. Oliyaierezaie, Amir, Habib Zarredar, Milad Asadi, Venus Zafari, Dariush Shanehbandi, Zahra Soleimani, Mohammad-Reza Firoozi, and Shahram Gasembeglo. "Evaluation of Potential Mir-302, Mir-132, Mir-205, and Mir-126 as Biomarkers for Laryngeal Squamous Cell Carcinoma." *International Journal of Cancer Management* 16, no. 1 (2023).
164. Orangi, Mona, Ardalan Pasdaran, Dariush Shanehbandi, Tohid Kazemi, Bahman Yousefi, Behnaz-Alsadat Hosseini, and Behzad Baradaran. "Cytotoxic and Apoptotic Activities of Methanolic Subfractions of *Scrophularia Oxypsepala* against Human Breast

Cancer Cell Line." Evidence-Based Complementary and Alternative Medicine 2016, no. 1 (2016): 8540640.

165. Pashapour, Shadi, Dariush Shanehbandi, Soghra Bornehdeli, Venus Zafari, Haniye Mohammad Reza Khani, Shahriyar Hashemzadeh, and Touraj Asvadi Kermani. "Overexpression of Hotair in Tumor Tissues of Patients with Colon Cancer Correlates with Tumor Metastasis and Differentiation." *Middle East Journal of Cancer* 11, no. 4 (2020): 410-414.
166. Porvahdani, Shiva, Behzad Baradaran, Mahdi Talebi, Sina Khodakarimi, Hannaneh Bakhshi Miyandoab, Tohid Kazemi, Dariush Shanehbandi, Zohre Yaaghoubi, and Ali Akbar Movassaghpour Akbari. "Stats Inhibitors in Cancer Therapy Strategies." *interferon* 1, (2022): 2.
167. Pourradi, Nasibeh Mohammad Ali, Hossein Babaei, Hamed Hamishehkar, Behzad Baradaran, Behrooz Shokouhi-Gogani, Dariush Shanehbandi, Marjan Ghorbani, and Yadollah Azarmi. "Targeted Delivery of Doxorubicin by Thermo/Ph-Responsive Magnetic Nanoparticles in a Rat Model of Breast Cancer." *Toxicology and Applied Pharmacology* 446, (2022): 116036.
168. Poursaei, Elham, Mahsa Abolghasemi, Soghra Bornehdeli, Dariush Shanehbandi, Milad Asadi, Mahsa Sadeghzadeh, Dara Rahmanpour, and Reza Naghdi Sadeh. "Evaluation of Hsa-Let-7d-5p, Hsa-Let-7g-5p and Hsa-Mir-15b-5p Plasma Levels in Patients with Alzheimer's Disease." *Psychiatric Genetics* 32, no. 1 (2022): 25-29.
169. Rafat, Ali, Khadijeh Dizaji Asl, Zeinab Mazloumi, Ali Akbar Movassaghpour, Mehdi Talebi, Dariush Shanehbandi, Raheleh Farahzadi, Babak Nejati, and Hojjatollah Nozad Charoudeh. "Telomerase Inhibition on Acute Myeloid Leukemia Stem Cell Induced Apoptosis with Both Intrinsic and Extrinsic Pathways." *Life Sciences* 295, (2022): 120402.
170. Rahmani, Shima, Saeed Noorolyai, Hormoz Ayromlou, Vahid Khaze Shahgoli, Dariush Shanehbandi, Elham Baghbani, Mahdi Abdoli Shadbad, Farinaz Jigari-Asl, Mahsa Khamiriyani, and Reza Safaralizadeh. "The Expression Analyses of Rmrp, Ddx5, and Rorc in Rrms Patients Treated with Different Drugs Versus Naïve Patients and Healthy Controls." *Gene* 769, (2021): 145236.

171. Rahmanpour, Dara, Hamid Fayaaz, Dariush Shanehbandi, Soghra Bornehdeli, Milad Jabeti, Habib Zarredar, and Anita Zarrintan. "MicroRNA-26a Confers a Potential Biomarker for Screening of Deep Vein Thrombosis." *Gene Reports* 27, (2022): 101630.
172. Rajabi, Akbar, Reza Dehghanzadeh, Davoud Farajzadeh, Hassan Aslani, Mohammad Mosaferi, Dariush Shanehbandi, and Farzaneh Baghal Asghari. "Application of Ozone Disinfection for Removal of Antibiotic-Resistant *Pseudomonas Aeruginosa*, *Acinetobacter Baumannii*, *Escherichiacoli* and Elimination of Resistance Genes from Municipal Wwtp Effluent." Dariush and Baghal Asghari, Farzaneh, Application of Ozone Disinfection for Removal of Antibiotic-Resistant *Pseudomonas Aeruginosa*, *Acinetobacter Baumannii*, *Escherichiacoli* and Elimination of Resistance Genes from Municipal Wwtp Effluent, (2022).
173. Rajabi, Akbar, Davoud Farajzadeh, Reza Dehghanzadeh, Hassan Aslani, Mohammad Mosaferi, Saeid Mousavi, Dariush Shanehbandi, and Farzaneh Baghal Asghari. "Optimizing Ozone Dose and Contact Time for Removal of Antibiotic-Resistant *P. Aeruginosa*, *A. Baumannii*, *E. Coli*, and Associated Resistant Genes in Effluent of an Activated Sludge Process in a Municipal Wwtp." *Environmental Science and Pollution Research* 30, no. 19 (2023): 55569-55581.
174. Razi Soofiyan, Saiedeh, Tohid Kazemi, Farzaneh Lotfipour, Akbar Mohammad hosseini, Dariush Shanehbandi, Somayeh Hallaj-Nezhadi, and Behzad Baradaran. "Gene Therapy with IL-12 Induced Enhanced Anti-Tumor Activity in Fibrosarcoma Mouse Model." *Artificial cells, nanomedicine, and biotechnology* 44, no. 8 (2016): 1988-1993.
175. Roshani, Shima, Hana Azizikhoshshirat, Milad Asadi, Saeed Sadigh-Eteghad, and Dariush Shanehbandi. "Mir-9 and Mir-218 Modulate $\alpha 7$ Nicotinic Acetylcholine Receptors Levels Via Targeting of Ric-3 Chaperone." (2022).
176. Sadat-Ebrahimi, Seyyed-Reza, Naser Aslanabadi, Milad Asadi, Venus Zafari, Dariush Shanehbandi, Habib Zarredar, Elgar Enamzadeh, Hamed Taghizadeh, and Reza Badalzadeh. "Diagnostic and Prognostic Value of Selected MicroRNAs in Patients with Acute Heart Failure." (2020).
177. Sadat-Ebrahimi, Seyyed-Reza, Aysa Rezaabakhsh, Naser Aslanabadi, Milad Asadi, Venus Zafari, Dariush Shanehbandi, Habib Zarredar, Elgar Enamzadeh, Hamed Taghizadeh, and Reza Badalzadeh. "Novel Diagnostic Potential of Mir-1 in Patients with Acute Heart Failure." *PLoS One* 17, no. 9 (2022): e0275019.
178. Sadeghi-shabestrai, Mahnaz, Daniel Elieh Ali Komi, Dariush Shanehbandi, Zohreh Babaloo, Alireza Razavai, Saeed Sadigh-Eteghad, and Tohid Kazemi. "Investigation of

Fcr13 Gene Polymorphism (Rs7528684) with Susceptibility to Allergic Asthma." Iranian Journal of Allergy, Asthma & Immunology 17, (2018).

179. Sadeghiyeh, Navaz, Nasser Sehati, Behzad Mansoori, Ali Mohammadi, Dariush Shanehbandi, Vahid Khaze, and Behzad Baradaran. "MicroRNA-145 Replacement Effect on Growth and Migration Inhibition in Lung Cancer Cell Line." *Biomedicine & Pharmacotherapy* 111, (2019): 460-467.
180. Sadeghzadeh, Mahsa, Milad Asadi, Behzad Baradaran, Venus Zafari, Soghra Bornehdeli, Haniye Mohammad Reza Khani, Habib Zarredar, Dariush Shanehbandi, and Behzad Mansoori. "Restoring Mir-145 Overcome Oxaliplatin Resistance by Targeting the Abcc1 Gene and Re-Establishing Drug-Induced Anti-Cancer Effects in Colorectal Cancer." (2022).
181. Sadeghzadeh, Mahsa, Soghra Bornehdeli, Haniye Mohahammadrezakhani, Mahsa Abolghasemi, Elham Poursaei, Milad Asadi, Venus Zafari, Leili Aghebati-Maleki, and Dariush Shanehbandi. "Dendritic Cell Therapy in Cancer Treatment; the State-of-the-Art." *Life Sciences* 254, (2020): 117580.
182. Sadigh-Eteghad, S, M Talebi, J Mahmoudi, S Babri, and D Shanehbandi. "Selective Activation of $\alpha 7$ Nicotinic Acetylcholine Receptor by Pha-543613 Improves A β 25–35-Mediated Cognitive Deficits in Mice." *Neuroscience* 298, (2015): 81-93.
183. Sadigh-Eteghad, Saeed, Narges Abadi, Siavash Ghavami, Mostafa Golabi, and Dariush Shanehbandi. "Synergetic Effects of Oral Administration of Levamisole and Echinacea Purpurea on Immune Response in Wistar Rat." *Research in veterinary science* 91, no. 1 (2011): 82-85.
184. Sadigh-Eteghad, Saeed, Alireza Dehnad, Dariush Shanehbandi, Iraj Khalili, Nasser Razmarayii, and Ali Namvaran. "Identification and Characterization of a Streptomyces Sp. Isolate Exhibiting Activity against Multidrug-Resistant Coagulase-Negative Staphylococci." *Veterinary research communications* 35, (2011): 477-486.
185. Sadigh-Eteghad, Saeed, Hossein Tayefi-Nasrabadi, Zahra Aghdam, Habib Zarredar, Dariush Shanehbandi, Leila Khayyat, and Seyyed-Hamed Seyyed-Piran. "Rosa Canina L. Fruit Hydro-Alcoholic Extract Effects on Some Immunological and Biochemical Parameters in Rats." *BioImpacts: BI* 1, no. 4 (2011): 219.

186. Sadreddini, Sanam, Behzad Baradaran, Ali Aghebati-Maleki, Sevil Sadreddini, Dariush Shanehbandi, Ali Fotouhi, and Leili Aghebati-Maleki. "Immune Checkpoint Blockade Opens a New Way to Cancer Immunotherapy." *Journal of Cellular Physiology* 234, no. 6 (2019): 8541-8549.
187. Sadreddini, Sanam, Reza Safaralizadeh, Behzad Baradaran, Leili Aghebati-Maleki, Mohammad Ali Hosseinpour-Feizi, Dariush Shanehbandi, Farhad Jadidi-Niaragh, Sevil Sadreddini, Hossein Samadi Kafil, and Vahid Younesi. "Chitosan Nanoparticles as a Dual Drug/Sirna Delivery System for Treatment of Colorectal Cancer." *Immunology Letters*, (2016).
188. Safaei, Sahar, Behzad Baradaran, Behzad Mansoori, Masoumeh Fardi, Elham Baghbani, Mohammad Amini, Nima Hemmat, Elham Safarzadeh, Mahdi Abdoli Shadbad, and Dariush Shanehbandi. "Ezh2 Knockdown Upregulates Expression of the Genes Involved in T-All Cell Differentiation." *Pharmaceutical Sciences* 28, no. 3 (2021): 405-413.
189. Safaei, Sahar, Manouchehr Fadaee, Omid Rahbar Farzam, Amirhossein Yari, Elham Poursaei, Cynthia Aslan, Sahar Samemaleki, Dariush Shanehbandi, Behzad Baradaran, and Tohid Kazemi. "Exploring the Dynamic Interplay between Exosomes and the Immune Tumor Microenvironment: Implications for Breast Cancer Progression and Therapeutic Strategies." *Breast Cancer Research* 26, no. 1 (2024): 57.
190. Safaei, Sahar, Dariush Shanehbandi, Venus Zafari, Elham Eghbali, Mahsa Sadeghzadeh, Haniye Mohammad Reza Khani, Amin Sadrazar, Masood Faghihdinevari, and Masoud Shirmohamadi. "Evaluation of Mir-107, Dapk1, and Klf4 Expression in Colorectal Tumors and Effect of Oxaliplatin and 5-Fu on Their Levels in Colorectal Cancer Cell Lines." *Middle East Journal of Cancer* 12, no. 2 (2021): 190-197.
191. Safarzadeh, Elham, Behzad Baradaran, Abbas Delazar, Tohid Kazemi, Mona Orangi, Solmaz Esnaashari, and Dariush Shanehbandi. "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.: Front. Immunol., 2013.
192. Safarzadeh, Elham, Abbas Delazar, Tohid Kazemi, Mona Orangi, Dariush Shanehbandi, Solmaz Esnaashari, Leila Mohammadnejad, Saeed Sadigh-Eteghad, Ali Mohammadi, and Mehrdad Ghavifekr Fakhr. "The Cytotoxic and Apoptotic Effects of Scrophularia Atropatana Extracts on Human Breast Cancer Cells." *Advanced Pharmaceutical Bulletin* 7, no. 3 (2017): 381.

193. Salamati, Aysan, Maryam Majidinia, Zatollah Asemi, Alireza Sadeghpour, Meisagh Asanjani Oskoi, Dariush Shanehbandi, Forough Alemi, Erfan Mohammadi, Ansar Karimian, and Niloufar Targhazeh. "Modulation of Telomerase Expression and Function by Mirnas: Anti-Cancer Potential." *Life Sciences* 259, (2020): 118387.
194. Salehi-Lalemarzi, Hamed, Dariush Shanehbandi, Farzaneh Shafaghat, Hajar Abbasi-Kenarsari, Behzad Baradaran, Ali Akbar Movassaghpour, and Tohid Kazemi. "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* 5, no. 2 (2015): 247.
195. Sayadmanesh, Ali, Mohammad Azadbakht, Kheirollah Yari, Ali Abedelahi, Hajar Shafaei, Dariush Shanehbandi, Behzad Baradaran, and Mohsen Basiri. "Characterization of Car T Cells Manufactured Using Genetically Engineered Artificial Antigen Presenting Cells." *Cell Journal (Yakhteh)* 25, no. 10 (2023): 674.
196. Sayadmanesh, Ali, Vahid Yekehfallah, Amir Valizadeh, Ali Abedelahi, Hajar Shafaei, Dariush Shanehbandi, Mohsen Basiri, and Behzad Baradaran. "Strategies for Modifying the Chimeric Antigen Receptor (Car) to Improve Safety and Reduce Toxicity in Car T Cell Therapy for Cancer." *International Immunopharmacology* 125, (2023): 111093.
197. Sehati, Nasser, Navaz Sadeghie, Behzad Mansoori, Ali Mohammadi, Dariush Shanehbandi, and Behzad Baradaran. "MicroRNA-330 Inhibits Growth and Migration of Melanoma A375 Cells: In Vitro Study." *Journal of cellular biochemistry* 121, no. 1 (2020): 458-467.
198. Sepehri, Bit, Roya Darbani, Mehran Mesgari-Abbasi, Sorayya Kheirouri, Dariush Shanehbandi, Monireh Khordadmehr, and Mohammad Alizadeh. "The Effects of Short-Time Air Pollution, So₂, and Ozone on Biochemical, Histo-Pathological, Oxidative Stress, and Carcinogenesis Related Genes Expressions in the Liver of the Rats." *Human & Experimental Toxicology* 43, (2024): 09603271241263569.
199. Seyedaghamiri, Fatemehsadat, Leila Hosseini, Sareh Kazmi, Javad Mahmoudi, Dariush Shanehbandi, Abbas Ebrahimi-Kalan, Reza Rahbarghazi, Saeed Sadigh-Eteghad, and Mehdi Farhoudi. "Varenicline Improves Cognitive Impairment in a Mouse Model of Mpc Ischemia: The Possible Roles of Inflammation, Apoptosis, and Synaptic Factors." *Brain Research Bulletin* 181, (2022): 36-45.
200. Seyfizadeh, Nayer, Narges Seyfizadeh, Bahman Yousefi, Sajad Borzoueisileh, Maryam Majidinia, Dariush Shanehbandi, and Mohammad Ali Jahani. "Is There Association between Abo Blood Group and the Risk Factors of Unfavorable Outcomes of

Pregnancy?" *The Journal of Maternal-Fetal & Neonatal Medicine* 28, no. 5 (2015): 578-582.

201. Shafaghat, Farzaneh, Hajar Abbasi-Kenarsari, Jafar Majidi, Ali Akbar Movassaghpour, Dariush Shanehbandi, and Tohid Kazemi. "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* 5, no. 1 (2015): 69.
202. Shafiee-Kandjani, Ali Reza, Morteza Asadi, Sara Farhang, Dariush Shanehbandi, Milad Asadi, Arash Mohagheghi, and Richard Bruggeman. "A Matched Case-Control Study of the Serum Level and Gene Expression of Il-6 and Il-12 in Patients with Schizophrenia Spectrum Disorder: An Azeri Acute Phase/Recent-Onset Psychosis Survey (Aras) Study." *Archives of Neuroscience* 11, no. 2 (2024).
203. Shafiee-Kandjani, Ali Reza, Farnaz Chalabianloo, Sara Farhang, Dariush Shanehbandi, and Behzad Shalchi. "A Potential Mechanism for Tau Protein Modulating in Schizophrenia with Transcranial Direct Current Stimulation Intervention: A Randomized Controlled Trial." *BioImpacts*, (2024): -.
204. Shafiee-Kandjani, Ali Reza, Negin Nezhadettehad, Sara Farhang, Richard Bruggeman, Dariush Shanehbandi, Mohammadbagher Hassanzadeh, and Hosein Azizi. "MicroRNAs and Pro-Inflammatory Cytokines as Candidate Biomarkers for Recent-Onset Psychosis." *BMC psychiatry* 23, no. 1 (2023): 631.
205. Shajari, Neda, Sadaf Davudian, Tohid Kazemi, Behzad Mansoori, Shima Salehi, Vahid Khaze Shahgoli, Dariush Shanehbandi, Ali Mohammadi, Pascal HG Duijf, and Behzad Baradaran. "Silencing of Bach1 Inhibits Invasion and Migration of Prostate Cancer Cells by Altering Metastasis-Related Gene Expression." *Artificial cells, nanomedicine, and biotechnology* 46, no. 7 (2018): 1495-1504.
206. Shalmashi, Hooman, Sahar Safaei, Dariush Shanehbandi, Milad Asadi, Soghra Bornehdeli, and Abdolreza Mehdi Navaz. "Evaluation of Lncrna Foxd2-As1 Expression as a Diagnostic Biomarker in Colorectal Cancer." *Reports of Biochemistry & Molecular Biology* 11, no. 3 (2022): 471.
207. Shalmashi, Hooman, Sahar Safaie, Dariush Shanehbandi, Milad Asadi, Soghra Bornehdeli, and Abdolreza Mehdi Navaz. "Evaluation of Lncrna Foxd2-As1 Expression as a Diagnostic Biomarker in Crc." (2021).

208. Shanehbandi, Dariush, Milad Asadi, Ensiyeh Seyedrezazadeh, Venus Zafari, Najibeh Shekari, Mortaza Akbari, Leila Rahbarnia, and Habib Zarredar. "MicroRNA-Based Biomarkers in Lung Cancer: Recent Advances and Potential Applications." *Current Molecular Medicine* 23, no. 7 (2023): 648-667.
209. Shanehbandi, Dariush, Behzad Baradaran, Saeed Sadigh-Eteghad, and Habib Zarredar. "Occurrence of Methicillin Resistant and Enterotoxigenic Staphylococcus Aureus in Traditional Cheeses in the North West of Iran." *International Scholarly Research Notices* 2014, no. 1 (2014): 129580.
210. Shanehbandi, Dariush, Jafar Majidi, Tohid Kazemi, Behzad Baradaran, and Leili Aghebati-Maleki. "Cd20-Based Immunotherapy of B-Cell Derived Hematologic Malignancies." *Current cancer drug targets* 17, no. 5 (2017): 423 - 444.
211. Shanehbandi, Dariush, Jafar Majidi, Tohid Kazemi, Behzad Baradaran, Leili Aghebati-Maleki Cloning and Molecular Characterization of the Cdnas Encoding the Variable Regions of an Anti-Cd20 Monoclonal Antibody." *Human Antibodies* 26, no. 1 (2018): 1-6.
212. Shanehbandi, Dariush, Jafar Majidi, Tohid Kazemi, Behzad Baradaran, Leili Aghebati-Maleki, Farzaneh Fathi, and Jafar Ezzati Nazhad Dolatabadi. "Immuno-Biosensor for Detection of Cd20-Positive Cells Using Surface Plasmon Resonance." *Advanced Pharmaceutical Bulletin* 7, (2017).
213. Shanehbandi, Dariush, Amir Ata Saei, Habib Zarredar, and Abolfazl Barzegari. "Vibration and Glycerol-Mediated Plasmid DNA Transformation for Escherichia Coli." *FEMS microbiology letters*, (2013).
214. Shanehbandi, Dariush, Habib Zarredar, Milad Asadi, Venus Zafari, Shiva Esmaeili, Ensiyeh Seyedrezazadeh, Zahra Soleimani, Hamed Sabagh Jadid, Shirin Eyvazi, and Sara Feyziniya. "Anticancer Impacts of Terminalia Catappa Extract on Sw480 Colorectal Neoplasm Cell Line." *Journal of Gastrointestinal Cancer* 52, (2021): 99-105.
215. Shekari, N, M Asadi, M Akbari, B Baradaran, H Zarredar, F Mohaddes-Gharamaleki, A Anvarnia, A Baghbanzadeh, and D Shanehbandi. "Autophagy-Regulating Micrnas: Two-Sided Coin in the Therapies of Breast Cancer." *European Review for Medical & Pharmacological Sciences* 26, no. 4 (2022).

216. Shekari, Najibeh, Faezeh Asghari, Navideh Haghnavaz, Dariush Shanehbandi, Vahid Khaze, Behzad Baradaran, and Tohid Kazemi. "Let-7a Could Serve as a Biomarker for Chemo-Responsiveness to Docetaxel in Gastric Cancer." *Anti-Cancer Agents in Medicinal Chemistry (Formerly Current Medicinal Chemistry-Anti-Cancer Agents)* 19, no. 3 (2019): 304-309.
217. Shekari, Najibeh, Behzad Baradaran, Dariush Shanehbandi, and Tohid Kazemi. "Circulating Micrnas: Valuable Biomarkers for Diagnosis and Prognosis of Gastric Cancer." *Current Medicinal Chemistry*, (2017).
218. Shekari, Najibeh, Dariush Shanehbandi, Tohid Kazemi, Habib Zarredar, Behzad Baradaran, and Seyed Amir Jalali. "Vista and Its Ligands: The Next Generation of Promising Therapeutic Targets in Immunotherapy." *Cancer Cell International* 23, no. 1 (2023): 265.
219. Shirafkan, Naghmeh, Navid Shomali, Tohid Kazemi, Dariush Shanehbandi, Mehri Ghasabi, Elham Baghbani, Maziar Ganji, Vahid Khaze, Behzad Mansoori, and Behzad Baradaran. "MicroRNA-193a-5p Inhibits Migration of Human Ht-29 Colon Cancer Cells Via Suppression of Metastasis Pathway." *Journal of cellular biochemistry* 120, no. 5 (2019): 8775-8783.
220. Shiri, Sadaf, Ali Mohammad Alizadeh, Behzad Baradaran, Baharak Farhanghi, Dariush Shanehbandi, Saeed Khodayari, Hamid Khodayari, and Abbas Tavassoli. "Dendrosomal Curcumin Suppresses Metastatic Breast Cancer in Mice by Changing M1/M2 Macrophage Balance in the Tumor Microenvironment." *Asian Pac J Cancer Prev.* 16, no. 9 (2015): 3917-22.
221. Shomali, Navid, Naghmeh Shirafkan, Pascal HG Duijf, Mehri Ghasabi, Zohreh Babaloo, Mehdi Yousefi, Behzad Mansoori, Milad Asadi, Dariush Shanehbandi, and Elham Baghbani. "Downregulation of Mir-146a Promotes Cell Migration in Helicobacter Pylori–Negative Gastric Cancer." *Journal of cellular biochemistry* 120, no. 6 (2019): 9495-9505.
222. Soofiyan, Saiedeh Razi, Farzaneh Lotfipour, Tohid Kazemi, Akbar Mohammad Hoseini, Dariush Shanehbandi, Leila Mohammadnejad, Behzad Baradaran, and Somayeh Hallaj-Nezhadi. "Combined Interleukin 12 and Granulocyte-Macrophage Colony-Stimulating Factor Gene Therapy Synergistically Suppresses Tumor Growth in the Murine Fibrosarcoma." *International Journal of Cancer Management* 10, no. 10 (2017).
223. Talei, Mahsa, Ali Abdi, Dariush Shanehbandi, Farhad Jadidi-Niaragh, Alireza Khabazi, Farhad Babaie, Shahriar Alipour, Babak Afkari, Ebrahim Sakhinia, and Zohreh Babaloo.

- "Interleukin-33 Gene Expression and Rs1342326 Polymorphism in Behçet's Disease." *Immunology Letters* 212, (2019): 120-124.
224. Tavanafar, Fatemeh, Reza Safaralizadeh, Mohammad Ali Hosseinpour-Feizi, Behzad Mansoori, Dariush Shanehbandi, Ali Mohammadi, and Behzad Baradaran. "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* 91, (2017): 920-924.
225. Vahedian, Vahid, Amirhooman Asadi, Parisa Esmaeili, Shahbaz Zamani, Reza Zamani, Saba Hajazimian, Alireza Isazadeh, Dariush Shanehbandi, and Nazila Fathi Maroufi. "Anti-Inflammatory Activity of Emu Oil-Based Nanofibrous Scaffold through Downregulation of Il-1, Il-6, and Tnf- α Pro-Inflammatory Cytokines." *Hormone Molecular Biology and Clinical Investigation* 41, no. 2 (2020): 20190052.
226. Valizadeh, Amir, Dariush Shanehbandi, Bahman Yousefi, and Jafar Soleimanpour. "Thymoquinone Potentiates Methotrexate Mediated-Apoptosis in Saos-2 Osteosarcoma Cell Line." *Drug Research* 72, no. 07 (2022): 390-395.
227. Zafari, Venus, Dariush Shanehbandi, Soghra Bornehdeli, Mahsa Sadeghzadeh, Habib Zarredar, Milad Asadi, and Akbar Sharifi. "MicroRNA Profiling in Non-Small Cell Lung Cancer and Its Implications for the Disease Pathogenesis." *Middle East Journal of Cancer* 12, no. 1 (2021): 79-85.
228. Zafari, Venus, Habib Zarredar, Elham Poursaei, Mahsa Abolghasemi, Dariush Shanehbandi, Soghra Bornehdeli, Milad Asadi, and Akbar Sharifi. "Evaluating of Mir-184, Mir-497, Mir-378, Mir-103 and Mir-506 Expression Level in Non-Small Cell Lung Cancer Patients Tissues Compared with Their Normal Marginal Tissues." *Gene Reports* 20, (2020): 100750.
229. Zarredar, Habib, Milad Asadi, Dariush Shanehbandi, Venus Zafari, Soghra Bornodeli, Zahra Soleimani, and Shahram Ghasembaglou. "Evaluation of the Lncrna Tmpo as-1 Expression Level in Melanoma Tissues in Comparison to Paired Normal Marginal Tissues." *Middle East Journal of Cancer* 14, no. 3 (2023): 399-404.
230. Zarredar, Habib, Amir Mahdi Khamaneh, Fatemeh Firouzi Amoodizaj, Dariush Shanehbandi, Ensiyeh Seyedrezazadeh, Hamed Sabagh Jadid, Milad Asadi, Venus Zafari, Yeganeh Khalili, and Zahra Soleimani. "Terminalia Catappa Extract (Tee) Reduces Proliferation of Lung and Breast Cancer Cell by Modulating Mir-21 and Mir-34a Expressions." *Asian Pacific Journal of Cancer Prevention: APJCP* 22, no. 4 (2021): 1157.

231. Zeinali, Tahereh, Leila Karimi, Nayer Hosseinahli, Dariush Shanehbandi, Behzad Mansoori, Ali Mohammadi, Khalil Hajiasgharzadeh, Zohreh Babaloo, Jafar Majidi-Zolbanin, and Behzad Baradaran. "Overexpression of Mirna-145 Induces Apoptosis and Prevents Proliferation and Migration of Mkn-45 Gastric Cancer Cells." EXCLI journal 19, (2020): 1446.
232. Zolbanin, Naime Majidi, Reza Jafari, Jafar Majidi, Fatemeh Atyabi, Mehdi Yousefi, Farhad Jadidi-Niaragh, Leili Aghebati-Maleki, Dariush Shanehbandi, Mohammad-Sadegh Soltani Zangbar, and Alireza Mohajjel Nayebi. "Targeted Co-Delivery of Docetaxel and Cmet Sirna for Treatment of Mucin1 Overexpressing Breast Cancer Cells." Advanced Pharmaceutical Bulletin 8, no. 3 (2018): 383.

Abstracts

- Safarzadeh, E., Baradaran B, Delazar A, Kazemi T, Orangi M, Esnaashari S and **Shanehbandi D.** In vitro cytotoxic effects of dichloromethane extract of *Scrophulariaatropratana* on WEHI-164 cells. in 15th International Congress of Immunology (ICI), Milan, Italy, 22 Aug - 27 Aug, 2013. Front. Immunol.

Link: https://www.frontiersin.org/10.3389/conf.fimmu.2013.02.00883/event_abstract

- Mohammadnejad, L., Baradaran B, **Shanehbandi D.**, Pourhassan-Moghaddam M and Sadreddini S. 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.

Link: https://www.frontiersin.org/10.3389/conf.fimmu.2013.02.00192/event_abstract

Conferences

- Cloning and sequencing of Dunaliella PDS gene of Iranian brine lakes, 6thIranian Biotechnology Congress, 2009, Tehran, Iran.
- Isolation and cloning of Lyc- β gene from Dunaliella (isolate: ABRII Gavkhooni28), 6thIranian Biotechnology Congress, 2009, Tehran, Iran.
- Cloning of Carbonic anhydrase gene promoter from microalga Dunaliella isolated from Urmia salty lake, 6thIranian Biotechnology Congress, 2009, Tehran, Iran.

Teaching Experience

- Teaching Biotechnology and Laboratory to Undergraduate Biotechnology Students, (2010).
- Teaching Molecular Biology for Undergraduate and Master's Students, (2011- 2013).
- Teaching Biotechnology, Molecular Biology, Immunology and Immunochemistry techniques to M.Sc. and Ph.D students, Tabriz University of Medical Sciences (2018 - Present).

Programs and Workshops (Organizing and Teaching Experience)

- PCR and Real-time PCR, Aug. 2015, Nutrition Research Center, Tabriz University of Medical Sciences, Tabriz, Iran.
- Bioinformatics and Primer designing, Jan. 2014, Research Development & Coordination Center (RDCC), Tabriz University of Medical Sciences, Tabriz, Iran.
- Molecular Biology Techniques, Aug. 2013, 21st International Iranian Congress of Physiology and Pharmacology, Tabriz University of Medical Sciences, Tabriz, Iran.
- Western Blotting, Aug. 2013, 21st International Iranian Congress of Physiology and Pharmacology, Tabriz University of Medical Sciences, Tabriz, Iran.
- Real-time PCR, Jan. 2014, Research Development & Coordination Center (RDCC), Tabriz University of Medical Sciences, Tabriz, Iran.
- Real-time PCR, Jan. 2015, Immunology Research Center, Tabriz University of Medical Sciences, Tabriz, Iran.

- Comprehensive gene therapy course (genetic engineering, genome engineering, treatment and commercialization), 2 sessions (out of 35), my subjects: "Screening methods for identification of the recombinant cells" and "CRISPR systems: Nuclease, Nickase and dead-Cas technologies", online webinar, November 2022,

and ...

Language Proficiencies

- English, Persian, Turkish