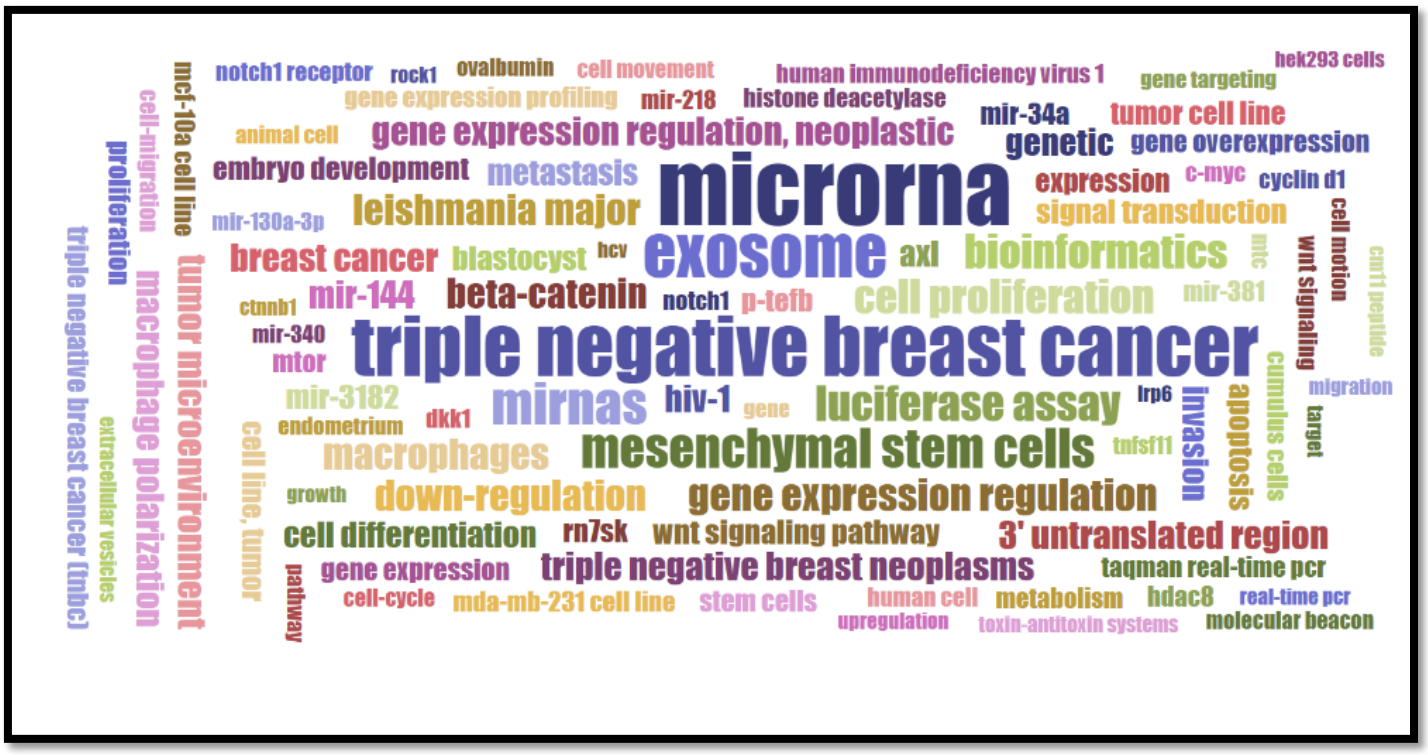
# Curriculum Vitae




H-index Scopus: 24

H-index Google scholar: 27

**General Information:**

# Samira Mohammadi-Yeganeh

**Date of Birth:** 1982

**Gender:** Female

**Marital status:** Married - has one child

**Contact information:**

**Postal Address:** Floor 3, No.53, West Ghobadian Alley, above the intersection of Mirdamad and Valiasr St., School of Advances Technologies in Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran

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**Work Experience:**

**Associate-Professor**

Department of Biotechnology, School of Advanced Technologies in Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran

**Researcher**

Stem Cell Technology Research Center, Tehran, Iran

**Molecular diagnostic Laboratory technician**

Day General hospital, Tehran, Iran

**Education:**

**Medical Biotechnology(PhD.)**

Pasteur Institute of Iran, Tehran, Iran

**Thesis title:** Evaluation of miRNA expression on genes-mediated inhibition of metastatic breast cancer

**GPA:** 19.04 (out of 20) **Thesis:** 20 (out of 20)

**Medical Microbiology(MSc)**

Tehran University of Medical Sciences, Tehran, Iran (GPA:18.92 out of 20)

**Thesis title:** Genetic characterization of ESBL producing strains of Klebsiella pneumoniae from Tehran hospitals

**Thesis:** 20 (out of 20)

**Cellular and Molecular Biology- Microbiology (BS)**

Al-Zahra University, Tehran, Iran (GPA:18.35 out of 20)

**Management/ Membership Experiences:**

• Deputy of Research and Technology Affairs, School of Advanced Technologies in Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran (5 years)

• Deputy of Research and Technology Affairs, Medical Nanotechnology and Tissue Engineering Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran (4 years)

• Vice-Chancellor of Medical Biotechnology Department (2 years)

• Head of the Cell Culture and Tissue Engineering Laboratory-Cellular and Molecular Biology Research Center- Shahid Beheshti University of Medical Sciences, Tehran, Iran. 29/2/2013 to 1/12/2019

• Member of the Bone and Cartilage Working Group of the Headquarters for the Development of Stem Cell Sciences and Technologies - 8/12/1995 until now

• Member of the Research Council of the Headquarters for the Development of Stem Cell Sciences and Technologies of the Vice President for Science and Technology - 9/02/96 until now

• Member of the evaluation scope working group in the accreditation program of the general medicine course - 21/11/2017 to 21/11/2018

• Member of the management committee of distinguished mission and organization of scientific poles- 05/02/2017

• Member of the EDO Committee of the Faculty of Modern Medical Technologies - 1/7/95 to 1/7/96

• Member of the founding board of the Medical Nanotechnology and Tissue Engineering Research Center of Shahid Beheshti University of Medical Sciences

• Researcher of the Faculty of Cellular and Molecular Biology Research Center of Shahid Beheshti University of Medical Sciences

**Awards and Honors:**

- 1st rank in Microbiology graduation - Al-Zahra University (S) with GPA 18.35
- Member of Al-Zahra University Center for Brilliant Talents with simultaneous studies in Microbiology and Biotechnology
- 3rd rank in the master's examination of the Ministry of Science-Realizations and Technology in the field of microbiology

- 3rd rank in the master's examination of the Ministry of Science - Research and Technology in the field of bacteriology
- 1st rank in the master's examination of the Ministry of Health-Treatment and Medical Education in the field of medical microbiology
- Member of the Brilliant Talents Center of Tehran University of Medical Sciences
- Bronze medalist of the 10th Student Olympiad of the country in the field of biology (2014)
- Member of the National Elite Foundation
- 1st rank of graduate in medical microbiology with a total average of 18.92
- 3rd rank in the specialized doctorate exam (PhD) in medical biotechnology
- First place in PhD graduation (average 19/04)
- First rank in assistant-professors of the University (Education Festival)- 2017
- First rank Researcher in assistant professors of basic sciences of the university (Aboureyhan Research Festival)- 2018
- Selected basic sciences of Women and Science Festival-2022
- Winner of the UNESCO prize at the Women and Science Festival-2022

**Laboratory Skills:**

• Cultivation of primary and secondary cells

• Isolation of primary cells from different human and animal sources, their cultivation and differentiation

• RT-PCR, Real-time PCR, RFLP, PFGE, Cloning molecular methods

• Western blot

• Setting up PCR and Real-time PCR methods in laboratories and interpreting the results and solving problems

• Designing, optimizing and using a variety of primers and probes for real-time PCR, PCR and miRNA detection

• Working with laboratory animals, including nude mice

• Designing and manufacturing recombinant lentiviral vectors and transducting primary cells and cell lines with these vectors.

• Designing and manufacturing adenoviruses (AAV) and transducting cell lines by vectors.

• Macrophage isolation and culture and polarization

• Cancer exosome therapy

**Research Experiences:**

• Cell therapy and gene therapy for cancer

• Detection of breast cancer tumor markers

• microRNAs and their use in treatment

• Specific detection and detection of miRNA

• Cell signaling and their effects in cancer

• Exosome therapy, cancer microenvironment and new cancer treatment methods

• Design of miRNA diagnostic kits

• Design of cancer detection kits with tumor markers

• Setting up new viral systems for gene transfer and miRNA

• Design of new gene transfer vectors for gene therapy

• Genetics and genetic engineering

• Application of biotechnology in the detection of bacteria and viruses

• Molecular methods and new probes in HIV diagnosis

**Patents:**

- Low cost and fast process using Stem-loop Real time quantification PCR method for miRNA expression analysis (code 89 ALF010484 number 84667). Licensed and approved by the Vice President of Research and Technology of the Ministry of Health and Medical Education
- Optimal process using TaqMan Real-Time PCR for qualitative and quantitative detection of human acquired immunodeficiency virus (HIV-1)

**Principle Investigator of Completed Research Projects:**

1- Evaluating the effects of miR-218 delivery by mesenchymal stem cell-derived exosomes on breast cancer cell metastasis and angiogenesis

2- Investigating the effect of using exosomes derived from MDA-MB-231 cancer cells containing miR-155 inhibitor on the angiogenic properties of endothelial cells

3- Bioinformatics study of gene network and evaluation of key target genes of miR-3182, miR-3143 in metastatic breast cancer cell line

4- Evaluation of miRNA expression inhibiting the PI3K/AKT pathway in human T acute lymphoblastic leukemia clinical samples and the effect of inducing its re-expression on growth, proliferation, and survival of jurkat cell line

5- Evaluating the effect of increasing the expression of miR-3143 and miR-3182 in exosomes derived from umbilical cord stem cells on invasive behavior and cell cycle in triple negative breast cancer cells.

6- A comprehensive study of genes related to ferroptosis and drug candidates in colorectal cancer

7- Designing and using angiogenesis-inhibiting miRNA in exosome carriers derived from human mesenchymal stem cells and investigating its effect on the angiogenesis process

8- Investigating the possibility of using exosome derived from umbilical cord stem cells as a carrier of miRNA in inhibiting genes of the proliferation pathway in breast cancer

9- Investigating the effect of miR-4699-3P expression as an inhibitor of PTEN and DUSP phosphatases in osteogenic differentiation of human adipose mesenchymal stem cells

10- Evaluation of the inhibition of PI3K/Akt/mTOR signaling pathway using the combination of rapamycin drug and vector containing miRNA in changing macrophage polarization and growth and metastasis of breast cancer cells

11- Bioinformatic identification of microRNAs inhibiting a number of genes in angiogenesis pathway and colorectal cancer cell cycle

12- Simultaneous use of rapamycin drug derivative and miRNA inhibitor of PI3K/Akt/mTOR signaling pathway to inhibit proliferation and metastasis in animal model of breast cancer (4T1)

13- Investigating the effect of increased expression of miR-4699 on the osteogenic differentiation of human mesenchymal stem cells

14- Investigating the function of miR-141 in inhibiting the CTNNB1 gene from the Wnt signaling pathway in metastatic breast cancer

15- Design, optimization, validation and application of real-time PCR TaqMan method for quantitative detection of human acquired immunodeficiency virus type-1 (HIV-1).

16- Heterologous expression of YoeB toxin and YefM antitoxin of Streptococcus pneumoniae in MCF-7 breast cancer cell line

17- Investigating the presence of miR-9, 21, 125, 155 in microvesicles derived from metastatic breast cancer cells (MDA-MB-231) and their effect on the induction of invasive properties in non-invasive breast cancer cell line (MCF-7)

18- Studying the effect of increasing PEDF expression in exosomes derived from breast cancer cells in order to induce M1 phenotype in macrophages

19- Investigating the detection power of the nucleic acid sequence-based amplification (NASBA) real-time PCR technique compared to the RT-PCR method for the detection of the COVID-19 virus

20- Investigating the correlation between RhoA and miR-31 expression levels in breast cancer patients: a pilot study

22- Evaluating the effect of aqti-plant (Palem) on the genes involved in the cell cycle in breast cancer in laboratory conditions and also the effectiveness in the mouse model of breast cancer.

23- Investigating the effect of exosomes isolated from mouse breast cancer cells treated with rapamycin in inducing M1 phenotype in mouse macrophages

24- Using miR-218 to stimulate the differentiation of mesenchymal stem cells into osteoblast cells in the mouse skull bone lesion mode

25- Investigating the expression level of c-myc oncogene and its inhibitory miRNA in cell lines and also samples of breast cancer patients

26- Examining NOTCH1 gene expression from the Notch signaling pathway as a diagnostic marker in breast cancer

27- Examining the expression of mTOR gene and miRNA target of its receptor in samples isolated from breast cancer patients

28- Investigating the effect of miR-9 expression, which inhibits Notch1, in preventing the migration and invasion of breast cancer cells

29- Investigating the role of miRNA in CD1 gene expression in MDA-MB-231 cell line

30- Evaluation of the effect of cancer cell-derived exosomes with altered miRNA content on macrophage polarization in cell culture and breast cancer mouse model

31- Studying the effect of increasing PEDF expression in exosomes derived from breast cancer cells in order to induce M1 phenotype in macrophages

32- Investigating the effect of using exosomes derived from MDA-MB-231 cancer cells containing miR-155 inhibitor on the angiogenic properties of endothelial cells

33- Investigating the detection power of the nucleic acid sequence-based amplification (NASBA) real-time PCR technique compared to the RT-PCR method for the detection of the COVID-19 virus

34- The effect of increased miRNA expression on inhibiting the angiogenesis process in Caco2 and SW480 colorectal cancer cell lines

35-Release of SHV and TEM beta-lactamases in Klebsiella pneumoniae strains isolated from Labafinejad Hospital

36- Investigation of phenotypic characteristics and genetic analysis using PFGE of Acinetobacter species isolated from Tehran hospitals (Tehran University of Medical Sciences)

37- Genetic investigation of Klebsiella pneumoniae strains resistant to broad-spectrum cephalosporins using PFGE to determine their genetic identity (Tehran University of Medical Sciences)

38- PFGE analysis, detection of polymorphism in SCC mec gene and virulence factor genes among MRSA strains isolated from Tehran University of Medical Sciences hospitals (Tehran University of Medical Sciences)

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**Supervise of MSc. Theses:**

1- Examining the expression of RhoA gene and miR-31, its target receptor, in samples isolated from breast cancer patients. **Mohammad Reza Malekian**. Faculty of Basic Sciences. Islamic Azad university.

2- Examining the expression and relationship of c-Myc oncogene and miRNA that inhibits it in cell lines and hempenin samples of breast cancer patients. **Vida Pourteimoor**. College of Science. University of Zanjan.

3- Examining the expression of mTOR gene and miRNA target of its receptor in samples isolated from breast cancer patients. **Mahsa Fazli**. Faculty of Basic Sciences. Islamic Azad university.

4- Examining the expression of miRNA-144 and PTEN gene as one of its targets in human and mouse breast cancer cell lines. **Maryam Sharif Beygli**. Faculty of Basic Sciences. Islamic Azad university. Finished

5- MiRNA simultaneous prediction of AXL and c-Met receptor target and its expression in breast cancer cell lines. **Shadan Yazdi.** Islamic Azad university. Pharmaceutical Sciences Unit. Finished

6- Investigating the increased expression of miR-144 and miR-34a on the expression of AXL and mTOR genes in medullary thyroid cancer (MTC) cell line. **Shaghayegh Pishkari**. Islamic Azad University, Tehran Medical Branch

**Advisor of MSc. Theses:**

1- Examining the role of miRNAs on the expression level of β-catenin and CD1 genes in HepG2 liver cancer cell line. **Hamza Karim Khanlou**. Master's degree. Tabriz University of Medical Sciences - Faculty of Modern Medical Sciences

2- Examining the role of miRNAs on the expression level of Wnt and c-Myc genes in HepG2 liver cancer cell line. **Zainab Ahsani** Master's degree. Tabriz University of Medical Sciences - Faculty of Modern Medical Sciences

3- Investigating the effect of mesenchymal stem cells activated with Leishmania major lysate on the activity of mouse peritoneal macrophages. **Zahra Khosrowpour**. Master's Degree in Immunology - Shahid Beheshti University of Medical Sciences

**Supervisor of PhD. Theses:**

1. Evaluation of the effect of increasing the expression of miR-3143 and miR-3182 in exosomes derived from umbilical cord stem cells on invasive behavior and cell cycle in triple-negative breast cancer cells. **Yalda Khazaei-poul**, PhD. in Medical Biotechnology- Shahid Beheshti University of Medical Sciences

2. Investigating the expression relationship of genes (AREG, EFNB2, CAMK1D, PTGS2 and miR-26-5p) in cells Cumulus and follicular fluid with pregnancy success in patients with recurrent implantation failure Effectiveness of healthy follicular fluid treatment on it - **Bahareh Habibi** - PhD. in Reproductive Biology - Shahid Beheshti University of Medical Sciences

3. Investigating the expression of miR-130a and its relationship with the Wnt signaling pathway in different subtypes of breast cancer - **Jafar Poodineh** - PhD in Biochemistry - Shahid Beheshti University of Medical Sciences

4. Investigating the immunoadjuvant effect of chitosan nanoparticle carrying miR-155 in modulating immune responses against ovalbumin in BALB/c mice - **Mehranoush Safarzadeh** - PhD in Immunology - Shahid Beheshti University of Medical Sciences

5. Evaluation of synthetic miRNA inhibiting IL-10 and TGF-β on the survival of Leishmania major parasite in infected macrophages-**Faezeh Hamidi**. PhD. in Parasitology- Shahid Beheshti University of Medical Sciences

6. Evaluation of the effect of exosomes derived from cancer cells with altered miRNA content on macrophage polarization. **Maryam Moradi.** PhD in Molecular Medicine. Shahid Beheshti University of Medical Sciences

7. Investigating the effect of increasing the expression of miRNAs that inhibit metastasis and angiogenesis in exosomes derived from human mesenchymal stem cells in the process of metastasis and angiogenesis. **Samane Shojaei**. PhD in Molecular Medicine. Shahid Beheshti University of Medical Sciences

8. Investigating the effects of miR-21 and miR-155 expression changes in women with polycystic ovary syndrome on the process of oocyte and mouse embryo development. **Zainab Dehghan**. PhD in Molecular Medicine. Shahid Beheshti University of Medical Sciences

9. Design, optimization, validation and application of TaqMan real-time PCR method for quantitative and qualitative detection of human acquired immunodeficiency virus. **Hassan Noorbazargan**. PhD in Medical Biotechnology. Shahid Beheshti University of Medical Sciences

10. Investigating the effect of increased expression of miR-218 on the efficiency of osteogenic differentiation of mesenchymal stem cells in a mouse bone lesion model. **Zahra Karimi**. PhD in Medical Biotechnology. Shahid Beheshti University of Medical Sciences

11. Investigating the effect of increased expression of miR-4699 on the osteogenic differentiation of human mesenchymal stem cells. **Vahadeh Hosseini**. PhD in Medical Biotechnology. Shahid Beheshti University of Medical Sciences

12. Investigating the effect of miRNAs in microvesicles derived from metastatic breast cancer cells on the induction of invasive properties in non-invasive breast cancer cell lines. **Vahid Kia**. PhD in Medical Biotechnology, Zanjan University of Medical Sciences

13. Investigating the role of long non-coding RNA 7SK in the path of differentiation of embryonic stem cells towards neuronal cells. **Zahra Bazi.** PhD in Medical Biotechnology. Shahid Beheshti University of Medical Sciences

14. Investigating the AXL signaling pathway and its controlling miRNAs in blood samples and tissues isolated from patients with medullary thyroid carcinoma (MTC). **Noushin Shabani**. PhD in Molecular Medicine. Shahid Beheshti University of Medical Sciences

15. Investigating the antitumor effects of metformin on the expression of genes and proteins involved in the PI3K/Akt/FoxO1 pathway and independent of the AMPK pathway in anaplastic, medullary and thyroid cancer cell lines. **Zahra Nezhat**. PhD in molecular medicine. Shahid Beheshti University of Medical Sciences

16. Investigating the expression of Let-7a and miR-15a/16-1 microRNAs in the culture medium of IVF, ICSI and frozen embryos and their relationship with embryo development and implantation. **Fezeh Heydari**. PhD in molecular medicine. Shahid Beheshti University of Medical Sciences

17. The effect of ovarian hyperstimulation syndrome on oocyte and embryo epigenetic changes in mice. **Yunus Moradi.** PhD in molecular medicine. Shahid Beheshti University of Medical Sciences

**Advisor of PhD. Theses:**

1- Investigating the effect of decellularized human placenta 3D scaffold on ossification of mesenchymal stem cells and polarization of macrophages in an in vitro and in vivo Study-**Zahra Khosrowpour**-Iran University of Medical Sciences

2- Investigating the effect of micro RNAs mir-483-3p and mir-216b on the cell cycle and survival ability of breast cancer cells and the expression of histone deacetylase 8 (HDAC8) oncogene. **Mohammad Nazir Manbari**. PhD in Molecular Medicine, Sanandaj University of Medical Sciences

3- Evaluation of the effect of heterologous expression of yefM-yoeB toxin-antitoxin system of Streptococcus pneumoniae bacteria in induction of apoptosis and selective lethality of MCF-7 breast cancer cell line. **Hamidreza Houri**. PhD in Bacteriology. Shahid Beheshti University of Medical Sciences

4- Investigating the effect of microRNA in the apoptosis of macrophage cells infected with Leishmania major. **Zohreh Lasjerdi**. PhD in Parasitology. Shahid Beheshti University of Medical Sciences

5- Investigating the regulatory role of 7SK non-coding RNA in creating pluripotency in human fibroblast cells. **Seyed Maryam Seyed Mousavi**. PhD in Medical Biotechnology. Shahid Beheshti University of Medical Sciences

6- Microdosimetry investigation of BNCT neutron field. **Samane Babazadeh**. PhD in Nuclear Physics. Mashhad Ferdowsi University

7- The use of non-coding small RNAs to specifically induce SOX9 gene expression with the aim of differentiating mesenchymal stem cells (MCS) into chondrocytes. **Mohammad Eftekhari**. PhD in Medical Biotechnology, Shahid Beheshti University of Medical Sciences

8- Examining the expression changes of Bcl2, caspase 2 and caspase 8 genes involved in the apoptosis pathway and miRs related to these genes (hsa-miR-17-5p, hsa-miR-20a-5p, hsa-miR-29a- 3p, hsa-29c-3p (. **Romina Dastmalchi**. Shahid Beheshti University of Medical Sciences

**Published papers:**

**(1-144)**


1. Feizabadi MM, Etemadi G, Rahmati M, **Mohammadi-Yeganeh S**, Shabanpoor S, Asadi S. Antibiotic resistance patterns and genetic analysis of Klebsiella pneumoniae isolates from the respiratory tract. TANAFFOS (Respiration). 2007;6(3 (summer)):20-5.
2. Mahboubi M, **Mohammadi-Yeganeh S**, Bokaee S, Dehdashti H, Feizabadi MM. Antimicrobial activity of essential oil from Oliveria decumbens and its synergy with vancomycin against Staphylococcus aureus. Herba polonica. 2007;4(53).
3. Haghiashteiani MT, **Mohammadi-Yeganeh S**, Soroush S, Sadeghifard N, Sayadi S, Dabyri H, et al. Frequency and antimicrobial susceptibility of Haemophilus influenzae Type b isolated from children suspected to meningitis. Iranian Journal of Public Health. 2008;37(4):52-8.
4. Hekmatdoost A, Feizabadi MM, Djazayery A, Mirshafiey A, Eshraghian MR, **Yeganeh SM**, et al. The effect of dietary oils on cecal microflora in experimental colitis in mice. Indian Journal of Gastroenterology. 2008;27(5).

5. Mm F, Fathollahzadeh B, Taherikalani M, Rasoolinejad M, Sadeghifard N, Aligholi M, et al. Antimicrobial susceptibility patterns and distribution of blaOXA genes among Acinetobacter spp. Isolated from patients at Tehran hospitals. Japanese journal of infectious diseases. 2008;61(4):274-8.
7. SYBR Green-based real-time PCR assay for detection of VKORC1 and CYP2C9 polymorphisms that modulate warfarin dose requirement. Clinical chemistry and laboratory medicine. 2009;47(1):26-31.
8. Feizabadi MM, **Mahamadi-Yeganeh S**, Mirsalehian A, Mirafshar S-M, Mahboobi M, Nili F, et al. Genetic characterization of ESBL producing strains of Klebsiella pneumoniae from Tehran hospitals. The Journal of Infection in Developing Countries. 2010;4(10):609-15.
9. **Mohammadi Yeganeh S**, Asadi Lari M, Seyedin SH, Maher A. Qualitative and quantitative performance of equipment and non-structural vulnerability in selected public hospitals in Tehran City during an earthquake. Quarterly Scientific Journal of Rescue and Relief. 2011;3(1):0-.
10. Paryan M, Mondanizadeh M, **Mohammadi-Yeganeh S**, Khansarinejad B. Development and application of a sensitive multiplex real-time RT-PCR for simultaneously detection of HIV-1 and HCV in plasma samples. Journal of Arak University of Medical Sciences. 2011;14(5):1-10.
11. **Mohammadi-Yeganeh S**, Paryan M, Samiee SM, Kia V, Rezvan H. Molecular beacon probes–base multiplex NASBA Real-time for detection of HIV-1 and HCV. Iranian journal of microbiology. 2012;4(2):47.
13. Paryan M, Forouzandeh MM, Kia V, **Mohammadi-Yeganeh S**, Abbasali RA, Mirab SS. Design and development of an in-house multiplex RT-PCR assay for simultaneous detection of HIV-1 and HCV in plasma samples. Iranian Journal of Microbiology. 2012;4(1):8.
14. Paryan M, Fourozandeh MM, **Mohammadi-Yeganeh S**. Application of a NASBA Real-time assay using molecular beacon for detection of HCV virus. Scientific Journal of Iranian Blood Transfusion Organization. 2012;9(1).
15. Paryan M, **Mohammadi-Yeganeh S**, Khansarinejad B, Mondanizadeh M. Simultaneous Diagnosis of HIV-1 and HCV Infections by Nucleic Acid Sequence-Based Amplification. Journal of Isfahan Medical School. 2012;29(173).
16. Paryan M, **Mohammadi-Yeganeh S**, Mirab Samiee S, Rezvan H. Design and development of a multiplex real-time PCR assay for detection of HIV-1 and HCV using molecular beacons. Indian journal of microbiology. 2012;52:456-63.
17. Paryan M, **Mohammadi-Yeganeh S**, Mondanizadeh M, Khansarinejad B. Multiplex RT-PCR assay for detection of Co-infection HIV-1 and HCV viruses in plasma samples. Journal of Gorgan University of Medical Sciences. 2012;14(1):52-60.
18. Paryan M, Mondanizadeh M, Paryan S. Rapid detection of HIV-1 viral RNA by real-time transcription mediated amplification assay. Journal of Arak University of Medical Sciences. 2012;15(4):18-25.
19. Mahdian etal. Investigation of deregulated genes of Notch signaling pathway in human T cell acute lymphoblastic leukemia cell lines and clinical samples. Molecular Biology Reports. 2013;40(10):5531-40.
21. **Mohammadi-Yeganeh S**, Paryan M, Mirab Samiee S, Soleimani M, Arefian E, Azadmanesh K, et al. Development of a robust, low cost stem-loop real-time quantification PCR technique for miRNA expression analysis. Molecular biology reports. 2013;40:3665-74.
22. Paryan M, Forouzandeh Moghadam M, Kia V, **Mohammadi Yeganeh S**, Raz A, Mirab Samiee S. A simple and rapid method for the detection of HIV-1/HCV in co-infected patients. Iranian Journal of Biotechnology. 2013;11(2):74-9.
23. Paryan M, **Mohammadi-Yeganeh S**. P-44: Investigation The Role of MicroR-NAs in Spermatogenesis and Male Infertility. Int J Fertil Steril. 2014;8(2.5).
25. Samiee SM, **Yeganeh SM**, Paryan M, Rezvan H, Mostafavi E, Pasalar P. Polymorphism Detection of VKORC1 and CYP2C9 genes for warfarin dose adjustment by Real-Time PCR. Thrita. 2014;3(1).

26. Abedi N, **Mohammadi-Yeganeh S**, Koochaki A, Karami F, Paryan M. miR-141 as potential suppressor of β-catenin in breast cancer. Tumor Biology. 2015;36:9895-901.
27. Bastani S, Pourteimoor V, **Mohammadi YS**, Yazdani M. P166-THE ASSESSMENT OF CELL PROLIFERATION AS AN EFFECTIVE TARGET IN THREE-DIMENSIONAL CULTURING OF BREAST CANCER CELL LINES, NOVEL THERAPEUTIC APPROACH. 2015.
28. **Mohammadi-Yeganeh S**, Mansouri A, Paryan M. Targeting of miR9/NOTCH1 interaction reduces metastatic behavior in triple-negative breast cancer. Chemical biology & drug design. 2015;86(5):1185-91.
29. Pourteimoor V, **Mohammadi YS**, Paryan M, Yazdani M. P174-THE INVESTIGATION OF C-MYC AND PIVOTAL MISCELLANY SETS OF MICRORNAS COORDINATION IN BREAST CANCER STEM CELL IN LINE WITH TUMORIGENICITY AND PROGRESSION OF BREAST CANCER. 2015.
30. Abasi M, Bazi Z, **Mohammadi-Yeganeh S**, Soleimani M, Haghpanah V, Zargami N, et al. 7SK small nuclear RNA transcription level down-regulates in human tumors and stem cells. Medical Oncology. 2016;33:1-5.
31. Karami F, **Mohammadi-Yeganeh S**, Abedi N, Koochaki A, Kia V, Paryan M. Bioinformatics Prediction and In Vitro Analysis Revealed That mi R-17 Targets Cyclin D 1 m RNA in Triple Negative Breast Cancer Cells. 2016. p. 317-20.
34. **Mohammadi-Yeganeh S**, Paryan M, Arefian E, Vasei M, Ghanbarian H, Mahdian R, et al. MicroRNA-340 inhibits the migration, invasion, and metastasis of breast cancer cells by targeting Wnt pathway. Tumor Biology. 2016;37:8993-9000.
35. Moradi Y, Salehi M, **Yeganeh SM**, Kurd S, Ahangari N. GENERATION OVARIAN HYPER STIMULATION SYNDROME MODEL IN MICE. 2016.
36. Paryan M, Khodayar M, Kia V, **Mohammadi–Yeganeh S**, Kaghazian H. Development of an in-house TaqMan real-time PCR-based method to detect residual host cell DNA in HBV vaccine. Applied biochemistry and biotechnology. 2016;179:375-82.
37. Paryan M, Tavakoli R, Rad SMAH, Feizi N, Kamani F, Mostafavi E, et al. Over-expression of NOTCH1 as a biomarker for invasive breast ductal carcinoma. 3 Biotech. 2016;6:1-5.
38. Pourteimoor V, **Mohammadi-Yeganeh S**, Paryan M. Breast cancer classification and prognostication through diverse systems along with recent emerging findings in this respect; the dawn of new perspectives in the clinical applications. Tumor Biology. 2016;37:14479-99.
39. Ahsani Z, **Mohammadi-Yeganeh S**, Kia V, Karimkhanloo H, Zarghami N, Paryan M. WNT1 gene from WNT signaling pathway is a direct target of miR-122 in hepatocellular carcinoma. Applied biochemistry and biotechnology. 2017;181:884-97.
40. Hosseini S, Dehghani-Mohammadabadi M, Ghafarri Novin M, Haji Molla Hoseini M, Arefian E, **Mohammadi Yeganeh S**, et al. Toll-like receptor4 as a modulator of fertilization and subsequent pre-implantation development following in vitro maturation in mice. American Journal of Reproductive Immunology. 2017;78(5):e12720.
41. Karimkhanloo H, **Mohammadi-Yeganeh S**, Ahsani Z, Paryan M. Bioinformatics prediction and experimental validation of microRNA-20a targeting Cyclin D1 in hepatocellular carcinoma. Tumor Biology. 2017;39(4):1010428317698361.
42. Khosrowpour Z, Hashemi SM, **Mohammadi-Yeganeh S**, Soudi S. Pretreatment of Mesenchymal Stem Cells With Leishmania major Soluble Antigens Induce Anti-Inflammatory Properties in Mouse Peritoneal Macrophages. Journal of Cellular Biochemistry. 2017;118(9):2764-79.
43. **Mohammadi Yeganeh S**, Vasei M, Tavakoli R, Kia V, Paryan M. The effect of miR-340 over-expression on cell-cycle–related genes in triple-negative breast cancer cells. European journal of cancer care. 2017;26(6):e12496.
45. **Mohammadi YS**, Malekian M, Kia V, Koochaki A, Paryan M. INVESTIGATION INTO THE RELATION BETWEEN MIR-31 AND RHOA EXPRESSIONS IN BREAST CANCER CLINICAL SAMPLES AND CELL LINES: A CONTROVERSIAL MATTER. 2017.

46. Paryan M, **Mohammadi-Yeganeh S**, Rezvan H, Kia V, Mansouri A, Samiee SM. Simultaneous detection and genotype determination of HSV 1 and 2 by real-time PCR using melting curve analysis and a unique pair of primers. Applied Immunohistochemistry & Molecular Morphology. 2017;25(2):139-43.
47. Razaviyan J, Hadavi R, **Mohammadi-Yeganeh S**. Expression Analysis of miRNAs Targeting PIK3CA and AKT1 Genes of PI3K Signaling Pathway in Breast Cancer Cells. Galen Medical Journal. 2017;6(4):e925-e.
48. Zamanian S, **Mohammadi-Yeganeh S**, Kia V, Kaghazian H, Paryan M. Design and validation of a new method to detect and quantify residual host cell DNA in human recombinant erythropoietin (rEPO). Preparative Biochemistry and Biotechnology. 2017;47(9):847-51.
50. Bazi Z, Bertacchi M, Abasi M, Mohammadi-Yeganeh S, Soleimani M, Wagner N, et al. Rn7SK small nuclear RNA is involved in neuronal differentiation. Journal of Cellular Biochemistry. 2018;119(4):3174-82.
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