

Curriculum Vitae



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Education

- **Master of Philosophy (Clinical Biochemistry)** 2006-2011
Tabriz University of Medical Sciences, Tabriz, Iran
PDG: 18/20
- **Master of Science (Clinical Biochemistry)** 2002-2005
Tarbiat Modarres University, Tehran, Iran
PDG: 17.5/20
- **Bachelor of Science (Cell and Molecular Biology, Genetics)** 1998-2002
Chamran University, Ahwaz, Iran
PDG: 18/20

Research Experience

1. Analysis of connexin 26 gene mutations in deafness patients in Marand, Iran.
2. Application of gold nanoparticle-oligonucleotide for detection of sequence of lung cancer biomarker. Tabriz, Iran.
3. Enhancing the efficiency of radiotherapy for esophagus SCC by adjuvant therapy with Metformin and 2-deoxy-D- Glucose. Tabriz, Iran.
4. The study of the diosgenin and extract of Trigonella foenum-graceum(fenugreek) effect on telomerase gene expression in lung cancer cell line (A549). Tabriz, Iran.
5. Expression of hTERT in obese and normal body weight Breast cancer patients by Real-Time PCR. Tabriz, Iran.
6. Study of the clofarabine effects on apoptosis induction and p53R2 gene expression in breast cancer cell line (T47D). Tabriz, Iran.
7. Study of correlation between single-nucleotid polymorphism (SNP) of CDH1 and FGFR2 genes with increased risk of breast cancer in breast cancer patients. Tabriz, Iran.
8. Comparison of inhibitory effect of nanocapsolated Helenalin and unnanocapsolated Helenalin onTelomerase gene expression in breast cancer cell line by Real-time PCR. Tabriz, Iran.

9. Quantitative analysis of effect of Boswellic acid in the expression of CaMK II and CaMK IV genes in the PC12 cell line. Tabriz, Iran.
10. Preparation of pH sensitive insulin-loaded nanohydrogels and evaluation of insulin releasing in different pH conditions. Tabriz, Iran.
11. Abundance of familiar married in Sabein (sect) in Ahwaz city, National project No.462, Shahid Chamran University, Ahwaz, Iran.
12. Measurement of oxidative stress index in patients with esophagus-stomach reflex, Urmia Medical Sciences University, Urmia, Iran.
13. Starvation dependent changes in serum level of MDA, HDL, LDL, TG, Cholesterol, estrogen and progesterone in human females. Marand Payam-nour University, Marand, Iran.
14. Effects of polygonum aviculare on proliferation and apoptosis of HeLa cell line. Applied Drug Research Center, Tabriz University of Medical Science, Tabriz, Iran.
15. Effects of polygonum aviculare on proliferation and apoptosis of HeLa-s cell line. Marand Payam-nour University, Marand, Iran.
16. Extraction and purification of Crude extract of Curcuma longa and genotyping: The inhibitory effect of Rizom Longa on Telomerase Gene Expression in cigarette smoking patients with Lung and Breast Tumors and tumor Cell lines. Cancer Research National Center, Tehran, Iran.
17. Study of anti tumoral activity and inhibitory effect of total extract of curcuma longa on telomerase gene expression in epithelial like breast cancer cell line. Applied Drug Research Center, Tabriz University of Medical Science, Tabriz, Iran.
18. Extraction and purification of curcuma longa total extract and study of its inhibitory effect on expression of telomerase gene in lung cancer cell line. Tuberculosis & Lung Research Center. Tabriz University of Medical Science, Tabriz, Iran.
19. Study of Estrogen Receptors Gene Expression (ER α and ER β) in Normal and Obese Breast Cancer Patients by Real Time PCR. Applied Drug Research Center, Tabriz University of Medical Science, Tabriz, Iran.

Publications

1. Bashir Mosayyebi, Mahsa Imani, Leila Mohammadi, Abolfazl Akbarzadeh, Nosratollah Zarghami, Mahdi Edalati, Effat Alizadeh, **Mohammad Rahmati**. An Update on the Toxicity of Cyanogenic Glycosides Bioactive Compounds: Possible Clinical Application in Targeted Cancer Therapy. [Materials Chemistry and Physics](#), **246** (2020) 122841 . <https://doi.org/10.1016/j.matchemphys.2020.122841>
2. Leila Alizadeh, Effat Alizadeh, Amir Zarebkohan, Elham Ahmadi, **Mohammad Rahmati-Yamchi**, Roya Salehi. AS1411 aptamer-functionalized chitosan-silica nanoparticles for targeted delivery of epigallocatechin gallate to the SKOV-3 ovarian cancer cell lines. [J Nanopart Res](#) (2020) 22:5. <https://doi.org/10.1007/s11051-019-4735-7>.
3. Mohammad Reza Ashoori, **Mohammad Rahmati-Yamchi**, Alireza Ostadrahimi, Reza Pahlavan-Gharebaba, Majid Mobasseri, Salar Bakhtiyari, Nosratollah Zarghami. Apelin-13 serum levels in type 2 diabetic obese women: possible relations with microRNAs-107 and 375. [Turkish Journal of Biochemistry](#) 44 (5), 667-675.
4. Naser Javan, Mohammad Hassan Khadem Ansari, Mehdi Dadashpour, Mehran Khojastehfard, Milad Bastami, **Mohammad Rahmati-Yamchi**, Nosratollah Zarghami. Synergistic Antiproliferative Effects of Co-nanoencapsulated Curcumin and Chrysin on MDA-MB-231 Breast Cancer Cells Through Upregulating miR-132 and miR-502c. [Nutr Cancer](#). 2019;71(7):1201-1213. doi: 10.1080/01635581.2019.1599968. Epub 2019 Apr 7.
5. Leila Alizadeh, Amir Zarebkohan, Roya Salehi, Amir Ajjoolabady, **Mohammad Rahmati-Yamchi**. Chitosan-based nanotherapeutics for ovarian cancer treatment. [J Drug Target](#). 2019 Sep;27(8):839-852. doi: 10.1080/1061186X.2018.1564923. Epub 2019 Feb 11.
6. Elahe Naderali, Behnaz Valipour, Amir Afshin Khaki, Jafar Soleymani Rad, Alireza Alihemmati, **Mohammad Rahmati**, Hojjatollah Nozad Charoudeh. Positive Effects of PI3K/Akt Signaling Inhibition on PTEN and P53 in Prevention of Acute Lymphoblastic Leukemia Tumor Cells. [Adv Pharm Bull](#). 2019 Aug;9(3):470-480. doi: 10.15171/apb.2019.056. Epub 2019 Aug 1.
7. Peyman Ranji, Shahram Agah, Zahra Heydari, **Mohammad Rahmati-Yamchi**, Ali Mohammad Alizadeh. Effects of Lactobacillus acidophilus and Bifidobacterium bifidum probiotics on the serum biochemical parameters, and the vitamin D and leptin receptor genes on mice colon cancer. [Iran J Basic Med Sci](#). 2019 Jun;22(6):631-636. doi: 10.22038/ijbms.2019.32624.7806

8. Yaghoob Ghasemi, Hamid Tayebi-Khosroshahi, Behzad Abedi, **Mohammad Rahmati-Yamchi**, Effat Alizadeh. Tiny Non-coding RNAs in Body Fluids, Possible Biomarkers for Autosomal Dominant Polycystic Kidney Disease. [Iran J Kidney Dis](#). 2019 May;13(3):151-164.
9. Mehran Khojastehfard, Homayun Dolatkah, Mohammad-Hossein Somi, Saeed Nazari Soltan Ahmad, Rasoul Estakhri, Rasoul Sharifi, Mohsen Naghizadeh, **Mohammad Rahmati-Yamchi**. The Effect of Oral Administration of PUFAs on the Matrix Metalloproteinase Expression in Gastric Adenocarcinoma Patients Undergoing Chemotherapy. [Nutr Cancer](#). 2019;71(3):444-451. doi: 10.1080/01635581.2018.1506494. Epub 2019 Jan 8.
10. Shirafkan Kordi, **Mohammad Rahmati-Yamchi**, Mehdi Asghari Vostakolaei, Abolfazl Barzegari, Jalal Abdolalizadeh. Purification of a Novel Anti-VEGFR2 Single Chain Antibody Fragment and Evaluation of Binding Affinity by Surface Plasmon Resonance. [Adv Pharm Bull](#). 2019 Feb;9(1):64-69. doi: 10.15171/apb.2019.008. Epub 2019 Feb 21.
11. Shiva Gholizadeh-Ghaleh Aziz, Zahra Fardiyazar, Fatima Pashaei-Asl, **Mohammad Rahmati-Yamchi**, Khodadad Khodadadi, Maryam Pashaiasl. Human amniotic fluid stem cells (hAFSCs) expressing p21 and cyclin D1 genes retain excellent viability after freezing with (dimethyl sulfoxide) DMSO. [Bosn J Basic Med Sci](#). 2019 Feb 12;19(1):43-51. doi: 10.17305/bjbm.2018.2912.
12. Y Deldar, Y Pilehvar-Soltanahmadi, M Dadashpour, SM Saheb, **M Rahmati-Yamchi**, N Zarghami. An in vitro examination of the antioxidant, cytoprotective and anti-inflammatory properties of chrysin-loaded nanofibrous mats for potential wound healing applications. [Artif Cells Nanomed Biotechnol](#). 2018 Jun;46(4):706-716. doi: 10.1080/21691401.2017.1337022. Epub 2017 Jun 9.
13. Asiyeh Jebelli, Mohammad Khalaj-Kondori, Mortaza Bonyadi, Mohammad Ali Hosseinpour Feizi, **Mohammad Rahmati-Yamchi**. Beta-Boswellic Acid and Ethanolic Extract of Olibanum Regulating the Expression Levels of CREB-1 and CREB-2 Genes. [Iran J Pharm Res](#). 2019 Spring;18(2):877-886. doi: 10.22037/ijpr.2019.1100665.
14. Elahe Naderali, Amir Afshin Khaki, Jafar Soleymani Rad, Alireza Ali-Hemmati, **Mohammad Rahmati**, Hojjatollah Nozad Charoudeh. Regulation and modulation of PTEN activity. [Mol Biol Rep](#). 2018 Dec;45(6):2869-2881. doi: 10.1007/s11033-018-4321-6. Epub 2018 Aug 25.
15. Yaghoub Deldar, Younes Pilehvar-Soltanahmadi, Mehdi Dadashpour, Soheila Montazer Saheb, **Mohammad Rahmati-Yamchi**, Nosratollah Zarghami. An in vitro examination of the antioxidant, cytoprotective and anti-inflammatory properties of chrysin-loaded nanofibrous mats for potential wound healing applications. [Artif Cells Nanomed Biotechnol](#). 2018 Jun;46(4):706-716. doi: 10.1080/21691401.2017.1337022. Epub 2017 Jun 9.

16. Naghmeh Akbarian, Nosratollah Zarghami, Ali Mota, Sima Abediazar, Sina Abroon, Aynaz Mihanfar, Mina Amanzadeh, Akbar Darbin, Hossein Bannazadeh Baghi, **Mohammad Rahmati-Yamchi**. Correlation Between Circulating Visfatin and Nitric Oxide Metabolites Levels in Patients With Diabetic Nephropathy. [Iran J Kidney Dis](#). 2018 May;12(3):163-168.
17. Aynaz Mihanfar, **Mohammad Rahmati-Yamchi**, Ali Mota, Sima Abediazar, Younes Pilehvar-Soltanahmadi, Nosratollah Zarghami. Serum levels of vaspin and its correlation with nitric oxide in type 2 diabetic patients with nephropathy. [Curr Diabetes Rev](#). 2018;14(2):162-167. doi: 10.2174/1573399813666170530103216.
18. Shirafkan Kordi, **Mohammad Rahmati-Yamchi**, Mehdi Asghari Vostakolaei, Ali Etemadi, Abolfazl Barzegari, Jalal Abdolalizadeh. Isolation of a Novel Anti-KDR3 Single-chain Variable Fragment Antibody from a Phage Display Library. [Iran J Allergy Asthma Immunol](#). 2019 Jun 8;18(3):289-299. doi: 10.18502/ijaai.v18i3.1122.
19. Hamed Hajipour, Hamed Hamishehkar, **Mohammad Rahmati-Yamchi**, Dariush Shanehbandi, Saeed Nazari Soltan Ahmad, Akbar Hasani. Enhanced anti-cancer capability of ellagic acid using solid lipid nanoparticles (SLNs). [International Journal of Cancer Management](#) 11 (1).
20. Mina Amanzadeh, Ali Mota, Nosratollah Zarghami, Sima Abedi-Azar, Sina Abroon, Naghmeh Akbarian, Aynaz Mihanfar, **Mohammad Rahmati-Yamchi**. Association Between Matrix Metalloproteinase-3 Activity and Glomerular Filtration Rate and Albuminuria Status in Patients With Type 2 Diabetes Mellitus. [Iran J Kidney Dis](#). 2018 Jan;12(1):40-47.
21. Khatereh Rezazadeh, **Mohammad Rahmati Yamchi**, Leila Mohammadnejad, Mehrangiz Ebrahimi Mameghani, Abbas Delazar. Effects of artichoke leaf extract supplementation on metabolic parameters in women with metabolic syndrome: Influence of TCF7L2-rs7903146 and FTO-rs9939609 polymorphisms. [Phytother Res](#). 2018 Jan;32(1):84-93. doi: 10.1002/ptr.5951. Epub 2017 Nov 29.
22. Mohamad Reza Ashoori, **Mohammad Rahmati-Yamchi**, Alireza Ostadrahimi, Sedigheh Fekri Aval, Nosratollah Zarghami. MicroRNAs and adipocytokines: promising biomarkers for pharmacological targets in diabetes mellitus and its complications. [Biomed Pharmacother](#). 2017 Sep;93:1326-1336. doi: 10.1016/j.biopha.2017.07.059. Epub 2017 Jul 23.
23. Jalil Karnoosh-Yamchi, **Mohammad Rahmati-Yamchi**, Abolfazl Akbarzadeh, Soodabeh Davaran, Ali Reza Ostad Rahimi, Khalil Garnoosh, Zahra Bahmani, Mohammad Ashoori, Majid Mobasser. pH sensitive insulin-loaded nanohydrogel increases the effect of oral insulin in diabetic rats. [Artif Cells Nanomed Biotechnol](#). 2017 Sep;45(6):1-5. doi: 10.1080/21691401.2016.1216859. Epub 2016 Aug 18.

24. Younes Pilehvar-Soltanahmadi, Mohammad Nouri, Mikaël M Martino, Amir Fattahi, Effat Alizadeh, Masoud Darabi, **Mohammad Rahmati-Yamchi**, Nosratollah Zarghami. Cytoprotection, proliferation and epidermal differentiation of adipose tissue-derived stem cells on emu oil based electrospun nanofibrous mat. [Exp Cell Res.](#) 2017 Aug 15;357(2):192-201. doi: 10.1016/j.yexcr.2017.05.015. Epub 2017 May 17.
25. Momeni-Javid Zahra, Hamishekar Hamed, **Rahmati-Yamchi Mohammad**, Zarghami Nosratollah, Abolfazl Akbarzadeh, Milani Morteza. Evaluation and study of antimicrobial activity of nanoliposomal meropenem against *Pseudomonas aeruginosa* isolates. [Artif Cells Nanomed Biotechnol.](#) 2017 Aug;45(5):975-980. doi: 10.1080/21691401.2016.1198362. Epub 2016 Jun 20.
26. Shiva Gholizadeh-Ghaleh Aziz, Ezzatollah Fathi, **Mohammad Rahmati-Yamchi**, Abolfazl Akbarzadeh, Zahra Fardyazar, Maryam Pashaiasl. An update clinical application of amniotic fluid-derived stem cells (AFSCs) in cancer cell therapy and tissue engineering. [Artif Cells Nanomed Biotechnol.](#) 2017 Jun;45(4):765-774. doi: 10.1080/21691401.2016.1216857. Epub 2016 Aug 10.
27. Bahman Akbari, Safar Farajnia, Nosratollah Zarghami, Nejat Mahdieh, **Mohammad Rahmati**, Shiva A Khosroshahi, Abolfazl Barzegar, Leila Rahbarnia. Construction, expression, and activity of a novel immunotoxin comprising a humanized antiepidermal growth factor receptor scFv and modified *Pseudomonas aeruginosa* exotoxin A. [Anticancer Drugs.](#) 2017 Mar;28(3):263-270. doi: 10.1097/CAD.0000000000000452.
28. Leila Eskandari, Abolfazl Akbarzadeh, Nosratollah Zarghami, **Mohammad Rahmati-Yamchi**. Gold nanoprobe-based method for sensing activated leukocyte cell adhesion molecule (ALCAM) gene expression, as a breast cancer biomarker. [Artif Cells Nanomed Biotechnol.](#) 2017 Mar;45(2):277-282. doi: 10.3109/21691401.2016.1146732. Epub 2016 Feb 28.
29. Vajihe Sheikhalizadeh, Alka Hasani, Mohammad Ahangarzadeh Rezaee, **Mohammad Rahmati-yamchi**, Akbar Hasani, Reza Ghotaslou, Hamid Reza Goli. Comprehensive study to investigate the role of various aminoglycoside resistance mechanisms in clinical isolates of *Acinetobacter baumannii*. [J Infect Chemother.](#) 2017 Feb;23(2):74-79. doi: 10.1016/j.jiac.2016.09.012. Epub 2016 Nov 23.
30. MH Somi, **M Rahmati-Yamchi**, Y Sharifi, T Kafshdooz, M Milani. Evaluation of frxA and rdxA gene mutations in clinical metronidazole resistance *Helicobacter pylori* isolates. [Tropical Biomedicine](#) 34 (2), 346-351.
31. Ali Akbar Poursadegh Zonouzi, Mohammad Shekari, Azim Nejatizadeh, Samira Shakerizadeh, Hedieh Fardmanesh, Ahmad Poursadegh Zonouzi, **Mohammad Rahmati-Yamchi**, Majid Tozihi. Impaired expression of Drosha in breast cancer. [Breast Dis.](#) 2017;37(2):55-62. doi: 10.3233/BD-170274.

32. Bakhtiar Tartibian, Zeinab Sheikhlou, Abbas Malandish, **Mohammad Rahmati Yamchi**, Rogayee AfsarGarebag. Effect of moderate-intensity aerobic training on alkaline phosphatase gene expression and serum markers of bone turnover in sedentary postmenopausal women. [Tehran University Medical Journal](#) 74 (10), 723-734.
33. M Majidinia, E Alizadeh, B Yousefi, M Akbarzadeh, A Mihanfar, **M Rahmati-Yamchi**, N Zarghami. Co-inhibition of notch and nf- κ b signaling pathway decreases proliferation through downregulating ikb- α and hes-1 expression in human ovarian cancer OVCAR-3 cells. [Drug Res \(Stuttg\)](#). 2017 Jan;67(1):13-19. doi: 10.1055/s-0042-115405. Epub 2016 Sep 29.
34. Mohammad Khalaj-Kondori, Farzaneh Sadeghi, Mohammad Ali Hosseinpourfeizi, Farzam Shaikhzadeh-Hesari, Aylar Nakhband, **Mohammad Rahmati-Yamchi**. Boswellia serrata gum resin aqueous extract upregulates BDNF but not CREB expression in adult male rat hippocampus. [Turk J Med Sci](#). 2016 Nov 17;46(5):1573-1578. doi: 10.3906/sag-1503-43.
35. Bahman Akbari, Safar Farajnia, Nosratollah Zarghami, Nejat Mahdieh, **Mohammad Rahmati**, Shiva Ahdi Khosroshahi, Leila Rahbarnia. Design, expression and evaluation of a novel humanized single chain antibody against epidermal growth factor receptor (EGFR). [Protein Expr Purif](#). 2016 Nov;127:8-15. doi: 10.1016/j.pep.2016.06.001. Epub 2016 Jun 11.
36. Shivadokht Askari, Roya Salehi, Nosratallah Zarghami, Abolfazl Akbarzadeh, **Mohammad Rahmati-yamchi**. The anticancer effects of biodegradable nanomagnetic dual natural components on the leptin gene expression in lung cancer. [Artif Cells Nanomed Biotechnol](#). 2016 Nov;44(7):1753-63. doi: 10.3109/21691401.2015.1101000. Epub 2015 Nov 22.
37. Nasser Ahmadian, Roghiyeh Pashaei-Asl, Nasser Samadi, **Mohammad Rahmati-Yamchi**, Mohammad-Reza Rashidi, Masomeh Ahmadian, Moosa Esmaeili, Faezeh Salamat, Sima Besharat, Hamid Reza Joshaghani. Hesa-a effects on cell cycle signaling in esophageal carcinoma cell line. [Middle East J Dig Dis](#). 2016 Oct;8(4):297-302.
38. Farhad Jahanfar, Akbar Hasani, Dariush Shanebandi, **Mohammad Rahmati**, Hamed Hamishehkar. Enhanced in vitro anti-tumor activity of 5-azacytidine by entrapment into solid lipid nanoparticles. [Adv Pharm Bull](#). 2016 Sep;6(3):367-375. Epub 2016 Sep 25.
39. Nasser Ahmadian, Roghiyeh Pashaei-Asl, Masomeh Ahmadian, **Mohammad Rahmati-Yamchi**, Saed Shahabi, Hossein Vazini. Immune response of newborn BALB/c mice to Cryptosporidium infection. [J Parasit Dis](#). 2016 Sep;40(3):1066-70. doi: 10.1007/s12639-014-0635-z. Epub 2014 Dec 20.
40. Hadis Daraee, Mohammad Pourhassanmoghadam, Abolfazl Akbarzadeh, Nosratollah Zarghami, **Mohammad Rahmati-Yamchi**. Gold nanoparticle–oligonucleotide

conjugate to detect the sequence of lung cancer biomarker. [Artif Cells Nanomed Biotechnol.](#) 2016 Sep;44(6):1417-23. doi: 10.3109/21691401.2015.1031905. Epub 2015 Apr 17.

41. Alka Hasani, Vajihe Sheikhalizadeh, Mohammad Ahangarzadeh Rezaee, **Mohammad Rahmati-Yamchi**, Akbar Hasani, Reza Ghotaslou, Hamid Reza Goli. Frequency of Aminoglycoside-Modifying Enzymes and ArmA Among Different Sequence Groups of *Acinetobacter baumannii* in Iran. [Microb Drug Resist.](#) 2016 Jul;22(5):347-53. doi: 10.1089/mdr.2015.0254. Epub 2016 Jan 18.
42. Mohammad khalajkondori, Mahboobeh Kavooosi, **Mohammad Rahmati-Yamchi**, Mehdi Kadivar. Preparation of a transferrin-targeted M13-based gene nanocarrier and evaluation of its efficacy for gene delivery and expression in eukaryote cells. [Turkish Journal of Biology](#) 40 (3), 561-570.
43. Kordi S, Zarghami N, Akbarzadeh A, **Rahmati YM**, Ghasemali S, Barkhordari A, Tozihi M. Inhibitory effects of Helenalin on hTERT gene expression in breast cancer cell line by Real-time PCR. [Artif Cells Nanomed Biotechnol.](#) 2016;44(2):695-703. doi: 10.3109/21691401.2014.981270. Epub 2014 Dec 1.
44. Vahideh Zeighamian, Masoud Darabi, Abolfazl Akbarzadeh, **Mohammad Rahmati-Yamchi**, Nosratollah Zarghami, Fariba Badrzadeh, Roya Salehi, Fatemeh Sadat Tabatabaei Mirakabad, Mortaza Taheri-Anganeh. PNIPAAm-MAA nanoparticles as delivery vehicles for curcumin against MCF-7 breast cancer cells. [Artif Cells Nanomed Biotechnol.](#) 2016;44(2):735-42. doi: 10.3109/21691401.2014.982803. Epub 2015 Mar 30.
45. Shirafkan Kordi, Nosratollah Zarghami, Abolfazl Akbarzadeh, **Yamchi Mohammad Rahmati**, Somaye Ghasemali, Amin Barkhordari, Majid Tozihi.
A comparison of the inhibitory effect of nano-encapsulated helenalin and free helenalin on telomerase gene expression in the breast cancer cell line, by real-time PCR. [Artif Cells Nanomed Biotechnol.](#) 2016;44(2):695-703. doi: 10.3109/21691401.2014.981270. Epub 2014 Dec 1.
46. Fariba Badrzadeh, **Mohammad Rahmati-Yamchi**, Kazem Badrzadeh, Alireza Valizadeh, Nosratollah Zarghami, Samad Mussa Farkhani, Abolfazl Akbarzadeh. Drug delivery and nanodetection in lung cancer. [Artif Cells Nanomed Biotechnol.](#) 2016;44(2):618-34. doi: 10.3109/21691401.2014.975237. Epub 2014 Nov 11.
47. Fatemeh Sadat Tabatabaei Mirakabad, Abolfazl Akbarzadeh, Morteza Milani, Nosratollah Zarghami, Mortaza Taheri-Anganeh, Vahideh Zeighamian, Fariba Badrzadeh, **Mohammad Rahmati-Yamchi**. A Comparison between the cytotoxic effects of pure curcumin and curcumin-loaded PLGA-PEG nanoparticles on the MCF-7 human breast cancer cell line. [Artif Cells Nanomed Biotechnol.](#) 2016;44(1):423-30. doi: 10.3109/21691401.2014.955108. Epub 2014 Sep 17.

48. Yousef Rasmi, MH Seyyed Mohammadzadeh, Maryam Majidinia, E Khademy, F Khosravifar, R Hajhosseini, **M Rahmati Yamchi**, E Saboory, S Seidi Shirvani. Lack of Association Between Lipid and Lipoprotein Profile and Menopause Status in Women with Cardiac Syndrome X. [Philippine Journal of Science](#) 145 (2), 121-125.
49. Sina Abroon, Nosratollah Zarghami, Sima Abedi-Azar, Amir Fattahi, Jalal Gharesouran, Mina Amanzadeh, Naghmeh Akbarian, Aynaz Mihanfar, **Mohammad Rahmati-Yamchi**. Association of Leptin-2548G/A polymorphism with diabetic nephropathy in Iranian Azeri Turkish patients. [INTERNATIONAL JOURNAL OF ADVANCED BIOTECHNOLOGY AND RESEARCH](#) 7 (4), 2120-2130.
50. **Mohammad Rahmati-Yamchi**, Nosratollah Zarghami, Hojjatollah Nozad Charoudeh, Yasin Ahmadi, Behzad Baradaran, Mohammad Khalaj-Kondori, Morteza Milani, Abolfazl Akbarzadeh, Maghsud Shaker, Mohammad Pourhassan-Moghaddam. Clofarabine has apoptotic effect on T47D breast cancer cell line via P53R2 gene expression. [Adv Pharm Bull](#). 2015 Nov;5(4):471-6. doi: 10.15171/apb.2015.064. Epub 2015 Nov 30.
51. Ali Akbar Poursadegh Zonouzi, Azim Nejatizadeh, **Mohammad Rahmati-Yamchi**, Hedieh Fardmanesh, Samira Shakerizadeh, Ahmad Poursadegh Zonouzi, Kazem Nejati-Koshki, Mohammad Shekari. Dysregulated expression of Dicer in invasive ductal breast carcinoma. [Med Oncol](#). 2015 Jul;32(7):203. doi: 10.1007/s12032-015-0643-6. Epub 2015 Jun 16.
52. Morteza Milani, Yaeghob Sharifi, **Mohammad Rahmati-Yamchi**, Mohammad H Somi, Abolfazl Akbarzadeh. Immunology and vaccines and nanovaccines for Helicobacter pylori infection. [Expert Rev Vaccines](#). 2015 Jun;14(6):833-40. doi: 10.1586/14760584.2015.1008460. Epub 2015 Feb 3.
53. Peyman Ranji, Abolfazl Akbarzadeh, **Mohammad Rahmati-Yamchi**. Associations of probiotics with vitamin D and leptin receptors and their effects on colon cancer. [Asian Pac J Cancer Prev](#) 16 (9), 3621-7.
54. Sina Mohammadinejad, Abolfazl Akbarzadeh, **Mohammad Rahmati-Yamchi**, Saeid Hatam, Saeed Kachalaki, Sanaat Zohreh, Nosratollah Zarghami. Preparation and evaluation of chrysin encapsulated in PLGA-PEG nanoparticles in the T47-D breast cancer cell line. [Asian Pac J Cancer Prev](#). 2015;16(9):3753-8.
55. Habib Onori, **Mohammad Rahmati**, Davood Fazli. A novel de novo dominant mutation in GJB2 gene associated with a sporadic case of nonsyndromic sensorineural hearing loss. [Iranian journal of public health](#) 43 (12), 1710.
56. Mohammad Pourhassan-Moghaddam, Nosratollah Zarghami, Afshin Mohsenifar, **Mohammad Rahmati-Yamchi**, Hadis Daraee, Miguel de la Guardia, Shahram Ahmadian. Gold Nanoprobe-Based Detection of Human Telomerase Reverse Transcriptase

- (hTERT) Gene Expression. [IEEE Trans Nanobioscience](#). 2015 Jun;14(4):485-490. doi: 10.1109/TNB.2014.2365256. Epub 2014 Nov 26.
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Meetings and Conferences:

1. Allameh A, Dadkhah A, Fatemi F, Rahmati M “Antioxidant activity of plasma bilirubin protects against drug-induced oxidative stress in growing rat liver” 8th Iranian congress of Biochemistry & Molecular Biology, September 11-15, 2005, Tehran, Iran.
2. Rasmi Y, Allameh A, Nasser S, Tavangar M, Frouzande M, Zargari M, Rahmati M, Dadkhah A, Fatemi F ”Glutathione S-Transferase expression in matched human normal, precancerous and malignant esophagus mucosa” 8th Iranian congress of Biochemistry & Molecular Biology, September 11-15, 2005, Tehran, Iran.
3. Allameh A, Dadkhah A, Fatemi F, Islamifar Z, Rahmati M “Role of plasma bilirubin and superoxide dismutase in erythrocytes in elevation of total antioxidant activity of plasma in growing rats intoxicated with acetaminophen” 30th FEBS Congress, 2005.

4. Fatemi F, Kazemnejad S, Dadkhah A, Rahmati M and Allameh A “Differential effects of acetaminophen and aflatoxin B1 on expression of liver class-p-glutathione s-transferase in growing rats” 8th Iraninan congress of Biochemistry & Molecular Biology, Septamber 11-15, 2005, Tehran, Iran.
5. Rahmati M, Allameh A, Rasma T, Dadkhah A ; Age dependent changes in hepatic microsomal CYP450 1A1 in rats treated with acetaminophen” 9th Iraninan congress of Biochemistry & 2th Molecular Biology, Oct 29- Nov.1, 2007, Shiraz, Iran.
6. Rahmati M. Allameh A. and Rasmi Y “Comparsion of ethoxy resorfin-O-deethylase activity of liver microsomal cytochrome P450 in growing and adult rats treated with Beta naphthoflavone” Biology Congress in Marand, Iran, 2007.
7. Zeighami H, Rahmati M, Bannazadeh H and Khalaj M “Evaluating of salmonella effects isolated from foods”. Medocal Science Congress, Zahedan, Iran, 2005.
8. Bannazade H, Najavand S, Mota A, Zeighami H and Rahmati M “Antibacterial effects of different extracts of *Salvia sahendica* on the *E.coli* and *Staphylococcus*” Medical Science Congress, Zahedan, Iran, 2005.
9. Bannazade H, Najavand S, Zeighami H and Rahmati M “Antibacterial effects of different extracts of *Stakhis* on the some pathogenic” Medical Science Congress, Zahedan, Iran, 2005.
10. Zighami H, Rahmati M, Mota A and Sattari M “Evaluation of ureaplasma urealyticum mycoplasma hominis in women with abortion by PCR” Medical Science Congress, Mashhad, Iran, 2005.
11. Rahmati M, Zeighami H, Bannazadeh H, Khalaj M and Zavvar M “DNA vaccines; the new outlook in cure of diseases” Medical Science Congress, Sari, Iran, 2004.
12. Khalaj M and Rahmati M “Proteomics and its usage in breast cancer diagnosis” Oncology and Gynecology Congress, Isfahan, Iran, 2005.
13. Pourhassan M, Rahmati M, Alibakhshi A, Ranjbari J, Arezoomand R, Zarghami N. In vitro cytotoxic effect of *Curcuma longa* n-hexane extract on None-Small Cell Lung Cancer. The 6th National biotechnology congress of Iran, 13-15 August 2009, Tehran, Iran (poster accepted).
14. Alibakhshi A, Zarghami N, Rahmati M, Ranjbari J, Pourhassan M, Arezoomand R. Correlation between serum Zinc and Copper with telomerase gene expression in lung

cancer patients. The 6th National biotechnology congress of Iran, 13-15 August 2009, Tehran, Iran (poster accepted)

15. Ranjbari J, Zarghami N, Asgharzadeh M, Rahmati M, Alibakhshi A, Pourhassan M, Arezoomand R. The evaluation of cytotoxic effect of *Curcuma longa* total extract on epithelial-like breast cancer cell line (T47D). The 6th National biotechnology congress of Iran, 13-15 August 2009, Tehran, Iran (poster accepted).

16. Arezoomand R, Zarghami N, Asgharzadeh M, Ranjbari J, Rahmati M, Alibakhshi A, Pourhassan M. Inhibition of breast cancer cells growth by *Curcuma longa* total extract. The 6th National biotechnology congress of Iran, 13-15 August 2009, Tehran, Iran (poster accepted).

17. Zarghami N, Pourhassan M, Rahmati M, Alibakhshi A, Arezoomand R, Ranjbari J. Anti-growth effect of n-hexane total extract of *Curcuma longa* on cell line A549. 10th Iranian Congress of Biochemistry and the 3rd International Congress of Biochemistry and Molecular Biology, 2009, Tehran, Iran (Oral accepted).

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19. Rahmati M, Tahmasebzade F, Mohammadzadeh N, Fazli D. Use of surgical and molecular therapy continuously for Gastrointestinal tumor Introduction. 10th Iranian Congress of Biochemistry and the 3rd International Congress of Biochemistry and Molecular Biology, 2009, Tehran, Iran (Poster accepted).

20. Mohamad Rahmati, Hosein Bannazadeh, Davood Fazli, Yousef Rasmi, Reza Badalzadeh. Long fasting dependent changes in the serum levels of cholesterol, Triglyceride, HDL-c, LDL-c, estrogen and progesterone in young women during Ramadan. 10th Iranian Congress of Biochemistry and the 3rd International Congress of Biochemistry and Molecular Biology, 2009, Tehran, Iran (Oral accepted).

21. Sadeghi Z, Zarghami N, Rahmati M, Pourhasan M, Davoudi Z, Kazemi M, Alipour. Cytotoxicity effect of *Nasturtium officinale* (watercress) on the growth of Lung cancer cell line (A549). 12th Iranian Congress of Toxicology, 2013, Sari, Iran (oral accepted)

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23. Rahmati Mohammad, hareghomi Somayyeh, Haddadchi Gholamreza, Darushnejad Hassan. Inhibition of hTERT gene reexpression and growth of lung cancer cell line (A549) by 13th Iranian Congress of Biochemistry & 5th 2013, Yazd, Iran (poster accepted).

24. Cancer retreat. 2010, Stockholm, Sweden.

Bioinformatics Skills

Bioinformatics and Genetics data analysis, RNA-Seq bioinformatics tools, MEGA, Data Analysis software's including SPSS, pairwise alignment, multiple alignment, primer designing (OLIGO, Gene Runner), Chem draw, SNP analysis tools (such as webcutter, nebcutter),

Wetlab Skills

- *Molecular Technology Including:*
Extraction and Manipulation of DNA/ RNA/Protein, Transformation, Transfection, Gene Cloning.
- *Diagnostic Systems such as:*
PCR Based Technology (Real-Time PCR, PCR, RT-PCR, PCR-RFLP, SSCP, ASO), and Radio Immunoassay Techniques (ELISA),
- *Molecular Detection Systems Including:*
DNA/RNA/Protein Assays & Electrophoresis and enzyme kinetic assays.
- Cell culture
- Tumor induction

- Other systems including:
Ultra-centrifuge, Flourimetry, Dialysis, FRAP , TRAP, and EROD assays.

Certified Training

- Web based search course. Tabriz University of Medical Sciences (2013).
- Workshop on protein folding simulation and modeling. Tabriz University of Medical Sciences, (2012)
- Workshop on molecular biology and genetic techniques. Shahid Chamran University. Ahwaz, Iran, (2001).
- Workshop on Real Time PCR technique. 9th Iranian Congress of Biochemistry and the 2rd International Congress of Biochemistry and Molecular Biology, Shiraz, (2007).
- Academic English language course. Tabriz University of Medical Sciences (2012).

Awards:

- The best teacher prize in Faculty of Advanced Medical Sciences in Tabriz University of Medical Sciences (2012).

Personal Details

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