

Curriculum Vitae

Personal Information:

- ❖ **First name and last name:** Mona Salimi
- ❖ **Language:** Persian, English, French
- ❖ **Mailing Address:** Physiology & Pharmacology Department, Pasteur institute of Iran, Tehran, Iran
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Education:

- ❖ Pharm.D. Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran, (1993-1998).
- ❖ Ph.D. Faculty of Pharmacy, Tehran University of Medical Sciences (1999-2005).
- ❖ Postdoc at Department of Medicinal Chemistry, University of Alberta, Canada (2003-2004).
- ❖ Faculty member in Pasteur Institute (since 2006).

Honor and Awards:

- ❖ Top student in board exam in Ph.D. (2001).
- ❖ As one of the 3 top students in Pharm.D. (1998).
- ❖ Awarded a scholarship by the Ministry of Health and Medical Education (2003).

Teaching:

- ❖ Teaching: instrumental analysis, electrochemistry, protein chemistry, pharmacology and molecular biology courses to Ph.D. students of medical and pharmaceutical biotechnology of Pasteur Institute of Iran and Tehran University of Medical Sciences.

Position and occupation:

- ❖ Faculty member of Pasteur Institute of Iran (Assistant Professor: 2006-2015; Associate Professor: 2016-2021; Professor: since 2021).

❖ Supervision of Ph.D. , Pharm.D. and M. Sc. students since 2006.

Congress:

1. Raheleh Tahmasvand, Amirabbas Rahimi, Saeed Irian, Mona Salimi. Small extracellular vesicles derived from cancer cells modulate breast cancer patients' immune system via affecting , Th1/Th2 and T-reg cells. ISEV 2024, 9-12 May, Melbourne, Australia.
2. Abdulwahab Teflisch Gharavi, Keykavous Parang, Saeed Irian, Mona Salimi. In vivo and in vitro studies on the role of sEVs as a drug delivery system in breast cancer; a systematic review. ISEV 2024, 9-12 May, Melbourne, Australia.
3. Abdulwahab Teflisch Gharavi, Azadeh Niknejad, Saeed Irian, Morteza Karimipour, Mona Salimi. Optimization of RNA extraction method from MCF-7 cells-derived exosomes. 5th International and 17th Iranian Genetic Congress, 6-8 March 2023, Tehran, Iran.
4. Mona Salimi, Ali Almasirad, Zahra Kooshafar, Soodeh Dehghani, Raheleh Tahmasvand. Promising anti-breast cancer activity of a novel analogue of 4-thiazolidinones via apoptosis induction in in vitro and in vivo models. 14th International Congress of medical lab and clinic, 2-4 February 2023, Tehran, Iran.
5. Mona Salimi, Elnaz Shirmohammadi, Farnaz Barneh. Evaluating the role of microenvironment in efficacy of Etanercept. 7th International congress of molecular biology association of Turkey, September 2019, Istanbul, Turkey.
6. Fatemeh Davoodi Roodbordeii, Minoo Afshar, Samira Choopani, Fatemeh Haji Abbas Tabrizi, Marzieh Dehghan Shahraneh, Mona Salimi. Evaluation of In Vivo Wound Healing Activity of Fumaria Vaillantii Total Extract on Different Wound Models in Rats. 1st International and 3rd national congress of wound and tissue repair. October 2016, Tehran, Iran.
7. Mona Salimi, Khadijeh Moradi, Farnaz Barneh, Saeed Irian, Amir Amanzadeh. COX-2 inhibitor derivatives reduce MDA-MB-231 invasiveness induced by mesenchymal stem cells. 2nd World congress on controversies in breast cancer, September, 2016, Barcelona, Spain.
8. Farnaz Barneh, Mona Salimi, Mohieddin Jafari. Stromal Cell Secretome Reveals the Mechanism Underlying Acquired Doxorubicin Resistance: A Systems Pharmacology Approach. 2nd Interdisciplinary Signaling Workshop, Hungary, 2017.
9. Zahra Kooshafar, Mona Salimi, Ameneh Javid. Evaluating the anticancer effect of 2-(phenylthio)benzoic acid (5-nitro-2-furyliedene) hydrazide in Balb/c mouse model. The 1st International Congress of IAP's Iranian Division with Focus on Recent Updates in Prevention, Diagnosis and Treatment of Breast Cancer, 2016, Tabriz, Iran.

10. Soudeh Dehghani, Narges Nikoo Nahad, Mona Salimi. Evaluating the anticancer effect of (N'-((5-nitrothiophen-2-yl)methylene)-2(phenylthio)benzohydrazide in Balb/c mouse model. The 1st International Congress of IAP's Iranian Division with Focus on Recent Updates in Prevention, Diagnosis and Treatment of Breast Cancer, 2016, Tabriz, Iran.
11. Mona Salimi, Khatereh abdi, Hirs Mostafapour, Hassan Hadadzadeh, Amir Amanzadeh. Apoptosis induced by two copper(II)-polypyridil complexes in breast cancer. Euro Med lab, 21-25 Jun, Paris, 2015.
12. Misha Salimi, Hirs Mostafapour, Amir Amanzadeh, Noushin Rastkari, Mona Salimi. Anticancer and apoptotic effects of ethylacetate fraction obtained from *Anthemis nobilis*. Euro Med lab, 21-25 Jun, Paris, 2015.
13. Mona Salimi, Mohsen Amini, Amir Amanzadeh, Mahnaz Norouzi, Shaghayegh Norouzi, Ahoo Afsharinasab, Farnaz Barneh, Khadijeh Moradi, Saeed Irian. New COX-2 inhibitor derivatives as potent anti-cancer agents. International Physiology and Pharmacology congress, 7-11 Sept 2015.
14. Mona Salimi, Shaghayegh Norouzi, Mahnaz Norouzi, Mohsen amini, Amir Amanzadeh. COX-2 independent induction of apoptosis by two synthetic COX-2 inhibitors in breast cancer cell line. European associated cancer research 23, 5-8 July, 2014.
15. Misha Salimi, Nastaran Gheisarzadeh, Kayhan Azadmnaesh, Noushin Rastkari, Mona Salimi. Antiproliferative effects of different fractions obtained from *Anthemis nobilis* leaves on human oral cancer cell. European associated cancer research 23, 5-8 July, 2014.
16. Mona Salimi, Mahnaz Norouzi, Kayhan azadmanesh, Amir Amanzadeh, Hassan sanati, Hirs Mostafapour, Saeed Irian, Mohsen Amini. COX-2 inhibitors prevent proliferation of breast cancer cells by inducing apoptosis. 5th BBBB international congress, 26-28 Sept. Athen, 2013.
17. Shaghayegh Norouzi, Mahnaz Norouzi, Saeed Irian, Hirs Mostafapour Kandelous, Mohamad Nabiuni , Mona Salimi. Evaluation of apoptosis induced by COX-2 inhibitors in leukemia and breast cancer cells. 21th International Iranian Congress of Physiology and Pharmacology, 23-27 August Tabriz, 2013.
18. Nooshin Rastkari, Reza Ahmadkhaniha, Mohammad reza Yunesian, Mona Salimi. Sensitive HS-SPME-GC-MS determination of haloacetic acids in human urine using single-walled carbon nanotubes as adsorbent. 29th International Symposium on chromatography, 9-13 September, Poland, 2012.
19. Mahnaz Noroozi, Hirs Mostafapour, Amir Aamnzadeh, Keyhan Azadmanesh, Saeed Irian, Mona salimi. DNA cleavage and anti-proliferative activity of COX-2 inhibitor derivatives on human breast adenocarcinoma and chronic myeloid leukemia cells. Research in Pharmaceutical Sciences, International of Pharmaceutical Science, Isfahan, 2012, 7(5).

20. Hirsa Mostafapour, Mahnaz Norouzi, Zahra Shahhosseini, Soheil Ghasemi , Mona Salimi. Evaluation of oxidative DNA cleavage of copper (II) complexes as chemotherapeutic agents. Research in Pharmaceutical Sciences, International of Pharmaceutical Science, Isfahan, 2012, 7(5).
21. Mona Salimi, Masoumeh Esfahani, Narcis Habibzadeh, Hamid Reza Aslani, Amir Amanzadeh, Mohammad Hossein Ghahremani. Assesment of celecoxib in inhibition of nicotine-induced invasion of human oral squamous cancer cells. Research in Pharmaceutical Sciences, International of Pharmaceutical Science, Isfahan, 2012, 7(5).
22. Khatereh Abdi, Hassan Hadadzadeh, Mona Salimi. Antitumor activity of a mononuclear copper(II) complex with polypyridyl ligands, [cu(tpy)(dppz)]²⁺: DNA binding and in vitro cell cytotoxicity. Research in Pharmaceutical Sciences, International of Pharmaceutical Science, Isfahan, 2012, 7(5).
23. Mona Salimi, Mohammad Hassan Ardestanian, Zahra Sepahdar, Soudabeh Saeednia, Ahmad Reza Gohari, Keyhan Azadmanesh, Amir Amanzadeh. Bioactivity guided isolation of anticancer constituents from leaves of Juglans regia, Biomedical Papers, International of Anticancer Drugs, June 30-July 4, 2012, Olomouc, Czech.
24. Misha Salimi, Nastaran Gheisarzadeh, Amir Amanzadeh, Keyhan Azadmanesh, Noushin Rastkari, Mona Salimi. Cytotoxicity effects of Anthemis nobilis leaves extract in oral human cancer cell line. Biomedical Papers, International of Anticancer Drugs, June 30-July 4, 2012, Olomouc, Czech.
25. Mona Salimi, Masoumeh Esfahani, Nooshin Rastkari, Bita Sedaghati, Mohammad Hossein Ghahremani. Effect of celecoxib on P-ERK, COX-2, PGE2 and VEGF expression in oral cancer in presence and absence of nicotine. Journal of Biotechnology, 150 S(2010) S1- S576.
26. Minoo Hamraz, Mona Salimi, Masoumeh Esfahani, Bita Sedaghati, Hamid Reza Aslani, Azadeh Bazarchi. Nicotine effect on P-ERK, COX-2, PGE2 and VEGF expression in oral squamous cancer. Journal of Biotechnology, 150 S(2010) S1- S576.
27. Noushin Rastkari, Nasrin Samadi, Mona Salimi, Dina Dalili, Reza Ahmadkhaniha. Cytotoxic effects, apoptosis induction and cell cycle alterations in HT29 cells and T47D cells treated with Prodigiosin purified from Serratia marcescens. Journal of Biotechnology, 150 S(2010) S1- S576.
28. Noushin Rastkari, Nasrin Samadi, Mona Salimi, Reza Ahmadkhaniha. Antimicrobial and free radical- scavenging activity of Iranian Hyssopus Officinalis which contain flavonoid pigments. IPSC 2010, 12th Iranian Pharmaceutical Sciences Congress, 2-5 August 2010, Zanjan, IRAN.

29. **Mona Salimi**, Ahmad Majd, Zahra Sepahdar, Mohammad Hossein Hedayati, Mohammad Atyabi. Antiproliferative activity of Juglans regia leaf extracts on cancer cell lines. IPSC 2010, 12th Iranian Pharmaceutical Sciences Congress, 2-5 August 2010, Zanzan, IRAN.
30. **Mona Salimi**, Faeghe Rezaee, Mohammad Hossein Ghahremani, Behrouz Vaziri. Proteomics Reveals Proteins in Celecoxib-Treated Macrophage Cells. IPSC 2010, 12th Iranian Pharmaceutical Sciences Congress, 2-5 August 2010, Zanzan, IRAN.
31. **Mona Salimi**, Bita Sedaghati, Masoumeh Esfahani, Mohammad Hossein Hedayati. VEGF Expression Determination in Oral Squamous Cancer Cell Line (BHY) Stimulated by Nicotine in Presence and Absence of Celecoxib as Selective COX-2 Inhibitor. IPSC 2010, 12th Iranian Pharmaceutical Sciences Congress, 2-5 August 2010, Zanzan, IRAN.
32. **Mona Salimi**, Faegheh Rezaee, Soudabeh Akbarzadeh, Mohammad Hossein Ghahremani, Behrouz Vaziri. Proteomic analysis of macrophages stimulated by lipopolysaccharide and treated with celecoxib as selective COX-2 inhibitor. HUPO 16 -22th August 2008, Amestrdam, Netherland.
33. **Mona Salimi**, Maryam Mardaneh, Mohammad Atyabi, Azim Akbarzadeh, Mohammad Reza Mehrabi, Ali Farhangi. High Performance liquid chromatography identification of Desferrioxamine B:produced by Streptomyces Pilosus. 11th Iranian Pharmaceutical Sciences Conference (Iranian Journal of Pharmaceutical Sciences 2008, 1(3), supplement 1), 18-21th August 2008, Kerman, Iran.
34. **Mona Salimi**, Nazanin Abdipour, Parisa Sarkheil. Extraction and purification of trehalose as vaccines' and recombinants' stabilizer. 11th Iranian Pharmaceutical Sciences Conference (Iranian Journal of Pharmaceutical Sciences 2008, 1(3), supplement 1), , 18-21th August 2008, Kerman, Iran.
35. **Mona Salimi**, Forough Khadem, Hosein Zare Maivan. Extraction, Isolation and identification of alkaloids from two Berberis Species from Khorasan. Duphat International Pharmaceutical & Technologies Conference, 10-12th March 2008, Dubai, United Arab Emirates.
36. **Mona Salimi**, Nazanin Abdipour, Ladan Pourabdi, Maryam Shahali, Mohammad Atyabi, Parisa Sarkhail, Minoo Hamraz. Production of trehalose from plant in comparison with other sources in market. CSPS Annual Meeting, 30 May to Jun 2^{end} 2007, Montreal, Canada.
37. **Mona Salimi**, Ladan Pourabdi, Nazanin abdipour, Maryam Zakeri, Behrouz Vaziri, Rasoul Mookhah, Tahereh Sadeghchah, Mohammad Mahmoodi Hashemi. Development of a simple & rapid HPLC method for purification of phenolic glycolipids of Mycobacterium Bovis. European Symposium of Organic Chemistry, 8-13th July 2007, Dublin, Ireland.

38. Mona Salimi, Mohammad Hossein Ghahremani, Nima Naderi, Mohsen Amini, Erika Salimi, Massoud Amanlou, Khosrou Abdi, Raha Salehi, Abbas Shafiee. Invitro and Invivo evaluation of 4-[2-alkylthio-5 (4)-(4-substitutedphenyl) imidazole-4 (5)-yl] benzenesulfonamides as selective COX-2 inhibitors. The 9th Iranian Congress of Toxicology(Journal of Iranian Pharmaceutical Sciences, 3(2), 2007, supplement 1), 15-17th May 2007, Shiraz, Iran.
39. Mona Salimi, Abbas Shafiee, Mohsen Amini, Mohammad Hossein Ghahremani, Naser Ostad. Synthesis and biological evaluation of 4-[2-alkylthio-5 (4)-(4-substitutedphenyl) imidazole-4 (5)-yl] benzenesulfonamides as selective COX-2 inhibitors. Joint Meeting on Medicinal Chemistry, Jun 20th to Jun 23rd 2005, P-S77, Vienna, Austria.
40. Abbas Shafiee, Mohsen Amini, Mona Salimi. Synthesis of 2-alkylthio-4- (4-aminosulfonylphenyl)-5-aryl-1h-imidazoles. 21st International Symposium on the Organic Chemistry of Sulfur ISOCs-XXI, 4-9th July 2004, P-63, Madrid, Spain.
41. Raha Salehi, Mona Salimi, Mohsen Amini, Seyyed Naser Ostad, Abbas Shafiee, Mohammad Hossein Ghahremani. Evaluation of COX-2 inhibitors of newly synthesized compounds using an enzymatic assay. 16th Iranian Congress of Physiology and Pharmacology, 9-13th May 2003, P-272, Tehran, Iran.
42. Abbas Shafiee, Narges Yasa, Mona Salimi. Extraction, isolation and identification of alkaloids of *Heliotropium Dissitiflorum*. 7th Iranian Organic Chemistry Conference, 12-13th Sept. 1999, P-206, Tehran, Iran.

Publications:

1. Abbas Shafiee, Mona Salimi, Hassan Farsam, Narges Yasa. Pyrrolizidine alkaloids from *Heliotropium Dissitiflorum* Bioss. *DARU*, 2003; 10(4); 168-170.
2. Mona Salimi, Mohsen Amini, Abbas Shafiee. Syntheses of 2-Alkylthio- (4,5-Diaryl) imidazoles. *Phosphorus, Sulfur, and Silicon*, 2005; 180; 1587-1592.
3. Mona Salimi*, Mohammad Hossein Ghahremani, Nima Naderi, Mohsen Amini, Erika Salimi, Massoud Amanlou, Khosrou Abdi, Raha Salehi, Abbas Shafiee. Design, Synthesis and pharmacological evaluation of 4-[2-alkylthio-5 (4)-(4-substituted Phenyl) imidazole-4 (5) yl] benzenesulfonamides as Selective COX-2 Inhibitors. *Acta pharmacologica Sinica*, 2007, 28(8):1254-1260.
4. Mona Salimi*, Ladan Abdipour, Maryam Zakeri, Behrouz Vaziri, Nazanin Abdipour. Separation of phenolic glycolipids in *Mycobacterium Bovis* BCG by reversed-phase high performance liquid chromatography. *Pakistan Journal of Pharmaceutical Sciences*, 2009, 22(2):145-9.

5. Faegheh Rezaee, Mona Salimi*, Mohammad Hossein Ghahremani, Behrouz Vaziri. Potential molecular targets in chemopreventative action of celecoxib: a proteomics analysis of J774.A1 macrophage-like cell line. *Molecular Biosystem*, 2011, 7(4), 1306-11.
6. Parisa Miralinaghi, Mona Salimi, Sara Shirmohammadali, Mohsen amini. Synthesis and cytotoxicity evaluation of diarylpyrazine and dihydropyrazine derivatives. *International Journal of Pharma and Bio Sciences*, 2011, 2(3), 60-64.
7. Mona Salimi*, Ahmad Majd, Zahra Sepahdar, Keyhan Azadmanesh, Mohammad Atyabi, Saeed Irian, Mohammad Hassan Ardestaniyan ,Mohammad Hossein Hedayati, Noushin Rastkari. Cytotoxicity Effects of Various *Juglans regia* L. (Walnut) Leaf Extracts in Human Cancer Cell Lines. *Pharm Biol*, 2012, 50(11), 1416-1422.
8. Reza Ahmadkhaniha, Nasrin Samadi, Mona Salimi, Parisa Sarkhail, Nooshin Rastkari. Simultaneous Determination of Parathion, Malathion, Diazinon, and Pirimiphos Methyl in Dried Medicinal Plants Using Soli Phase Microextraction Fibre Coated with Single-Walled Carbon Nanotubes. *The Scientific World Journal*, 2012, 2012, 627607.
9. Khatereh Abdi, Hassan Hadadzadeh, Mathias Weil, Mona Salimi. Mononuclear copper(II) complex with terpyridine and an extended phenanthroline base, [Cu(tpy)(dppz)]²⁺: Synthesis, crystal structure, DNA binding and cytotoxicity activity. *Polyhedron*, 2012, 31, 638-648.
10. Khatereh Abdi, Hassan Hadadzadeh, Mona Salimi, Jim Simpson, Aliakbar Dehno Khalaji. A mononuclear copper(II) complex based on the polypyridyl ligand 2,4,6-tris(2-pyridyl)-1,3,5-triazine (tptz), [Cu(tptz)₂]²⁺: X-ray crystal structure, DNA binding and in vitro cell cytotoxicity. *Polyhedron*, 2012, 44, 101-112.
11. Hassan Hadadzadeh, Mona Salimi, Matthias Weil, Zahra Jannesari, Farivash Darabi, Khatereh Abdi, Aliakbar Dehno Khalaji, Soroush Sardari, Reza Ahangari. The piroxicam complex of copper(II), trans-[Cu(Pir)₂(THF)₂], and its interaction with DNA. *Journal of Molecular Structure*, 2012, 1022, 172-180.
12. Afshin Fassihi , Karim Mahnam , Behzad Moeinifard , Maryam Bahmanziari , Hojjat Sadeghi Aliabadi , Afshin Zarghi, Razieh Sabet , Mona Salimi Mahboubeh Mansourian. Synthesis, calcium-channel blocking activity, and conformational analysis of some novel 1,4-dihydropyridines: application of PM3 and DFT computational methods. *Med Chem Res*, 2012, 21, 2749-2761.
13. Parisa Miralinaghi, Mona Salimi*, Amirali Amirhamzeh, Mahnaz Norouzi, Hirs Mostafapour, Abbas Shafiee, Mohsen Amini. Synthesis, molecular docking study, and anticancer activity of triaryl-1,2,4-oxadiazole. *Med Chem Res*, 2013, 22, 4253-4262.

14. Reza Ahmadkhani, Mona Salimi, Nooshin Rastkari. Comparison of single-walled carbon nanotubes, multi-walled carbon nanotubes and C18 as adsorbents for the solid phase extraction of bisphenol A and bisphenol F in canned food. *Fullerenes, Nanotubes, and Carbon Nanostructures*, 2013, 21: 604–616.
15. Mona Salimi*, Masoumeh Esfahani, Narcis habibzadeh, Hamid Reza Aslani, AmirAmanzadeh, Mehrangiz Esfandiary, Bita Sedaghati, Sepideh Arbabi Bidgoli, & Mohammad Hossein Ghahremani. Change in nicotine-induced VEGF, PGE2 and COX-2 expression following COX Inhibition in Human Oral Squamous Cancer. *Journal of Environmental Pathology, Toxicology and Oncology*, 2012, 31(4):349-356.
16. Hassan Hadadzadeh, Mona Salimi, Matthias Weil, Mohammad Taghi Behnamfar, Farivash Darabi. Complex conversion of the redox pair CoIII–NO₂ to CoII–NO₃: Synthesis, crystal structure and DNA-binding of trans,trans,trans [Co(py)₂(H₂O)₂(NO₃)₂]. *Polyhedron*, 2013, 53, 179-186.
17. Seyyed Mohammad atyabi, Azim Akbarzadeh, Mona Salimi, Seyyed Bahman Momen, Sedigeh Hatami Gigloo, Hossein Nemati, Dariush Norouzian. Optimization of penicillin G acylase immobilization process by surface response methodology using central composite design. *Applied Mathematics*, 2013, 4, 64-69.
18. Seyyed Mohammad atyabi, Sedigeh Hatami Gigloo, Mona Salimi, Seyyed Bahman Momen, Azim Akbarzadeh, Dariush Norouzian. Enzymatic synthesis of ampicillin by immobilized penicillin G acylase of *E.coli*. *Biosciences Biotechnology Research Asia*, 2012, 79(2), 677-681.
19. Seyyed Bahman Momen, Seyyed Mohammad Atyabi, Azim Akbarzadeh, Mona Salimi, Sedigeh Hatami Gigloo, Ali Farhangi, Dariush Norouzian. Characteristics of penicillin G acylase immobilized onto iron oxide nanoparticles. *British Biotechnology Journal*. 3(3), 2013, 367-376.
20. Mahnaz Norouzi, Saeed Irian, Adeleh Divsalar, Mona Salimi*. A Study on the DNA Cleavage, Morphological Changes and Cytotoxicity Activities of the Two Synthetic COX-2 Inhibitors. *JRP*, 2013, 2(1), 38-44.
21. Farid Hajareh Haghighi, Hassan Hadadzadeh, Farivash Darabi, Zahra Jannesari, Malihe Ebrahimi, Taghi Khayamian, Mona Salimi, Hadi Amiri Rudbari. Polypyridyl Ni(II) complex, [Ni(tppz)₂]²⁺: Structure, DNA- and BSA binding and molecular modeling. *Polyhedron*, 2013, 65, 16-30.
22. Mona Salimi*, Mohammad Hassan Ardestaniyan, Hirsia Mostafapour Kandelous, Soudabeh Saeednia, Ahmadreza Gohari, Kayhan Azadmanesh, Amir Amanzadeh, Hassan Santai, Zahra Sepahdar, Samira Ghorbani, Misha Salimi. Antiproliferative and apoptotic activities of the constituents of chloroform extract of *Juglans regia* leaves. *Cell Proliferation*, 2013, 47, 172-179.

23. Hoda Gudarzia, Mona Salimi*, Saeed Irian, Amir Amanzadeh, Hirs Mostafapour Kandelous, Keyhan Azadmanesh, Misha Salimi. Ethanolic extract of *Ferula gummosa* is cytotoxic against cancer cells by inducing apoptosis and cell cycle arrest. *Natural Product Research*, 2014, 1-5.
24. Shaghayegh Norouzi, Mahnaz Norouzi, Saeed Ayerian, Mohammad Nabiuni, Mohsen Amini, Mona Salimi*. Evaluation of cytotoxicity mechanism of two cyclo-oxygenase-2 inhibitors in leukemia cell line. *Physiology and Pharmacology*, 2014, 18(1),16-26.
25. Mahnaz Norouzi, Shaghayegh Norouzi, Mohsen Amini, Amir Amanzadeh, Saeed Irian, Mona Salimi*. Apoptotic effects of two COX-2 inhibitors on breast adenocarcinoma cells through COX-2 independent pathway. *Journal of cellular biochemistry*, 2015, 116, 81-90.
26. Mona Salimi*, Khatereh Abdi, Hirs Mostafapour Kandelous, Hassa Hadadzadeh, Kayhan Azadmanesh, Amir Amanzadeh, Hassan Sanati. Antiproliferative effects of Copper(II)-polypyridyl complexes in breast cancer cells through inducing apoptosis. *BioMetals*, 2015, 28, 267-78.
27. Mohammad Taghi Behnamfar, Hassan hadadzadeh, Jim Simpson, Farivash Darabi, Azar Shahpiri, Taghi Khayamian, Malihe Ebrahimi, Hadi Amiri Rudbari, Mona Salimi. Experimental and molecular modeling studies of the interaction of the polypyridyl Fe(II) and Fe(III) complexes with DNA and BSA. *Apectrochemica Acta Part A-Molecular and Biomolecular Spectroscopy*, 134,502-516.
28. Shaghayegh Norouzi, Mahnaz Norouzi, Mohsen Amini , Amir Amanzadeh, Mohammad Nabiuni, Saeed Irian, Mona Salimi*. Two COX-2 inhibitors induce apoptosis in human erythroleukemia K562cells by modulating NF- κ B and FHC pathways. *Daru Journal of Pharmaceutical Sciences*, 2016, 24(1), 1.
29. Fatemeh Farmani, Mahmoorreza Moein, Amir Amanzadeh, Hirs Mostafapour Kandelous, Zahra Ehsanpour , Mona Salimi*. Antiproliferative Evaluation and Apoptosis Induction in MCF- 7 Cells by *Ziziphus spina christi* Leaf Extracts. *Asian Pacific Journal of Cancer Prevention*, 2016, 17(1), 315-21.
30. Hirs Mostafapour Kandelous, Misha Salimi, Vahid Khor, Noushin Rastkari, Amir Amanzadeh, Mona Salimi*. Mitochondrial apoptosis induced by *Chamaemelum nobile* extract in breast cancer cells. *Iranian Journal of Pharmaceutical Resaerch*, 2016, 15,197-204.
31. Shahrzad Tavakolfar, Elham Musavi, Ali Almasirad, Amir Amanzadeh, Seyyed Mohamamd Atyabi, Parichehr Yaghamii, Somayeh Samiee-Sadr, Mona Salimi*. In vitro anticancer effects of two new potent hydrazide compounds in leukemic cells. *Anticancer Agents in Medicinal Chemistry*, 2016, 16(12), 1646-1651.

32. Fatemeh Haji Abbas Tabrizi, Saeed Irian, Amir Amanzadeh, Fatemeh Heidarnejad, Hoda Gudarzi, Mona Salimi*. Anti-proliferative activity of *Fumaria vaillantii* extracts on different cancer cell lines. *Research in Pharmaceutical Sciences*, April 2016; 11(2): 152-159
33. Elham Mousavi, Shahrzad Tavakolfar, Ali Almasirad, Zahra Kooshafar, Soudeh Dehghani, Ahoo Afsharinasab, Amir Amanzadeh, Samira Shafiee, Mona Salimi*. In vitro and in vivo assessments of two novel hydrazide compounds against breast cancer as well as mammary tumor cells. *Cancer Chemotherapy and Pharmacology*, 2017, 79(6), 1195, 1203.
34. Samira Valiyari, Reza Mahdian, Mona Salimi, Mana Oloomi, Maryam Golshani, Mohammad Ali Shokrgozar, Saeid Bouzari. Expression, Purification and Functional Assessment of Smallest Isoform of Human Interleukin-24 in *Escherichia coli*. *Brazilian Archives of Biology and Technology*, 2017,e17160621.
35. Parisa Sarkhail, Mona Salimi, Pantea Sarkhail, Hirsia Mostafapour Kandelous. Anti-Melanogenic Activity and Cytotoxicity of Pistacia vera Hull on Human Melanoma SKMEL-3 Cells. *Acta Medica Iranica*, 2017,55(7), 422-428.
36. Samira Valiyari, Mona Salimi*, Reza Mahdian, Mohammad Ali Shokrgozar, Mana Oloomi, Azadeh Mohammadi Farsani, Saeid Bouzari. sIL-24 peptide, a human interleukin-24 isoform, induces mitochondrial-mediated apoptosis in human cancer cells. *Cancer Chemotherapy and Pharmacology*, 2017, 80(3), 451-459.
37. Parisa Sarkhail, Mona Salimi, Pantea Sarkhail, Fatemeh Heidarnejad, Soudabeh Saeidnia. Evaluation of anti-melanogenic and cytotoxic activities of Phlomis caucasica on human melanoma SKMEL-3 cells. *International Journal of Cancer Management*, 2017, 10(3), e4633.
38. Mona Salimi*. Study Break: Future of Triple Negative Breast Cancer: Can Immunotherapy Treat This Deadly Subtype of Breast Cancer? *Iranian Biomedical Journal*. 2018, 22(2),76-7.
39. Farnaz Barneh, Mehdi Mirzaie, Payman Nickchi , Tuan Zea Tan, Jean Paul Thiery, Mehran Piran, Mona Salimi, Fatemeh Goshadrou, Amir R Aref, Mohieddin Jafari. Integrated use of bioinformatic resources reveals that co-targeting of histone deacetylases, IKBK and SRC inhibits epithelial-mesenchymal transition in cancer. *Briefings in Bioinformatics*, 2019, 20(2),717-731.

40. Zahra Kooshafar, Mona Salimi*, Ameneh Javid. Evaluating antitumor effect of a novel hydrazide derivative in mammalian mice model. *Koomesh*, 2018, 20(3),582-587.
41. Davar Khodadadi, Reza Gharakhanlou, Naser Naghdi, Mona Salimi, Mohammad Azimi, Atabak Shahed, Soomaayeh Heysieattalab. Treadmill Exercise Ameliorates Spatial Learning and Memory Deficits Through Improving the Clearance of Peripheral and Central Amyloid-Beta Levels. *Neurochemichal Research*, 2018, 43(8), 1561-1574.
42. Farnaz Barneh, Mona Salimi*, Fatemeh Goshadrour, Minoo Ashtiani, Mehdi Mirzaie, Hakimeh Zali, Moheiedin Jafari. Valproic acid inhibits the protective effects of stromal cells against chemotherapy in breast cancer: Insights from proteomics and systems biology. *Journal Cellular Biochemistry*, 2018, 119(11), 9270-9283.
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Patents:

- ❖ **Synthesis of Riluzole (Iran intellectual property organization, 2012).**
- ❖ **Hydrogel formulation of Fumaria Vaillantii extract as wound healing product (Iran intellectual property organization, 2017).**