In the name of God
CURRICULUM VITAE

1- Personal Information:

First Name: Saeid	Last Name:Afshar	Gender: Male☒ Female☐
Tel No:	Address: Hamadan university of medical Science, Hamadan , Iran .	
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2- Education:

Level	Majored in	Field of study	Date	Name of the university/institute	City/Country
BA/BSc	Biology		1997	Razi university	IRAN
MA/MSc	Biophysics		2001	Tarbiat modares	IRAN
Ph.D	Molecular medicine		2014	Hamadan university of medical science	IRAN

3- publication:

1.	Abdali MH, Afshar S, Pashaki AS, Dastan D, Gholami MH, Mahmoudi R, et al. Investigating the effect of radiosensitizer for Ursolic Acid and Kamolonol Acetate on HCT-116 cell line. Bioorganic & Medicinal Chemistry. 2020;28(1):115152.

2.	AFSHAR S. Emergency diagnosis of Myocardial infarction (MI) by artificial neural network. WSEAS. 2015.

3.	Afshar S, Abdolrahmani F, Tanha FV, Seaf MZ, Taheri K, editors. Quick and reliable diagnosis of stomach cancer by artificial neural network. Proceedings of the 2nd WSEAS international conference on Biomedical electronics and biomedical informatics; 2009.

4.	Afshar S, Abdolrahmani F, VAKILI TF, ZOHDI SM, Taheri K. Recognition and prediction of leukemia with Artificial Neural Network (ANN). 2011.

5.	Afshar S, Afshar S, Warden E, Manochehri H, Saidijam M. Application of artificial neural network in miRNA biomarker selection and precise diagnosis of colorectal cancer. Iranian biomedical journal. 2019;23(3):175.

6.	Afshar S, Ahmadi F, Shahabi A. Early and precise detection of breast cancer with artificial neural network. 2016.

7.	Afshar S, Bahmani A, Saidijam M. Molecular docking and fragment-based QSAR modeling for in silico screening of approved drugs and candidate compounds against COVID-19. Avicenna Journal of Medical Biochemistry. 2020;8(2):83-8.

8.   Afshar S, Hatami Bavarsad N, Jahangard L, Saidijam M, Karimi SA, Soltanian AR, et al. Association of MGLL intronic C> T SNP (rs782440) with Borderline Personality Disorder. Cell Journal (Yakhteh). 2023.

9.   Afshar S, Leili T, Amini P, Dinu I. Introducing novel key genes and transcription factors associated with rectal cancer response to chemoradiation through co-expression network analysis. Heliyon. 2023;9(8).

10.   Afshar S, Najafi R, Pashaki AS, Sharifi M, Nikzad S, Gholami MH, et al. MiR-185 enhances radiosensitivity of colorectal cancer cells by targeting IGF1R and IGF2. Biomedicine & Pharmacotherapy. 2018;106:763-9.

11.   Afshar S, Pashaki AS, Najafi R, Nikzad S, Amini R, Shabab N, et al. Cross-resistance of acquired radioresistant colorectal cancer cell line to gefitinib and regorafenib. Iranian Journal of Medical Sciences. 2020;45(1):50.

12.   Afshar S, Seyedabadi S, Saidijam M, Samadi P, Mazaherilaghab H, Mahdavinezhad A. Long non-coding ribonucleic acid as a novel diagnosis and prognosis biomarker of bladder cancer. Avicenna Journal of Medical Biochemistry. 2019;7(1):28-34.

13.   Ahmadieh-Yazdi A, Mahdavinezhad A, Tapak L, Nouri F, Taherkhani A, Afshar S. Identifying metastatic biomarkers of colorectal cancer: Machine learning modeling and experimental validation. 2023.

14.   Artimani T, Amiri I, Soleimani Asl S, Saidijam M, Hasanvand D, Afshar S. Amelioration of diabetes-induced testicular and sperm damage in rats by cerium oxide nanoparticle treatment. Andrologia. 2018;50(9):e13089.

15.   Azimi A, Afshar S, Matini M, Fallah M. Deciphering the role of miR-71 and let-7 in the fertility of cystic echinococcosis cysts: a preliminary assessment. Parasitology Research. 2022;121(12):3619-25.

16.   Bahreini F, Saidijam M, Afshar S, Mousivand Z, Najafi R. The Effect of miR-145-5p, DANCR and NRAS Expression Levels on the Survival Rate of Colorectal Cancer Patients. Asian Pacific Journal of Cancer Prevention: APJCP. 2021;22(12):4043.

17.   Bahreini F, Saidijam M, Mousivand Z, Najafi R, Afshar S. Assessment of lncRNA DANCR, miR-145-5p and NRAS axis as biomarkers for the diagnosis of colorectal cancer. Molecular Biology Reports. 2021;48(4):3541-7.

18.   Basiri P, Afshar S, Amini R, Soltanian AR, Saidijam M, Mahdavinezhad A. Evaluation of miR-330-3p and BMI1 Expression in Colorectal Cancer Patients, Healthy Adjacent Tissues, and Polypoid Adenomatous Lesions. International Journal of Molecular and Cellular Medicine. 2022;11(4):334.

19.   Basiri P, SOHEILIFAR MH, Nobari S, Nikfarjam AH, Keshmiri NH, AFSHAR S, et al. Significance of exosomes in covid-19 pathogenesis and therapy. 2021.

20.   Bastaminejad S, Taherikalani M, Ghanbari R, Nooshin S, Bakhtiyari S, Afshar S, et al. Serum and Stool miR-135b Levels as a Potential Diagnostic Biomarker for Colorectal Cancer. CLINICAL AND EXPERIMENTAL INVESTIGATIONS. 2020;1(1):1-6.

21.   Darvish Z, Ghanbari S, Afshar S, Tapak L, Amini P. Psoriasis Associated Hub Genes Revealed by Weighted Gene Co-Expression Network Analysis. Cell Journal (Yakhteh). 2023;25(6):418.

22.   Dastan D, Mahmoudi R, Saidijam M, Khoei SG, Abdali MH, Afshar S. Evaluation of chemical composition of Hamadan Propolis as a potential anticancer agent. Jentashapir Journal of Cellular and Molecular Biology. 2021;12(2).

23.   Esfahani M, Karimi F, Afshar S, Niknazar S, Sohrabi S, Najafi R. Prolyl hydroxylase inhibitors act as agents to enhance the efficiency of cell therapy. Expert opinion on biological therapy. 2015;15(12):1739-55.

24.   Esfahani M, Mahmoudi R, Pourjafar M, Najafi R, Saidijam M, Afshar S. The Investigation of the Effect of Salusins on Matrix Metalloproteinases and VEGF-A in human umbilical vein endothelial cells. 2023.

25.   Eshraghi M, Ahmadi M, Afshar S, Lorzadeh S, Adlimoghaddam A, Jalal NR, et al. Enhancing autophagy in Alzheimer's disease through drug repositioning. Pharmacology & therapeutics. 2022;237:108171.

26.   Gholami L, Afshar S, Arkian A, Saeidijam M, Hendi SS, Mahmoudi R, et al. NIR irradiation of human buccal fat pad adipose stem cells and its effect on TRP ion channels. Lasers in Medical Science. 2022;37(9):3681-92.

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27.   Gholami L, Afshar S, Mahmoudi R, Arkian AA, Parsamanesh G, Rad MR, et al. Evaluation of the effect of near infra-red photobiomodulation on buccal fat pad-derived stem cells. International Journal of Dentistry and Oral Science. 2020;7(12):960-7.

28.   Gholami L, Hendi SS, Saidijam M, Mahmoudi R, Tarzemany R, Arkian A, et al. Near-infrared 940-nm diode laser photobiomodulation of inflamed periodontal ligament stem cells. Lasers in Medical Science. 2022:1-11.

29.   Hendi SS, Amiri N, Poormoradi B, Alikhani MY, Afshar S, Farhadian M. Antibacterial effects of erbium chromium laser along with/without silver nanoparticles in root canals infected by Enterococcus faecalis. International Journal of Dentistry. 2021;2021:1-8.

30.   Hendi SS, Amiri N, Poormoradi B, Alikhani MY, Afshar S, Farhadian M. Research Article Antibacterial Effects of Erbium Chromium Laser along with/without Silver Nanoparticles in Root Canals Infected by Enterococcus faecalis. 2021.

31.   Hendi SS, Gholami L, Saidijam M, Mahmoudi R, Arkian AA, Bakhtiyar H, et al. Photobiomodulation of inflamed dental pulp stem cells under different nutritional conditions. Regenerative Medicine. 2022;17(2):69-80.

32.   Hendi SS, Shiri M, Poormoradi B, Alikhani MY, Afshar S, Farmani A. Antibacterial effects of a 940 nm diode laser with/without silver nanoparticles against Enterococcus faecalis. Journal of Lasers in Medical Sciences. 2021;12.

33.   Jazaeri M, Torkzaban P, Afshar S, Najafi-Vosough R, Arany P, Gholami L. Comparison of pulsed and continuous wave diode laser at 940 nm on the viability and migration of gingival fibroblasts. Photochemistry and Photobiology. 2023;99(3):1003-9.

34.   Karimi Dermani F, Gholamzadeh Khoei S, Afshar S, Amini R. The potential role of nucleophosmin (NPM1) in the development of cancer. Journal of cellular physiology. 2021;236(11):7832-52.

35.   Kazemi S, Afshar S, Karami M, Saidijam M, Keramat F, Hashemi SH, et al. Association between risk of brucellosis and genetic variations in MicroRNA-146a. BMC Infectious Diseases. 2021;21(1):1-7.

36.   Kazemi S, Afshar S, Keramat F, Saidijam M, Karami M, Hashemi SH, et al. Assessment of Association between miR-146a Polymorphisms and Expression of miR-146a, TRAF-6, and IRAK-1 Genes in Patients with Brucellosis. Molecular Biology Reports. 2022;49(3):1995-2002.

37.   Khadempar S, Lotfi M, Haghiralsadat F, Saidijam M, Afshar S, Ghasemi N. Lansoprazole as a potent HDAC2 inhibitor for treatment of colorectal cancer: An in-silico analysis and experimental validation. Computers in Biology and Medicine. 2023:107518.

38.   Khezrian A, Ahmadi M, Mokarram P, Afshar S, Parvizi Y. A Review of Recent Advances in Peptide-Based Anticancer Therapeutic Vaccines and Nanovaccines in Prostate Cancer. International Journal of Peptide Research and Therapeutics. 2023;29(5):70.

39.   Khoshinani HM, Afshar S, Pashaki AS, Mahdavinezhad A, Nikzad S, Najafi R, et al. Involvement of miR-155/FOXO3a and miR-222/PTEN in acquired radioresistance of colorectal cancer cell line. Japanese journal of radiology. 2017;35:664-72.

40.   Mahmoudi R, Saidijam M, Nikzad S, Tapak L, Alvandi M, Afshar S. Human exposure to low dose ionizing radiation affects miR-21 and miR-625 expression levels. Molecular Biology Reports. 2022;49(2):1321-7.

41.   Mahmoudi R, Salem E, Khadempar S, Haghi AR, Amlashi ZK, Saki S, et al. Role of Non-coding RNA as a Biomarker of Response to Therapeutic Agents in Colorectal Cancer. Jentashapir Journal of Cellular and Molecular Biology. 2022;13(1).

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43.   Mohseni N, Ghaniee Zarich M, Afshar S, Hosseini M. Identification of Novel Biomarkers for Response to Preoperative Chemoradiation in Locally Advanced Rectal Cancer with Genetic Algorithm–Based Gene Selection. Journal of Gastrointestinal Cancer. 2022:1-14.

44.   Molaei P, Savari M, Mahdavinezhad A, Najafi R, Afshar S, Esfandiari N, et al. Highlighting functions of apoptosis and circular RNA's in colorectal cancer. Pathology-Research and Practice. 2023:154592.

45.   Moradi S, Tapak L, Afshar S. Identification of novel noninvasive diagnostics biomarkers in the Parkinson's diseases and improving the disease classification using support vector machine. BioMed Research International. 2022;2022.

46.   Mortezapour M, Tapak L, Bahreini F, Najafi R, Afshar S. Identification of key genes in colorectal cancer diagnosis by co-expression analysis weighted gene co-expression network analysis. Computers in Biology and Medicine. 2023;157:106779.

47.   Motavallihaghi S, Khodadadi I, Goudarzi F, Afshar S, Shahbazi AE, Maghsood AH. The role of Acanthamoeba castellanii (T4 genotype) antioxidant enzymes in parasite survival under H2O2-induced oxidative stress. Parasitology International. 2021:102523.

48.   Naeimi R, Bahmani A, Afshar S. Investigating the role of peptides in effective therapies against cancer. Cancer Cell International. 2022;22(1):1-10.

49.   Pourjafar M, Shirafkan N, Bakhtiari S, Afshar S, Saidijam M, Jalalvand A, et al. In Silico and In Vitro Evaluation of Selected Herbal Compounds as Robust HER-2 Inhibitors for Effective Treatment of Breast Cancer. Research Journal of Pharmacognosy. 2023;10(3):43-59.

50.   Rahimi A, Amiri I, Roushandeh AM, Choshali ZG, Alizadeh Z, Artimani T, et al. Sublethal concentration of H 2 O 2 enhances the protective effect of mesenchymal stem cells in rat model of spinal cord injury. Biotechnology letters. 2018;40:609-15.

51.   Ranjbar B, Afshar S, Kakanejadifard A, Khajeh K, Naderi-Manes H, Hassani L, et al. Effects of glyoxime and dichloroglyoxime on lysozyme: Kinetic and structural studies. Asian Journal of Biochemistry. 2006;1(2):153-61.

52.   Saidijam M, Afshar S, Ahmad I, Patching, G. S. Nucleoside transporters in PET imaging of proliferating cancer cells using 3'-deoxy-3'-[18F]fluoro-L-thymidine. Journal of Diagnostic Imaging in Therapy. 2018;5(1):1-13.

53.   Saidijam M, Afshar S, Taherkhani A. Identifying Potential Biomarkers in Colorectal Cancer and Developing Non-invasive Diagnostic Models Using Bioinformatics Approaches. Avicenna J Med Biochem. 2020;8(2):99-111.

54.   Salem E, Keshvari A, Soltanian AR, Saidijam M, Afshar S. Role of EFNA1 SNP (rs12904) in Tumorigenesis and Metastasis of Colorectal Cancer: A Bioinformatic Analysis and HRM SNP Genotyping Verification. Asian Pacific Journal of Cancer Prevention: APJCP. 2022;23(10):3523.

55.   Samadi P, Afshar S, Amini R, Najafi R, Mahdavinezhad A, Sedighi Pashaki A, et al. Let-7e enhances the radiosensitivity of colorectal cancer cells by directly targeting insulin-like growth factor 1 receptor. Journal of cellular physiology. 2019;234(7):10718-25.

56.   Sedighi PA, AFSHAR S, Mohamadian K, GHOLAMI M, MORADI A. Effects of Melatonin on IL-6 Serum Level Changes and Fatigue Caused by Adjuvant Chemoradiotherapy in Breast Cancer Women: A Randomized Controlled Trial. 2021.

57.   Sedighi Pashaki A, Afshar S, Mohamadian K, Gholami MH, Moradi A, Keshtpour Amlashi Z. Effects of melatonin on IL-6 serum level changes and fatigue caused by adjuvant chemoradiotherapy in breast cancer women: a randomized controlled trial. Iranian Journal of Breast Diseases. 2021;13(4):23-32.

58.   Sedighi Pashaki A, Mohammadian K, Afshar S, Gholami MH, Moradi A, Javadinia SA, et al. A randomized, controlled, parallel-group, trial on the effects of melatonin on fatigue associated with breast cancer and its adjuvant treatments. Integrative Cancer Therapies. 2021;20:1534735420988343.

59.   Shabab N, Afshar S, Saidijam M. The Induction of Apoptosis by Resveratrol Through Regulatory Effect of miR-21 on the Gene Expression of Bcl2 and Bax in HCT-116 Cells. Avicenna Journal of Medical Biochemistry. 2019;7(1):21-7.

60.   Shahnazari M, Afshar S, Emami MH, Amini R, Jalali A. Novel biomarkers for neoplastic progression from ulcerative colitis to colorectal cancer: a systems biology approach. Scientific Reports. 2023;13(1):3413.

61.   Shokrollah N, Samadi P, Jalali A, Dalirfardouei R, Afshar S, Pourjafar M. A Systems Biology Approach to Identify Novel Biomarkers in Progression from Crohn's Disease to Colorectal Cancer. Asian Pacific Journal of Cancer Prevention: APJCP. 2023;24(6):1993.

62.   Tahamoli-Roudsari A, Rahmani F, Afshar S, Hajilooi M, Solgi G. Expression patterns of T cells-specific long noncoding RNAs in systemic lupus erythematosus patients carrying HLA risk/nonrisk alleles. Lupus. 2023;32(10):1188-98.

63.   Tanzadehpanah H, Mahaki H, Moradi M, Afshar S, Moghadam NH, Salehzadeh S, et al. The use of molecular docking and spectroscopic methods for investigation of the interaction between regorafenib with Human Serum Albumin (HSA) and calf thymus DNA (Ct-DNA) In the presence of different site markers. Protein and Peptide Letters. 2021;28(3):290-303.

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65. Tapak L, Afshar S, Afrasiabi M, Ghasemi MK, Alirezaei P. Application of genetic algorithm-based support vector machine in identification of gene expression signatures for psoriasis classification: a hybrid model. BioMed Research International. 2021;2021.

66. Tapak L, Ghasemi MK, Afshar S, Mahjub H, Soltanian A, Khotanlou H. Identification of gene profiles related to the development of oral cancer using a deep learning technique. BMC Medical Genomics. 2023;16(1):35.

67. Tapak L, Hamidi O, Amini P, Afshar S, Salimy S, Dinu I. Identification of Prognostic Biomarkers for Breast Cancer Metastasis Using Penalized Additive Hazards Regression Model. Cancer Informatics. 2023;22:11769351231157942.

68. Tapak L, Kosorok MR, Sadeghifar M, Hamidi O, Afshar S, Doosti H. Regularized Weighted Nonparametric Likelihood Approach for High-Dimension Sparse Subdistribution Hazards Model for Competing Risk Data. Computational and Mathematical Methods in Medicine. 2021;2021.

69. Yousefiasl S, Manoochehri H, Makvandi P, Afshar S, Salahinejad E, Khosraviyan P, et al. Chitosan/alginate bionanocomposites adorned with mesoporous silica nanoparticles for bone tissue engineering. Journal of Nanostructure in Chemistry. 2023;13(3):389-403.

4- Awards:

Title	Year
Top BSC student	2000
Top MSC student	2003
Top PhD student	2015
Top PhD student	2016
Top PhD student	2017
Top PhD student	2018

5- Research Interests:

- Cancer biomarker
- System biology
- Cell and gene therapy
- Drug discovery

6- Reviewer and editorial board :

Reviewer : Cogent Medicine , Life Sciences, BioMed Research International ,Briefings in Bioinformatics, Journal of Biomolecular Structure and Dynamics , Therapeutic Advances in Medical Oncology, Journal of Cellular Physiology, Cogent Food & Agriculture, computers in medicine and biology,   Gene ,   Scientific reports , Cell Biochemistry and Biophysics, Biochemical Genetics, PLOS ONE, BMC Genomics, Cell Cycle, etc.

Editorial board: Annals of dental sciences, Journal of Pharmaceutical and Scientific Innovation.