

## Elham Nazari | CURRICULUM VITAE

Elham Nazari ; Elham.Nazari@sbmu.ac.ir/ e.n9262@gmail.com

### Education

- Postdoc, Bioinformatics, Mashhad university of medical science 2023
- PhD, Medical Informatics, Mashhad university of medical science 2021
- M.Sc, Medical Informatics, Tarbiat Modares university of Tehran 2015
- B.Sc, Computer engineering, Azad university of Kermanshah 2006

### Publications

- Mahmoudabadi A, Ghaderi S, Aldaghi T, Fathi S, Nazari E. SLC6A7 as a Novel Prognostic and Diagnostic Biomarker in the Ovarian Serous Cystadenocarcinoma by Bioinformatics Approaches. Indian Journal of Gynecologic Oncology. 2025 Jun;23(2):1-1.
- Yousefli Z, Rafiee N, Nourollahian T, Alipour A, Haghshenas Z, Islampanah M, Khazaei M, Fiuji H, Hassanian SM, Ferns GA, Nazari E. Recent Advances of Circulating Biomarkers with Potential Diagnostic, Prognostic, and Therapeutic Value in Pancreatic Cancer; Limitations of Clinical Application. Pathology-Research and Practice. 2025 May 27:156045.
- Khorshid Sokhangouy S, Zeinali M, Fathi S, Nazari E. Deep learning assisted identification of SCUBE2 and SLC16 A5 combination in RNA-sequencing data as a novel specific potential diagnostic biomarker in prostate cancer. Medical & Biological Engineering & Computing. 2025 May 8:1-4.
- Soroushianfar M, Asgari G, Afzali F, Falahat A, Soroush M, Baghahi M, Haratizadeh MJ, Khalili-Tanha G, Nazari E. Application of Bioinformatics and Machine Learning Tools in Food Safety. Current nutrition reports. 2025 Dec;14(1):1-4.
- Torabi S, Nahidi Y, Ghasemi SZ, Reihani A, Samadi A, Ramezanghorbani N, Nazari E, Davoudi S. Evaluation of skin cancer prevention properties of probiotics. Genes & Nutrition. 2025 Dec;20(1):1-4.
- Zafari N, Velayati M, Naderi H, Alshakarchi HI, Gataa IS, Khazaei Y, Khajeh H, Akbarzadeh H, Fiuji H, Ferns GA, Al-Okla SM. Prognostic value of ferroptosis-related genes and long non-coding RNAs in colorectal cancer: a meta and bioinformatics analysis. Network Modeling Analysis in Health Informatics and Bioinformatics. 2025 Dec;14(1):1-8.
- Habibi MR, JafariMoghadam A, Norouzkhani N, Nazari E, Imani B, Kheirdoust A, Fatemi Aghda SA. The use of neural networks to determine factors affecting the

severity and extent of retinopathy in preterm infants. *International Journal of Retina and Vitreous*. 2025 Mar 14;11(1):30.

- Rahmati R, Zarimeidani F, Ahmadi F, Yousefi-Koma H, Mohammadnia A, Hajimoradi M, Shafaghi S, Nazari E. Identification of novel diagnostic and prognostic microRNAs in sarcoma on TCGA dataset: bioinformatics and machine learning approach. *Scientific Reports*. 2025 Mar 4;15(1):7521.
- Jamialahmadi H, Asadnia A, Khalili-Tanha G, Mohit R, Azari H, Khazaei M, Maftooh M, Nassiri M, Hassanian SM, Ghayour-Mobarhan M, Ferns GA. Identification of miR-20a as a Diagnostic and Prognostic Biomarker in Colorectal Cancer: MicroRNA Sequencing and Machine Learning Analysis. *MicroRNA*. 2025 Mar;14(1):73-91.
- Haghshenas Z, Fathi S, Ahmadzadeh A, Nazari E. Identification of BCL11A, NTN5, and OGN as diagnosis biomarker of papillary renal cell carcinomas by bioinformatic analysis. *Journal of Kidney Cancer and VHL*. 2025 Feb 28;12(1):12.
- Khalili-Tanha G, Shoari A, Nazari E. The Role of Irisin in Modulating Hypoxia-Related Disorders: New Insights and Implications for Cancer Therapy. *Aspects of Molecular Medicine*. 2025 Feb 21:100068.
- Nazari E, Biviji R, Sistanian F, Biviji F, Gurav-Kolhar C, Ebnehoseini Z, Akhavan R, Tabesh H. Seasonal Trends and Emergency Admissions for Obstetric Hemorrhage and Trauma among Pregnant Women in Iran. *Maternal and Child Health Journal*. 2025 Jan;29(1):108-13.
- Nazari E, Khalili-Tanha G, Pourali G, Khojasteh-Leylakoochi F, Azari H, Dashtiahangar M, Fiuji H, Yousefli Z, Asadnia A, Maftooh M, Akbarzade H. The diagnostic and prognostic value of C1orf174 in colorectal cancer. *BioImpacts*. 2025;15:Article-number.
- Nazari M, Moayed Rezaie S, Yaseri F, Sadr H, Nazari E. Design and analysis of a telemonitoring system for high-risk pregnant women in need of special care or attention. *BMC Pregnancy and Childbirth*. 2024 Dec 18;24(1):817
- Nazari E. The Impact of Hydrogen-Rich Water on Liver Enzyme Levels in Clinical Populations: A Comprehensive Review and Meta-Analysis. *Gastroenterology and Hepatology from Bed to Bench*. 2024 Dec 2;17(4).
- Golbaghi MP, Valizadeh Laktarashi H, Nazari E. Identification of C1QTNF2 and Its Combination with AASS As a Novel Biomarker of Uterine Cancer: RNA-Sequencing and Machine Learning Analysis. *Iranian Biomedical Journal*. 2024 Dec 1;28:382-.

- Valizadeh Laktarashi H, Sharafi S, Abrishamifar K, Nazari E. Effectiveness of Mobile Applications to Promote Mother and Child Health: A Systematic Review. Iranian biomedical journal. 2024 Dec 1;28(7):161-.
- Khalili-Tanha G, Khalili-Tanha N, Farahani M, Rezaei-Tavirani M, Nazari E. The G Protein-Coupled Receptor-Related Gene Signatures for Diagnosis and Prognosis in Glioblastoma: A Deep Learning Model Using RNA-Seq Data. Asian Pacific Journal of Cancer Prevention. 2024 Dec 1;25(12):4201-10.
- Golbaghi MP, Laktarashi HV, Nazari E. Introduction of Novel MicroRNAs as a Diagnostic Approach for Thyroid Cancer. Iranian biomedical journal. 2024 Dec 1;28(7):53.
- Sokhangouy SK, Jamialahmadi H, Sani MS, Khalili-Tanha G, Rouzbehani AK, Mahmoudvand G, Goudarzi Z, Fakouri A, Farokhi S, Hassanian SM, Ferns GA. The Therapeutic Potential of Targeting Tumor Microenvironment and Modulation of Immunotherapy in Gastrointestinal Cancer. Current Cancer Drug Targets. 2024 Sep 30.
- Jamialahmadi H, Khalili-Tanha G, Rezaei-Tavirani M, Nazari E. The effects of hydrogen-rich water on blood lipid profiles in metabolic disorders clinical trials: A systematic review and meta-analysis. International Journal of Endocrinology and Metabolism. 2024 Sep 30;22(3):e148600.
- Rouzbahani AK, Khalili-Tanha G, Rajabloo Y, Khojasteh-Leylakoochi F, Garjan HS, Nazari E, Avan A. Machine learning algorithms and biomarkers identification for pancreatic cancer diagnosis using multi-omics data integration. Pathology-Research and Practice. 2024 Sep 26:155602.
- Hasanzadeh M, Rejali M, Khalili-Tanha G, Mehramiz M, Yavari N, Nazari E, Malakuti P, Maleki F, Ghorbannezhad G, Rafiei M, Mirani A. Interaction of High-and Low-Risk Human Papillomavirus Genotypes is Associated with a Reduced Risk of Developing Cervical Cancer. Infectious disorders drug targets. 2024 Sep 20.
- Khalili-Tanha G, Khalili-Tanha N, Rouzbahani AK, Mahdiah R, Jasemi K, Ghaderi R, Leylakoochi FK, Ghorbani E, Khazaei M, Hassanian SM, Gataa IS. Diagnostic, prognostic, and predictive biomarkers in gastric cancer: from conventional to novel biomarkers. Translational Research. 2024 Sep 10.

- Shahini A, Imani A, Reyhani A, Khalili-Tanha G, Ghorbani E, Fiuji H, Al-Hayawi S, Khazaei M, Hassanian SM, Ferns GA, Nazari E. The Role of Epigenetic Mechanisms in the Treatment of GI Cancers. *Current Cancer Drug Targets*. 2024 Jun 28.
- Sangani PS, Yazdani S, Khalili-Tanha G, Ghorbani E, Al-Hayawi IS, Fiuji H, Khazaei M, Hassanian SM, Kiani M, Ghayour-Mobarhan M, Ferns GA. The therapeutic impact of programmed death–1 in the treatment of colorectal cancer. *Pathology-Research and Practice*. 2024 May 16:155345.
- Khiji MN, Arghidash F, Tanha GK, Zadeh RH, Ghorbani E, Khazaei M, Hassanian SM, Gataa IS, Lam AK, Giovannetti E, Ferns GA. The Therapeutic Application of Hydrogen in Cancer: The Potential and Challenges. *Current Pharmaceutical Design*. 2024 May 1;30(17):1295-306.
- Haghshenas Z, Shaban F, Ferns GA, Nazari E. Emerging potential value of long non-coding RNAs as biomarkers and therapeutic targets in pancreatic cancer. *Annals of Pancreatic Cancer*. 2024 Apr 30;7.
- Ghorbani A, Hosseini F, Sokhangouy SK, Islampanah M, Maftooh M, Nassiri M, Hassanian SM, Ghayour-Mobarhan M, Ferns GA, Khazaei M, Nazari E. The prognostic, diagnostic, and therapeutic impact of Long noncoding RNAs in gastric cancer. *Cancer Genetics*. 2024 Apr 1;282:14-26.
- Pourali G, Zeinali M, Arastonejad M, Khalili-Tanha N, Nazari E, Khalili-Tanha G, Toriola AT. Identification of CBX7 and PCDHB18 as novel prognostic biomarkers of cervical cancer: RNA-sequencing and machine learning analysis. *Cancer Research*. 2024 Mar 22;84(6\_Supplement):4930-.
- Rouzbehani AK, Mahmoudvand G, Goudarzi Z, Fakouri A, Farokhi S, Sokhangouy SK, Ghorbani E, Avan A, Nazari E, Khazaei M. Hydrogen as a potential therapeutic approach in the treatment of cancer: from bench to bedside. *Molecular Hydrogen in Health and Disease*. 2024 Feb 17:207-30.
- Haghshenas Z, Bidaki N, Rashtbarzadeh A, Nazari E, Rezaei-Tavirani M. Impact of heavy metals on alzheimer disease, using artificial intelligence. *International Journal of Medical Toxicology and Forensic Medicine*. 2024;14(4):E45529.
- Jamialahmadi H, Khalili-Tanha G, Nazari E, Rezaei-Tavirani M. Artificial intelligence and bioinformatics: a journey from traditional techniques to smart approaches. *Gastroenterology and Hepatology from Bed to Bench*. 2024;17(3):241.

- Azari H, Nazari E, Jamialahmadi H, Khalili-Tanha G, Maftooh M, Hassanian SM, Ferns GA, Khazaei M, Avan A. Personalized medicine and new therapeutic approach in the treatment of pancreatic cancer. In *Recent Advances in Nanocarriers for Pancreatic Cancer Therapy* 2024 Jan 1 (pp. 317-343). Academic Press.
- Nazari E, Naderi H, Tabadkani M, ArefNezhad R, Farzin AH, Dashtiahanger M, Khazaei M, Ferns GA, Mehrabian A, Tabesh H, Avan A. Breast cancer prediction using different machine learning methods applying multi factors. *Journal of Cancer Research and Clinical Oncology*. 2023 Dec;149(19):17133-46.
- Khalili-Tanha G, Mohit R, Asadnia A, Khazaei M, Dashtiahanger M, Maftooh M, Nassiri M, Hassanian SM, Ghayour-Mobarhan M, Kiani MA, Ferns GA. Identification of ZMYND19 as a novel biomarker of colorectal cancer: RNA-sequencing and machine learning analysis. *Journal of Cell Communication and Signaling*. 2023 Dec;17(4):1469-85.
- Gholamalizadeh H, Zafari N, Velayati M, Fiuji H, Maftooh M, Ghorbani E, Hassanian SM, Khazaei M, Ferns GA, Nazari E, Avan A. Prognostic value of primary tumor location in colorectal cancer: an updated meta-analysis. *Clinical and Experimental Medicine*. 2023 Dec;23(8):4369-83.
- Nazari E, Khalili-Tanha G, Asadnia A, Pourali G, Maftooh M, Khazaei M, Nasiri M, Hassanian SM, Ghayour-Mobarhan M, Ferns GA, Kiani MA. Bioinformatics analysis and machine learning approach applied to the identification of novel key genes involved in non-alcoholic fatty liver disease. *Scientific Reports*. 2023 Nov 22;13(1):20489.
- Sokhangouy SK, Asadnia A, Negahbanzaferanloo Z, Hanaie R, Ghorbani E, Lagzian E, Tabari M, Akbarzade H, Fiuji H, Khazaei M, Hassanian SM. The potential prognostic value of Cartilage acidic protein 1 and secretoglobin family 1D member 1 in prostate cancer.
- Sokhangouy SK, Zeinali M, Nazari E. Deep learning assisted identification of ATP5J and ALDH1A2 combination in RNA-sequencing data as a novel specific potential diagnostic biomarker in prostate cancer.
- Khojasteh-Leylakoochi F, Mohit R, Khalili-Tanha N, Asadnia A, Naderi H, Pourali G, Yousefli Z, Khalili-Tanha G, Khazaei M, Maftooh M, Nassiri M. Down regulation of Cathepsin W is associated with poor prognosis in pancreatic cancer. *Scientific reports*. 2023 Oct 4;13(1):16678.

- Pourali G, Zafari N, Fiuji H, Batra J, Nazari E, Khazaei M, Hassanian SM, Vahabi M, Kiani M, Ghayour-Mobarhan M, Peters GJ. Extracellular vesicles: Emerging mediators of cell communication in gastrointestinal cancers exhibiting metabolic abnormalities. *Cytokine & Growth Factor Reviews* .2023 Aug 6.
- Asadnia A, Nazari E, Goshayeshi L, Zafari N, Moetamani-Ahmadi M, Goshayeshi L, Azari H, Pourali G, Khalili-Tanha G, Abbaszadegan MR, Khojasteh-Leylakoochi F. The Prognostic Value of ASPHD1 and ZBTB12 in Colorectal Cancer: A Machine Learning-Based Integrated Bioinformatics Approach. *Cancers* . 2023 Aug 28;15(17):4300.
- Khalili-Tanha G, Mohit R, Asadnia A, Khazaei M, Dashtiahangar M, Maftooh M, Nassiri M, Hassanian SM, Ghayour-Mobarhan M, Kiani MA, Ferns GA. Identification of ZMYND19 as a novel biomarker of colorectal cancer: RNA-sequencing and machine learning analysis. *Journal of Cell Communication and Signaling* . 2023 Jul 10:1-7.
- Nazari E, Hasanzadeh M, Rezvani R, Rejali M, Badpeyma M, Delaram Z, Mousavi-Seresht L, Akbari M, Khazaei M, Ferns GA, Avan A. Association of dietary intake and cervical cancer: a prevention strategy. *Infectious Agents and Cancer* . 2023 Dec;18(1):1-3.
- Gholamalizadeh H, Zafari N, Velayati M, Fiuji H, Maftooh M, Ghorbani E, Hassanian SM, Khazaei M, Ferns GA, Nazari E, Avan A. Prognostic value of primary tumor location in colorectal cancer: an updated meta-analysis. *Clinical and Experimental*.2023 Jul 5:1-5.
- Azari H, Nazari E, Mohit R, Asadnia A, Maftooh M, Nassiri M, Hassanian SM, Ghayour-Mobarhan M, Shahidsales S, Khazaei M, Ferns GA. Machine learning algorithms reveal potential miRNAs biomarkers in gastric cancer. *Scientific Reports* .2023 Apr 15;13(1):6147.
- Pourali G, Khalili-Tanha G, Nazari E, Maftooh M, Nassiri M, Hassanian SM, Mobarhan MG, Khazaei M, Ferns G, Avan A. Circulating Tumor Cells and Cell-free Nucleic Acids as Biomarkers in Colorectal Cancer. *Current Pharmaceutical Design*.2023 Mar 1;29(10):748-65.
- Nazari E, Pourali G, Khazaei M, Asadnia A, Dashtiahangar M, Mohit R, Maftooh M, Nassiri M, Hassanian SM, Ghayour-Mobarhan M, Ferns GA. Identification of potential biomarkers in stomach adenocarcinoma using machine learning approaches. *Current Bioinformatics*. 2023 May 1;18(4):320-33.
- Zafari N, Bathaei P, Velayati M, Khojasteh-Leylakoochi F, Khazaei M, Fiuji H, Nassiri M, Hassanian SM, Ferns GA, Nazari E, Avan A. Integrated analysis of multi-omics

data for the discovery of biomarkers and therapeutic targets for colorectal cancer. *Computers in Biology and Medicine*. 2023 Feb 11;106639.

- Pourali G, Hosseini ZS, Maftooh M, Nazari E, Khazaei M, Nassiri M, Hassanian SM, Ghayour-Mobarhan M, Ferns GA, Kiani MA, Avan A. Therapeutic Potential of Herbal Medicine against Non-alcoholic Fatty Liver Disease. *Current Drug Targets*. 2023 Mar 1;24(4):300-19.
- Khojasteh-Leylakoochi F, Mohit R, Khalili-Tanha N, Asadnia A, Khazaei M, Pourali G, Yousefli Z, Khalili-Tanha G, Maftooh M, Nassiri M, Hassanian SM. Down regulation of Cathepsin W is associated with poor prognosis in Pancreatic cancer. *Scientific Reports*. 2023
- Nazari E, Khalili-Tanha G, Asadnia A, Pourali G, Maftooh M, Khazaei M, Nasiri M, Hassanian SM, Ghayour-Mobarhan M, Ferns GA, Kiani MA. Bioinformatics analysis and machine learning approach applied to the identification of novel key genes involved in non-alcoholic fatty liver disease. *Scientific Reports*. 2023 Nov 22;13(1):20489.
- Nazari E, Naderi H, Tabadkani M, ArefNezhad R, Farzin AH, Dashtiahanger M, Khazaei M, Ferns GA, Mehrabian A, Tabesh H, Avan A. Breast cancer prediction using different machine learning methods applying multi factors. *Journal of Cancer Research and Clinical Oncology*. 2023 Dec;149(19):17133-46.
- Nazari E, Aldaghi T, Tabesh H. Critical appraisal of the Coronavirus preparedness among countries using the global health security index. *Frontiers in Health Informatics* . 2022 Sep 21;11(1):123.
- Nazari E, Biviji R, Roshandel D, Pour R, Shahriari MH, Mehrabian A, Tabesh H. Decision fusion in healthcare and medicine: a narrative review. *Mhealth*. 2022;8.
- Nazari E, Khodabandeh ME, Dadashi A, Rasoulilian M. Studying Students' Knowledge of the Benefits, Challenges, and Applications of Big Data Analytics in Healthcare. 2022.
- Nazari E, Norouzi S, Aldaghi T, Rasoulilian M, Shahriari MH, Kheirdoust A, Tabesh H. A Survey of Students' Attitudes to Big Data Analysis in Iranian Universities. *International Journal of Innovation in Engineering*. 2021 Dec 28;1(4):62-71.
- Nazari E, Aghemiri M, Ebnehoseini Z, Akhavan R, Kheirdoust A, Momeni M, Tabesh H. A descriptive study of the admitted patients for injuries in a large teaching hospital in 2016. *Journal of Surgery and Trauma*. 2021 Dec 10;9(4):151-7.
- Nazari E, Aghemiri M, Avan A, Mehrabian A, Tabesh H. Machine learning approaches for classification of colorectal cancer with and without feature selection method on microarray data. *Gene Reports*. 2021 Dec 1;25:101419.

- Tabesh H. Familiarity with Big Data? A Comparison Be-tween IT Department's Staff Vs Students of the Universi-ties. *Ann Clin Med Case Rep*. 2021;7(3):1-6.
- Nazari E, Norouzi S, Aldaghi T, Rasoulia M, Shahriari MH, Kheirdoust A, Tabesh H. A Survey of Students' Attitudes to Big Data Analysis in Iranian Universities. *International Journal of Innovation in Engineering*. 2021 Dec 28;1(4):62-71.
- Nazari E, ArefNezhad R, Tabadkani M, Farzin AH, Tara M, Hassanian SM, Khazaei M, Ferns GA, Tabesh H, Avan A. Using correlation matrix for the investigation the interaction of genes and traditional risk factor in breast cancer. *Meta Gene*. 2021 Dec 1;30:100947.
- Nazari E, Biviji R, Farzin AH, Asgari P, Tabesh H. Advantages and challenges of information fusion technique for big data analysis: proposed framework. *Journal of Biostatistics and Epidemiology*. 2021 Jul 18.
- Nazari E, Ebnehoseini Z, Tabesh H. A protocol of scoping review of peak point prediction methods for epidemic diseases: Applicable to coronavirus 2019 prediction. *Frontiers in Health Informatics*. 2021 Apr 8;10(1):71.
- Nazari E, Asgari P, Aghemiri M, Shahriari MH, Zangeneh A, Tabesh H. Developing a questionnaire for mobile phone usage pattern among university students using the Delphi method. *Frontiers in Health Informatics*. 2021 Jan 1;10(1):52.
- Eazari E, Nazari S, Ebnehosseini Z, Akhavan R, Tabesh H. Analysis of the Pattern of Poisoning in Patients Admitted to a Large Teaching Hospital in Iran. *Journal of Biostatistics and Epidemiology* 2021 Dec 15;7(4):360-70.
- Nazari E, Asgari P, Nazari S, Aldaghi T, Ebnehoseini Z. The pattern of characteristics of non-traffic accident trauma patients: A Cross-Sectional Study. *Dokkyo Journal of Medical Sciences*. 2021;48:02.
- Nazari E, Aghemiri M, Zeinali N, Delaram Z, Mehrabian A, Tabesh H. Application of Big Data analysis in healthcare based on 'The 6 building blocks of health systems' Framework: A survey. *Dokkyo Journal of Medical Sciences*. 2021;48(01).
- Nazari E, Tabesh H. Corona Virus Outbreak in Iran: A Comparison with China, Italy and South Korea in One Month after Infection. *Journal of Biostatistics and Epidemiology (scopus)*. 2020 Dec 31;6(3):190-6.
- Nazari E, Shahriari MH, Tabesh H. Developing a Questionnaire to Investigate the Reasons for Ignoring Home Quarantine by Some Iranians. *Journal of Biostatistics and Epidemiology (scopus)*. 2020 Dec 15.



- Nazari E, Rasoulia M, Sistani S, Khodabandeh ME, Tabesh H. Universities students' knowledge about big data analysis. *Frontiers in Health Informatics*. 2020 Dec 1;9(1):50.
- Nazari E, Farzin AH, Aghemiri M, Avan A, Tara M, Tabesh H. Deep learning for acute myeloid leukemia diagnosis. *Journal of Medicine and Life* .2020 Jul;13(3):382.
- Nazari E, Chang HC, Deldar K, Pour R, Avan A, Tara M, Mehrabian A. A comprehensive overview of decision fusion technique in healthcare: A systematic scoping review. *Iranian Red Crescent Medical Journal*. 2020 Oct 26;22(10).
- Nazari E, Aghemiri M, Tabatabaei SM, Mostafavi SM, Aalaei S, HasanAbady SE, Tabesh H. Thesis conducted by student in medical informatics field based on health informatics competencies framework: A study in Iran. *Frontiers in Health Informatics*. 2020 Sep 2;9(1):42.
- Nazari E, Tabesh H. Outbreak of coronavirus in Iran compared to countries with the highest incidence. *Frontiers in Health Informatics*. 2020 Aug 3;9(1):38.
- Sharifzadeh N, Kharrazi H, Nazari E, Tabesh H, Edalati Khodabandeh M, Heidari S, Tara M. Health education serious games targeting health care providers, patients, and public health users: scoping review. *JMIR serious games*. 2020 Mar 5;8(1):e13459.
- Nazari E, Ebnehoseini Z, Agharezaei Z, Tabesh H. Knowledge, Attitude, Challenges of Big Data Analytics based on IT Staffs Point of View in a Developing Country. *Frontiers in Health Informatics*. 2020 Jul 5;9(1):36.
- Nazari E, Shahriari MH, Dadgarmoghaddam M, Saki A, Nahidi M, Mehrabian A, Tabesh H. Home quarantine is a useful strategy to prevent the coronavirus outbreak: Identifying the reasons for non-compliance in some Iranians. *Informatics in Medicine Unlocked*. 2020 Jan 1;21:100487.
- Nazari E, Rahimi M, Firoozabadi M. Factors Affecting Diabetes Type-1 Based On Individuality And Self-care Evaluation. *Personalized Medicine Journal*. 2019 Sep 1;4(14):11-4.
- Asgari P, Nazari E. Review of the effectiveness of information and communication technology (ICTs) in the treatment of type 1 and type 2 diabetes. *Frontiers in Health Informatics*. 2019 Jun 22;8(1):12.
- Nazari E, Afkanpour M, Tabesh H. Big Data from A to Z. *Frontiers in Health Informatics*. 2019 Oct 2;8(1):20.
- Nazari E, Nazari S. Selfcare in type I diabetes with continuous glucose monitoring. *Frontiers in Health Informatics*. 2019 Feb 12;8(1):5.

- Nazari E, Shahriari MH, Tabesh H. Applications of Framework In Health Care: A Survey. *Frontiers in Health Informatics*. 2019 Aug 5;8(1):16.
- Nazari E, Shahriari MH, Tabesh H. BigData analysis in healthcare: apache hadoop, apache spark and apache flink. *Frontiers in Health Informatics* 2019 Jul 27;8(1):14.
- Ghalibaf AK, Nazari E, Gholian-Aval M, Tara M. Comprehensive overview of computer-based health information tailoring: a systematic scoping review. *BMJ open* (impact factor=2.9). 2019 Jan 1;9(1):e021022.
- Nazari E, Afkanpour M, Tabesh H. Investigating the Challenges of Big Data Analytics from the Viewpoints of Students in Mashhad in 2019. *Journal of Biostatistics and Epidemiology*. 2019.
- Nazari E, Shahriari MH, Khodabandeh ME, Tabesh H. Create Frameworks From Software Engineering To Health Care: A survey. *Journal of Biostatistics and Epidemiology*. 2019.
- Nazari E, Ameli E, Tabesh H. Big Data In healthcare: A to Z. *Journal of Biostatistics and Epidemiology*. 2019;5(3):194-203.
- Nazari E, Pour R, Tabesh H. Comprehensive overview of decision-fusion technique in healthcare: A scoping review protocol. *Frontiers in Health Informatics*. 2018 Nov 28;7:7.
- Sarbaz M, Kimiafar K, Nazari E. The Perspective of Nurses on Nursing Information System: A Case Study in a Developing Country. *Studies in Health Technology and Informatics* (pp. 431-435).
- Ghalibaf AK, Nazari E, Gholian-Aval M, Tabesh H, Tara M. Comprehensive overview of computer-based health information tailoring: a scoping review protocol. *BMJ open*(impact factor=2.9). 2017 Dec 1;7(12):e019215.
- Shahmoradi M, Safaei AA, Tajrishi H, Nazari E, Delaram Z, Zarei Z, Zeinali N. The common applications of social networks in healthcare. *Health Information Management*. 2016 Aug 22;13(3):243-8.
- Shahmoradi M, Tajrishi H, Nazari E, Delaram Z, Zarei Z, Zeinali N, Safaei AA. The role of social networks in healthcare: applications and limitations. *Journal of Health and Biomedical Informatics*. 2015 Sep 10;2(2):124-8.

## Conference Presentations

- Nazari, E., Ameli, E., & Fatehi, F. (2017). Aggregation of patients' data for telemedicine services using cloud-based solutions. Successes and Failures 8th in Telehealth Conference, Australia.
- Nazari, E. & Nazari, S. (2017). Evaluating the effect of continuous blood glucose monitoring in control blood glucose in 1 type diabetes. The 4th International Conference on Nutrition: From Laboratory Research to Clinical Study. Mashhad.
- Nazari, E. Rahimi, M. & Firoozabadi, M. (2016). Prediction of Patient's Individual Blood Glucose Levels for Type 1 Diabetes Using Panel Data Analysis. 4th international conference on science and engineering. Italy.

### **Research Experience (As Principal Investigator)**

- The Role of Probiotics in human Cancer Prevention; 2025
- Circulating Biomarkers with Potential Diagnostic, Prognostic and Therapeutic Value in Pancreatic Cancer; 2025
- Chemo resistance property of probiotics in GIT cancer treatment; 2024
- Discovering biomarkers and targeted therapies in breast cancer using Multi-Omics data analysis and artificial intelligence; 2023
- Categorizing the types of genetic data related to diabetes in order to familiarize with this field and conduct useful bioinformatics research; 2023
- Unveiling the Prognostic Potential genes in Low-Grade Glioma through RNA-seq and Single-Cell Profiling; 2023
- Identification of novel diagnostic and prognostic genes and signaling pathway with artificial intelligence and bioinformatics approaches in sarcoma; 2023
- A comprehensive analysis of pancreatic cancer expression profile and a pan-cancer study for novel prognostic genes discovery; 2023
- Identification of genes and important molecular pathways in glioma using bioinformatics and artificial intelligence; 2023
- The Impact of Hydrogen-Rich Water on Liver Enzyme Levels: A Comprehensive Review and Meta-Analysis; 2023
- Proposed system for elderly health care in Iran; 2023

- The correlation between heavy metals and Alzheimer's and Parkinson's disease: the role of artificial intelligence;2023
- Advancements and Applications of Artificial Intelligence in Bioinformatics;2023
- Identification of important hub genes in acute myeloid leukemia (AML) ;2023
- Identification of novel genes in ovarian cancer using bioinformatics;2023
- Identifying important genes in glioblastoma using deep learning on RNA-Seq data. ;2023
- Discovery of molecular mechanisms and important biomarkers in skin melanoma using artificial intelligence methods;2023
- Identification of key genes and signaling pathways in thyroid carcinoma based on bioinformatics and Machine Learning;2022
- Cervical cancer novel prognostic and diagnostic biomarkers identified based on bioinformatics analysis(RNA-Seq) and machine learning;2022
- Prediction Machine Learning Models for length of stay ICU Patients related with remission in Intensive Care Units at shohadaye tajrish hospital of Tehran;2022
- Identification of novel diagnostic biomarkers in kidney carcinoma;2022
- the performance of countries in the three levels Most prepared, More prepared and Least prepared based on GHSI against Corona pandemic;2022
- Provide an appropriate model based on Decision Fusion techniques for management and analysis BigData;2020

### Teaching Experience

Teaching courses: Visual basic, Microsoft office and other softwares in technical and professional organization at Kermanshah, 2006 -2010.

### Research Interests

- Machine learning
- Data science

- Big data analysis
- RNA-Sequencing
- DNA-Sequencing
- Multi-Omics Analysis
- Bioinformatics

### **Honors and Achievements or Academic Honors and Awards or Awards and Certificates**

- 2019, Festival professor Hesabi, Selective and excellent Student and researcher
- 2018, Best poster, second national conference of medical Informatics

### **Skills**

#### **Ability to use software programs:**

- SPSS
- R
- Weka
- Rapid miner
- Python
- Eviews

#### **Research gate link:**

<https://www.researchgate.net/profile/Elham-Nazari-3>

#### **Google Scholar link:**

<https://scholar.google.com/citations?user=dhJQUUgAAAAJ&hl=en>