

Elham Nazari | CURRICULUM VITAE

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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

- 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.
- 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.
- 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.
- 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 Medicine*. 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.
- 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.
- Nazari, Elham. "Digital innovation for healthcare in COVID-19 pandemic." *Digital Innovation for Healthcare in COVID-19 Pandemic*. Academic Press, 2022. 11-37.
- 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.
- 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, 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.
- 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, 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, 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, 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).
- 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, Afkanpour M, Tabesh H. Big Data from A to Z. *Frontiers in Health Informatics*. 2019 Oct 2;8(1):20.
- 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*. 2019 Jan 1;9(1):e021022.
- 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, Shahriari MH, Khodabandeh ME, Tabesh H. Create Frameworks From Software Engineering To Health Care: A survey. Journal of Biostatistics and Epidemiology. 2019.
- Sarbaz M, Kimiafar K, Nazari E. The Perspective of Nurses on Nursing Information System: A Case Study in a Developing Country. InMIE 2018 Jan 1 (pp. 431-435).

Conference Presentations

- Nazari, E., Ameli, E., & Fatehi,F. (2017). Aggregation of patients' data for telemedicine services using cloud-based solutions. Successes and Failures th8-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. 4 th international conference on science and engineering.Italy.

Research Experience

- Avan, A & Nazari,E.(2023).Identification of novel prognostic and diagnostic markers in Pancreatic ductal adenocarcinoma using machine learning approaches. Grant number: 4010928. IR.MUMS.MEDICAL.REC.1401.430.
- Avan, A & Nazari,E.(2023). Identification of diagnostic markers in Colorectal Adenocarcinoma with Machine Learning methods and Bioinformatics tools. Grant number: 4010927.IR.MUMS.MEDICAL.REC.1401.404.
- Avan, A & Nazari,E.(2023). Identification of novel prognostic markers in Gastric Cancer using machine learning approaches and validation in patients, Grant number: 4010927. IR.MUMS.MEDICAL.REC.1401.457.
- Nazari, E. & Tabesh, H. (2019). Investigation trend of Mobile Phones usage and estimate the Rate and Effect of its use among Iranian Students.Mashhad university of medical science. Grant number: 980247. IR.MUMS.MEDICAL.REC.1398.317.
- Tabesh, H. & Nazari, E. (2018). Determining the Benefits, Challenges and Applications of big data analysis in healthcare and studying Students' attitude about them, Mashhad university of medical science. Grant number: 980102. IR.MUMS.MEDICAL.REC.1398.176.
- Tabesh, H. & Afkanpour, M. Nazari, E. & Eslami, S. & Alipour, A. & Momeni, M. (2018). Development of a predictive model based on machine learning

techniques on specific chromosome marker Y for genetic identification. Mashhad university of medical science. Grant number: 980100. IR.MUMS.MEDICAL.REC.1398.173.

- Tabesh, H. & Momeni, M. & Nazari, E. & Abbaspour, MM. & Afkanpour, M. & Rakhshani, S. & Vakili, H. (2018). Design of disintegration Time Prediction Model in Rapid Disclosure Tablet Pre-Formulation Experiments Using Deep Learning Techniques. Mashhad university of medical science. Grant number: 971868. IR.MUMS.MEDICAL.REC.1398.256.
- Nazari, E. & Tabesh, H. (2020). Study of Peak Point Forecasting Methods for Epidemic Diseases: Applicable in Covid 19. Mashhad university of medical science. Grant number: 990594. IR.MUMS.MEDICAL.REC.1399.288.
- Tabesh, H. & Nazari, E. (2020). Exploring the Reasons to Disregard Home Quarantine Related Recommendations to Prevent Corona Outbreaks. Mashhad university of medical science. Grant number: 990003. IR.MUMS.REC.1399.018.
- Nazari, E. & Aldaghi, T. & Momeni, M. & Afkanpour, M. & Tabesh, H. (2021). The performance of countries in the three levels Most prepared, More prepared and Least prepared based on GHSI against Corona pandemic. Grant number: 990983. IR.MUMS.MEDICAL.REC.1399.511.
- Ebrahimpour, A. & Nazari, E. & Ebnehosseini, Z. & Akbarzadeh, F. & Tabesh, H. (2021). Estimation of the time interval between the hospitalization of patients with final diagnosis of schizophrenia and their readmission and related factors in Ibn Sina Hospital from 2009 to 2019. Grant number: 981376. IR.MUMS.MEDICAL.REC.1399.062.
- Heidari, A. & Nazari, E. & Hosseini, H. & Ebnehosseini, Z. & Tabesh, H. (2021). Localization and Usage a questionnaire for health information online use, motivations and consequences for Transgenders. Grant number: 980677. IR.MUMS.MEDICAL.REC.1398.930.
- Tabesh, H. & Nazari, E. & Ebnehosseini, Z. & Farshbaf, R. & Shahriari, MH. (2019). Development and evaluation a patient e-appointment booking mobile application using technology acceptance model. Grant number: 970603. IR.MUMS.MEDICAL.REC.1397.626.
- Tabesh, H. & Nazari, E. & Avan, A. (2017). Provide an appropriate model based on Decision Fusion techniques for management and analysis BigData. Grant number: 961731. IR.MUMS.MEDICAL.REC.1397.171.
- Tabesh, H. & Nazari, E. & Sharifi, Y. & Montazerabadi, Z. & Nahidi, M. (2019). Relation between social media and stress: a meta-analysis. Grant number: 990725. IR.MUMS.MEDICAL.REC.1399.372.

- Tabesh, H. & Nazari, E. & Sharifi, Y. & Montazerabadi, Z. & Nahidi, M. (2019). Relation between communication and stress: A meta-analysis. Grant number: IR.MUMS.MEDICAL.REC.1399.312.

*Grant number is accessible at <https://ethics.research.ac.ir/>

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>