Curriculum Vita

Date: June/2022   Place: YUMS, YASUJ, IRAN.

Personal Background:

First Name: Cyrus   **Last Name**: Salehnasab

Title: Dr.   **Date of Birth**: 1979/07/19

Place of Birth: Yasuj   **Nationality:** Iranian

Marital Status: Married   **Gender**: Male

Scientific Level: Assistant Professor   **Degree:** Ph.D.

Work/Permanent Address:
Department of Biostatistics and Epidemiology, School of Health, Yasuj University of Medical Sciences, Yasuj, Iran.

Post code: 75917-41417

Tel & Fax: 00987433346078

Email: salehnasab@yums.ac.ir

Mobile: 00989173413251

HIGHLIGHTS of QUALIFICATIONS:

Educational and Professional Background:

2016- 2020	PhD in Medical Informatics, Shahid Beheshti University of Medical Sciences, Tehran, Iran (grade: 17 / 20)
2011-2014	MSc in Medical Informatics, Shiraz University of Medical Sciences, Shiraz, Iran (grade: 18.95 / 20)
2005-2009	BSc in Computer Engineering Software, Islamic Azad University, Shiraz Branch, Shiraz, Iran.
1997-1999	Laboratory Science Associate, Shiraz University of Medical Sciences, Shiraz, Iran.
2000-Present	15+ years of experience from IT, research, and software/system development; working in academic as well as administrative settings as researcher and staff

- **Research:** Skilled in conducting quantitative and qualitative research specifically in the field of artificial intelligence (AI) using various programming languages such as Python and Java– in different phases including design, data collection, analysis, development of intelligent models, implementation of information system and publication in recognized journals.

- **Project management:** demonstrated success in project consultation, management, and analysis – Provided consultation on situational analysis and user specifications to hospital health centers, and led design and implementation of projects in those settings.

- **Technology and Tools:** Excellent knowledge of Object-Oriented Software Engineering, Service Oriented Architecture and Agile Software Development; working knowledge of MS-Project, MS-Office products, MS-Windows Server, Linux, MS-Access, MS- SQL server, PostgreSQL, MySQL, Python programing including (Command-line, Desktop and Web application), HTML, JavaScript, Vue.js, CSS, Bootstrap, Ajax, Visual Basic.Net (VB.Net), C#.Net, MATLAB and Modeling software for machine learning algorithms including (IBM SPSS Modeler, Weka, RapidMiner, Orange and etc.)

Employment and Related Professional Activities and Affiliation

2022-present	**Director**, Medical Information and University Research Network, Deputy of research and technology, Yasuj University of Medical Sciences, Yasuj, Iran.
2022- present	**Faculty,** Department of Biostatistics and Epidemiology, School of Health, Yasuj University of Medical Sciences, Yasuj, Iran.
2021-2022	**Head** of Information Technology, Vice Chancellor for Education and Graduate Studies, Yasuj University of Medical Sciences, Yasuj, Iran.
2014-2016	**Head** of University Statistics Department, Yasuj University of Medical Sciences, Yasuj, Iran.
2009-2014	Computer expert, Yasuj University of Medical Sciences, Yasuj, Iran.

…

Teaching History:

2022- Present	Teaching of "Information technology in the operating room" to Operating Room students in YUMS.
2022-Present	Teaching of "Information Technology in Nursing" to Nursing students, in YUMS.
2022- Present	Teaching of "Application of computer" to MSc Students of Midwifery in YUMS.
2018- 2019	Teaching of "Computer application" to Environmental Health Engineering students in SBMU.
2020- Present	Teaching of "Basic Computer programming" to Health Information Technology students in ZBMU.
2020- Present	Teaching of "Data structure" to Health Information Technology students in ZBMU.
2020- Present	Teaching of "Computer Networks" to Health Information Technology students in ZBMU.
2018- 2019	Teaching of "Computer programming" to Occupational Health Engineering students in SBMU.
2013- Present	Teaching of "Medical information systems" to MSc students (biochemistry, Anatomical sciences, microbiology, and Midwifery) in YUMS.
2013-Present	Teaching of "Introduction to New Information Technology" to BSc of Radiology Students in YUMS & SBMU.

2013-Present	Teaching of "Application of computer in medical imaging" to BSc of Radiology Students in YUMS.
2013-Present	Teaching of "Application of computer in dentistry" to Dentistry Students in YUMS.
2013- Present	Teaching of "Computer for laboratory science" to Laboratory science students in YUMS.

…

Published Articles in International Journals:

1) Baroonzadeh F, Shekofteh M, Kazerani M, **Salehnasab C**. Mendeley Readers of Highly-Cited Articles in Medical Sciences: Is It Correlated With Citations? Serials Review. 2022:1-6.

2) **Salehnasab C**, Hajifathali A, Asadi F, Parkhideh S, Kazemi A, Roshanpoor A, et al. An Intelligent Clinical Decision Support System for Predicting Acute Graft-versus-host Disease (aGvHD) following Allogeneic Hematopoietic Stem Cell Transplantation. Journal of Biomedical Physics & Engineering. 2021;11(3):345.

3) Rezaianzadeh A, Dastoorpoor M, Sanaei M, **Salehnasab C**, Mohammadi MJ, Mousavizadeh A. Predictors of length of stay in the coronary care unit in patient with acute coronary syndrome based on data mining methods. Clinical Epidemiology and Global Health. 2020;8(2):383-8.

4) Asadi F, **Salehnasab C**, Ajori L. Supervised Algorithms of Machine Learning for the Prediction of Cervical Cancer. J Biomed Phys Eng. 2020 Aug 1;10(4):513-522. doi: 10.31661/jbpe.v0i0.1912-1027. PMID: 32802799; PMCID: PMC7416093.

5) Soltani M, Tabatabaee HR, Saeidinejat S, Eslahi M, Yaghoobi H, Mazloumi E, Rajabi A, Ghasemi A, Keyghobadi N, Enayatrad M, Noori A, Hashemi SA, Zolfizadeh F, Mahdavi S, Valadbeigi T, Etemad K, Taghipour A, **Salehnasab C**, Hajipour M. Assessing the risk factors before pregnancy of preterm births in Iran: a population-based case-control study. BMC Pregnancy Childbirth. 2019 Feb 6;19(1):57. doi: 10.1186/s12884-019-2183-0. PMID: 30727983; PMCID: PMC6364407.

6) **Salehnasab C**, Hajifathali A, Asadi F, Roshandel E, Kazemi A, Roshanpoor A. Machine learning classification algorithms to predict aGvHD following allo-HSCT: a systematic review. Methods of information in medicine. 2019;58(06):205-12.

7) Sadeghi M, Soltani M, Etemad K, Abdollahi M, Sayyadi M, Barzegar M, **Salehnasab C**, Rahmatinejad Z, Rezaei M, Valadbeigi T, Hajipour10 M. The prevalence of anti HCV infection and its related factors in patients with Beta-Thalassemia in Shiraz-Iran. Pharmacophores. 2018 Jan 1;9(1):80-4.

8) Yaghoobi H, Zolfizadeh F, Valadbeigi T, Soltani M, Tabatabaee H, Mirahmadizadeh A, Mahdavi S, Rajabi A, Ghasemi A, Kevghobadi N, **Salehnasab C**. The relationship of digestive system diseases in pregnant women with stillbirth and neonatal death in Iran: A population-based case-control study. Annals of Tropical Medicine and Public Health. 2017 Nov 1;10(6).

9) Valadbeigi T, Gharaei HA, Rajabi A, Tabatabaee HR, Etemad K, Soltani M, ArabAhmadi A, **Salehnasab C**, Almasi SZ, Yaghoobi H, Zolfizadeh F. The relationship between physical violence during pregnancy and stillbirth and neonatal mortality. Journal of Advanced Pharmacy Education and Research. 2017;7(4):450-9.

10) **Salehnasab C**, Jahandideh F, Ahmadzadeh M, Tahmasebian S. USE ASSOCIATION RULES (APRIORI ALGORITHM) TO STUDY THE RELATION BETWEEN VARIABLES THAT AFFECT HIGH BLOOD PRESSURE. Acta HealthMedica. 2017;2(1).

11) Nematollahi M, Akbari R, Nikeghbalian S, **Salehnasab C**. Classification models to predict survival of kidney transplant recipients using two intelligent techniques of data mining and logistic regression. International journal of organ transplantation medicine. 2017;8(2):119.

12) **Salehnasab C**, Jahandideh F, Ahmadzadeh M, Tahmasebian S. Use association rules to study the relation between variables that affect high blood pressure. Journal of Iranian Association of Medical Informatics. 2014;1(1).

SOME PRESENTATIONS at CONFERENCES:

1. Development of a biomarker-based algorithm for GVHD. The 3 National Festival & International Congress on Stem Cell & Regenerative Medicine. Tehran, Iran. 28 Nov-1 Dec 2018.

2. An Intelligent Clinical Decision Support System for Predicting pre-occurrence ofaGVHD following Allo-HSCT. 9th Annual Congress of Iranian Stem Cell Transplantation Association and Transplant Therapy and Nursing. Kermanshah- Iran.19-21 Feb 2020.

3. "Use association rules (Apriori Algorithm) to study the relation between variables that affect high blood pressure". First National Congress of Medical Informatics.2017. Mashhad, Iran.

Project Implementation and Management:

- In PhD:

    Using supervised learning method, we did design and evaluate a Clinical Decision Support System (CDSS) for predicting aGvHD, which is a severe disease with mortality as high as 35%-50%, following AHSCT on the transplantation day applying twenty of Machine Learning classification algorithms. I developed the software using the Python programming language, including Scikit-Learn, PyQt, Django.

- **In MSc:**

    Designed and developed a prediction model for prediction of the likelihood of the kidney transplant survival based on Data-mining and Machine Learning classification algorithms in IBM SPSS Modeler Software/ MATLAB/ Microsoft BI).

- **Other development activities:**

    Development of accounting software, payroll, physician pay, office automation, employee training record system, etc. using FoxPro, Visual Basic, Access, SQL Server, Visual Basic.Net and C#.Net programming languages.

Interest Research:

1. Computer & Information Sciences
2. Machine Learning (Classification – Clustering - Supervised Learning) and Data mining
3. Advanced Machine Learning
4. Federated & Transfer Learning
5. Neural Networks and Artificial Intelligence
6. Clinical Decision Support Systems
7. Feature Extraction
8. Image Processing
9. Computer Vision
10. Feature Selection
11. Healthcare Information System