

Personal Resume

Personal Information

First and Last Name: Soheila saeedi
Employment Status: Obligation
Educational Department: Health Information Management
Academic Rank: Assistant professor
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Educational Information

Specialized or Professional Doctorate: Ph.D. Degree in Medical Informatics

Thesis or Dissertation Title:

Year of Graduation:

Master's Degree- : Master Degree in Health Information Technology

Thesis Title:

Year of Graduation

Bachelor's Degree: Bachelor Degree in Health Information Technology

Year of Graduation:

Executive Records:

1. Health Information Management Expert, Farshchian Cardiovascular Subspecialty Hospital, Hamadan University of Medical Sciences, 2016-2020.
2. Research Expert, School of Paramedical Sciences, Hamadan University of Medical Sciences, 2023.
3. Faculty Member, Department of Health Information Technology, School of Paramedical Sciences, Hamadan University of Medical Sciences, 2023-Present.
3. Head of the Virtual Education Center, Hamadan University of Medical Sciences, 2023-Present.
4. Executive Manager, Journal of Care and Health in the Operating Room, School of Paramedical Sciences, Hamadan University of Medical Sciences, 2023-Present.
5. Member of the Research Council, School of Paramedical Sciences, Hamadan University of Medical Sciences, 2023-Present.
6. Member of the Educational Council, Hamadan University of Medical Sciences, 2024.
7. Member of the Innovation and Health Technology Committee, Paramedical Sciences Research Core, School of Paramedical Sciences, Hamadan University of Medical Sciences, 2023-2024.
8. Member of the Artificial Intelligence Studies Committee, School of Paramedical Sciences, Hamadan University of Medical Sciences, 2024-Present.
9. Member of the Working Group for Comprehensive Quality Management in Medical Sciences Education, Hamadan University of Medical Sciences, 2024-Present.
10. Member of the Working Group for the Development of Education and New Technologies for Learning Enhancement, Hamadan University of Medical Sciences, 2024-Present.
11. Member of the Virtual Education Council, Hamadan University of Medical Sciences, 2024-Present.
12. Member of the Working Group for the Prevention of Intentional Abortion, Vice-Chancellor for Education, Hamadan University of Medical Sciences, 2024-Present.
13. Member of the Committee for Community-Based and Accountable Education, School of Paramedical Sciences, Hamadan University of Medical Sciences, 2024-Present.
14. Member of the Evaluation Committee (Student, Professor, Lesson Plan, and Curriculum Planning), School of Paramedical Sciences, Hamadan University of Medical Sciences, 2024-Present.

Membership in local, provincial, national, and international associations and societies:

Educational Records:

1. Health Information Management Expert, Farshchian Cardiovascular Subspecialty Hospital, Hamadan University of Medical Sciences, 2016-2020.
 2. Research Expert, School of Paramedical Sciences, Hamadan University of Medical Sciences, 2023.
 3. Faculty Member, Department of Health Information Technology, School of Paramedical Sciences, Hamadan University of Medical Sciences, 2023-Present.
 3. Head of the Virtual Education Center, Hamadan University of Medical Sciences, 2023-Present.
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 13. Member of the Committee for Community-Based and Accountable Education, School of Paramedical Sciences, Hamadan University of Medical Sciences, 2024-Present.
 14. Member of the Evaluation Committee (Student, Professor, Lesson Plan, and Curriculum Planning), School of Paramedical Sciences, Hamadan University of Medical Sciences, 2024-Present.
- Taught Workshops:**
1. How to Write a Scientific Proposal
 2. Proposal Writing
 3. Introduction to Types of Studies
 4. Introduction to EndNote Reference Management Software
 5. Introduction to Artificial Intelligence and New Technologies in Healthcare
 6. Introduction to Basic Concepts of Research
 7. Writing Review and Meta-analysis Articles
 8. How to Write a Scientific Paper
 9. Applications of Virtual, Augmented, Mixed Reality, and the Metaverse in Healthcare
 10. Interactive Teaching Methods

Theses:

Research Background

Research Interests:

Published Books:

Authored Books:

1. Clinical Decision Support Systems, Arshadan Publications, 1402 (2023)
2. Telemedicine: Concepts, Applications, and Future Advances, Arshadan Publications, 1403 (2024)
3. Fundamentals of mHealth: From Theory to Practice, Arshadan Publications, 1403 (2024)

Published Articles:

1. Identification of Factors Affecting Prostate Cancer Using Machine Learning Methods: A Systematic Review: S Mohammadi, B Imani, S Saeedi, MA Amirzargar, Asian Pacific Journal of Cancer Prevention 26 (5), 1519-1528; 2025.
2. Predictive Factors of Length of Stay in Intensive Care Unit after Coronary Artery Bypass Graft Surgery based on Machine Learning Methods: A Jafarkhani, B Imani, S Saeedi, A Shams, Archives of Academic Emergency Medicine 13 (1), e35; 2025.
3. Mobile health in communication disorders: willingness to use, attitude, advantages, and challenges from the perspective of patients: T Khodaveisi, H Bouraghi, S Saeedi, M Ghazisaeedi, MS Seifpanahi, BMC Health Services Research 25 (1), 68; 2025.
4. Application of Health Literacy Promotion Systems: An Altmetric Analysis: SAH Ahangari, T Khodaveisi, A Ouchi, H Bouraghi, S Saeedi, HM Zaheri, Health Scope 14 (14); 2025.
5. A Comparative Study of The Efficacy of Photobiomodulation and Electrical Stimulation on Healing of Diabetic Foot Ulcer: A Systematic Review and Meta-Analysis, P Owliaee, S Saeedi, M Kouchaki, MR Asadi, Middle East Journal of Rehabilitation and Health Studies 12 (12); 2025.
6. Predicting Factors Affecting Survival Rate in Patients Undergoing On-Pump Coronary Artery Bypass Graft Surgery Using Machine Learning Methods: A Systematic Review, A Jafarkhani, B Imani, S Saeedi, A Shams, Health Science Reports 8 (1), e70336; 2025.
7. Design and evaluation of a serious video game to treat preschool children with speech sound disorders: S Saeedi, M Ghazisaeedi, N Ramezanghorbani, MS Seifpanahi, Scientific Reports 14 (1), 17299; 2024.
8. Adaptation and validation of the Persian version of the Voice Handicap Index-10 (VHI-10): MA Nazari, S Saeedi, MS Seifpanahi, N Hadi, Journal of Voice; 2024.
9. Challenges and advantages of electronic prescribing system: a survey study and thematic analysis: H Bouraghi, B Imani, A Saeedi, A Mohammadpour, S Saeedi, BMC Health Services Research 24 (1), 689; 2024.
10. Artificial Intelligence in the Operating Room: A Review of Applications: S Saeedi, Avicenna Journal of Care and Health in Operating Room 1 (4), 155-156; 2024.
11. The Vocal Hygiene Treatment Programs for Singers: A Systematic Review: S Saeedi, K Baghban, MS Seifpanahi, MA Nazari, A Moshtagh, Journal of Voice; 2023.
12. An evaluation of the quality of COVID-19 websites in terms of HON principles and using DISCERN tool: R Safdari, M Gholamzadeh, S Saeedi, M Tanhapour, S Rezayi, Health Information & Libraries Journal 40 (4), 371-389; 2023.
13. Adaptation and validation of the Persian Version of the Singing Voice Handicap Index-10 (SVHI-10): MA Nazari, MS Seifpanahi, S Saeedi, Journal of Voice; 2023.
14. Usability evaluation of two national COVID-19 registration systems: a heuristic evaluation: S Saeedi, S Amirazodi, S Rezayi, T Khodaveisi, Avicenna journal of Care and Health in Operating Room 1 (2), 38-43; 2023.
15. The application of wearable smart sensors for monitoring the vital signs of patients in epidemics: a systematic literature review: N Mohammadzadeh, M Gholamzadeh, S Saeedi, S Rezayi, Journal of ambient intelligence and humanized computing 14 (5), 6027-6041; 2023.
16. The willingness and attitudes of speech-language pathologists towards the use of mobile health technology: a survey study: S Saeedi, M Ghazisaeedi, M Ebrahimi, MS Seifpanahi, H Bouraghi, BMC Health Services Research 23 (1), 336; 2023.

17. Virtual reality in cardiac diseases: The challenges and applications, H Bouraghi, A Mohammadpour, T Khodaveisi, M Ghazisaedi, S Saeedi, *Frontiers in Biomedical Technologies* 10 (2), 109-111; 2023.
18. Opportunities and challenges of virtual reality-based interventions for patients with breast cancer: a systematic review: AB Yazdipour, S Saeedi, H Bostan, H Masoorian, H Sajjadi, *BMC Medical Informatics and Decision Making* 23 (1), 17; 2023.
19. MRI-based brain tumor detection using convolutional deep learning methods and chosen machine learning techniques: S Saeedi, S Rezayi, H Keshavarz, S R. Niakan Kalhori, *BMC Medical Informatics and Decision Making* 23 (1), 16; 2023.
20. Comparing the performance of machine learning techniques for low back pain diagnosis: H Bouraghi, S Rezayi, S Saeedi, R Salimi, M Jahani, S Abdolmaleki, *International Journal of Medical Engineering and Informatics* 15 (6), 564-572; 2023.
21. Virtual reality and cardiac diseases: A systematic review of applications and effects: H Bouraghi, A Mohammadpour, T Khodaveisi, M Ghazisaedi, S Saeedi, *Journal of Healthcare Engineering* 2023 (1), 8171057; 2023.
22. Adaptive neuro-fuzzy inference system for the diagnosis of non-mechanical low back pain: M Farzandipour, E Nabovati, E Fakharian, H Akbari, S Saeedi, *International Journal of Medical Engineering and Informatics* 15 (3), 203-212; 2023.
23. Telemedicine for patient management in remote areas and underserved populations: N Mohammadzadeh, S Rezayi, S Saeedi, *Disaster Medicine and Public Health Preparedness* 17, e167, 2023.
24. Telemedicine and natural disasters: various services, requirements, challenges, and general framework: N Mohammadzadeh, S Saeedi, S Rezayi, *Frontiers in Emergency Medicine*; 2022.
25. Using Data Mining Techniques for Early Diagnosis of Breast Cancer: S Rezayi, K Maghooli, S Saeedi, *Applied Health Information Technology*; 2022.
26. Towards a better diagnosis of prostate cancer: application of machine learning algorithms: S Saeedi, K Maghooli, S Amirazodi, S Rezayi, *Frontiers in Health Informatics* 11 (1), 119; 2022.
27. Artificial intelligence approaches on X-ray-oriented images process for early detection of COVID-19: S Rezayi, M Ghazisaedi, SRN Kalhori, S Saeedi, *Journal of Medical Signals & Sensors* 12 (3), 233-253; 2022.
28. Identifying a minimum data set as a necessity to design a web-based personal health record for patients under chronic dialysis: FR Jeddi, E Nabovati, S Rezayi, S Saeedi, S Amirazodi, *Journal of Family Medicine and Primary Care* 11 (3), 969-975; 2022.
29. Telecardiology interventions for patients with cardiovascular disease: a systematic review on characteristics and effects: N Mohammadzadeh, S Rezayi, M Tanhapour, S Saeedi, *International Journal of Medical Informatics* 158, 104663; 2022.
30. Evaluating the usability of a national health information system with heuristic method: H Bouraghi, S Rezayi, S Amirazodi, E Nabovati, S Saeedi, *Journal of Education and Health Promotion* 11 (1), 182; 2022.
31. Effectiveness of artificial intelligence for personalized medicine in neoplasms: a systematic review: S Rezayi, S R Niakan Kalhori, S Saeedi, *BioMed research international* 2022 (1), 7842566; 2022.
32. Basic information requirements for designing COVID-19 disease registration system: S Rezayi, M Ghazisaedi, S Amirazodi, S Saeedi, *International Journal of Electronic Healthcare* 12 (1), 41-53; 2022.
33. Design and evaluation of a web-based personal health record for patients under dialysis: FR Jeddi, E Nabovati, S Saeedi, S Rezayi, S Amirazodi, *Informatics in Medicine Unlocked* 32, 101034; 2022.
34. Application of digital games for speech therapy in children: a systematic review of features and challenges: S Saeedi, H Bouraghi, MS Seifpanahi, M Ghazisaedi, *Journal of healthcare engineering* 2022 (1), 4814945; 2022.
35. Medical informaticians' skills and competencies to achieve roles and opportunities: a qualitative study: S Saeedi, SRN Kalhori, S Rezayi, M Tanhapour, M Gholamzadeh, *Digital Professionalism in Health and Care: Developing the Workforce*; 2022.
36. Telehealth and telemedicine in response to critical coronavirus: a systematic review. R Safdari, M Gholamzadeh, S Rezayi, M Tanhapour, S Saeedi; 2021.
37. Using data mining techniques to fight and control epidemics: A scoping review: R Safdari, S Rezayi, S Saeedi, M Tanhapour, M Gholamzadeh, *Health and Technology* 11 (4), 759-771; 2021.
38. A Review of the Process of Meaningful Use Program and its Challenges in the Electronic Health Record Roadmap: N Mohammadzadeh, S Saeedi, S Rezayi, *Journal of Health and Biomedical Informatics* 8 (1), 117-127; 2021.
39. Applying computer-based games for physical rehabilitation of patients poststroke. S Rezayi, M Ghazisaedi, S Saeedi, *Journal of Biomedical Physics & Engineering*; 2021.

40. Applying Data Mining Approaches for Chronic Kidney Disease Diagnosis: S Rezayi, K Maghooli, S Saeedi, International Journal of Intelligent Systems and Applications in Engineering ;2021.
41. Diagnosis of Mechanical Low Back Pain Using a Fuzzy Logic-Based Approach. E Fakharian, E Nabovati, M Farzandipour, H Akbari, S Saeedi, International Journal of Intelligent Systems and Applications in Engineering; 2021.
42. Applying game-based approaches for physical rehabilitation of poststroke patients: a systematic review. S Saeedi, M Ghazisaeei, S Rezayi, Journal of healthcare engineering 2021 (1), 9928509; 2021.
43. Guidelines and standards for archiving and managing clinical documents and images: A narrative review. S Rezayi, S Saeedi, Journal of Modern Medical Information Science 6 (4), 60-72; 2021.
44. Timely diagnosis of acute lymphoblastic leukemia using artificial intelligence-oriented deep learning methods. S Rezayi, N Mohammadzadeh, H Bouraghi, S Saeedi, A Mohammadpour, Computational Intelligence and Neuroscience 2021 (1), 5478157; 2021.
45. Fuzzy decision support systems to diagnose musculoskeletal disorders: A systematic literature review.M Farzandipour, E Nabovati, S Saeedi, E Fakharian, Computer methods and programs in biomedicine 163, 101-109; 2018.

Research Projects:

7. Information Technology (Emergency Medical Services)
8. Practicum 1
9. Practicum 2
10. Research Methodology
11. Health Information Management 1
12. Health Information Management 2
13. Introduction to Modern Information Technology
14. Computer
15. Specialized Language for HIM (Health Information Management)
16. Professional Ethics

Participation in Conferences and Meetings