

# Shahabeddin Abhari

(B.Sc., M.Sc., MBA., MPH., Ph.D.)  
Postdoctoral Research Fellow at the University of Waterloo, Canada

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[University of Waterloo](http://University of Waterloo) | [www.drshahababhari.com](http://www.drshahababhari.com)  
[Google Scholar](http://Google Scholar) | [LinkedIn](http://LinkedIn) | [ResearchGate](http://ResearchGate) | [ORCID](http://ORCID)

## Profile Summary

I am Shahabeddin Abhari, a dynamic researcher, lecturer, and consultant specializing in the digital health and health informatics domain. As a Postdoctoral Research Fellow at the University of Waterloo in Canada, I am currently leading or cooperating projects focused on establishing standards for Active Assisted Living, AgeTech and, exploring generative AI such as ChatGPT applications in healthcare. With a background as an Assistant Professor of Health Information Technology in Iran, a Ph.D. in Health Information Management, and extensive teaching experience, I bring a wealth of expertise to areas such as Digital Health, Health Informatics, Health Policy and AI in Healthcare and more. Notably, I have published over 30 scientific papers in health informatics and health sciences domains, accumulating more than 800 citations. Additionally, I have actively participated in more than 20 conferences, contributing to the vibrant exchange of ideas in these academic forums. My commitment to interdisciplinary approaches is reflected in my completion of an MPH in Health Policy and an MBA in Healthcare. I am passionate about collaborating with students, researchers, startup teams, companies, and managers actively engaged in the digital health space.

## Education

### Postdoctoral Fellowship

January 2023 – Now

University of Waterloo-UbiLab | Waterloo, Canada

Research projects: *Development of standards and guidelines in the AgeTech and active assisted living (AAL) domain -Identifying the applications of generative AI such as ChatGPT in healthcare*

October 2016 – February 2020

### PhD: Health Information Management (GPA 18.73/20)

Tehran University of Medical Sciences (TUMS) | Tehran, Iran

Thesis Title: *Designing, implementing and evaluating a nutrition recommender system and telenutrition*

### MBA: Master of Business Administration in Healthcare (GPA 99/100)

Shahid Beheshti University of Medical Sciences (SBMU) | Tehran, Iran

Research Project Title: *Feasibility of implementing an electronic-based start-up for older adults.*

### MPH: Master of Public Health and Health Policy (GPA 16.96/20)

Health Policy Research Center | Shiraz, Iran

Research Project Title: *Acceptance of Health Information Technologies, Acceptance of Mobile Health*

### MSc: Health Information Technology (GPA 17.23/20)

Shiraz University of Medical Sciences (SUMS) | Shiraz, Iran

Thesis Title: *Designing and evaluating a thesis tele-supervision system for postgraduate medical sciences students*

### BSc: Health Information Technology (GPA 16.52/20)

Shiraz University of Medical Sciences (SUMS) | Shiraz, Iran

Research Project Title: *Feasibility study on telemedicine implementation in Iran*

July 2018 – January 2020

January 2014 – July 2016

August 2013 – February 2016

August 2009 – July 2013

## Research Interests

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- Digital Health
- Health Informatics
- AI in Healthcare
- AAL and AgeTech
- Innovation and Entrepreneurship in Digital Health
- Designing and Implementing Health Information Systems
- Electronic Health Records (EHR)
- Public Health
- Health Policy
- Health Economics

## Publications

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Citations 830	h-index in Google Scholar 12	Journal Papers 42	Conference Papers 23
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1. Fatehi, F., **Abhari, S.**, Sarafinejad, A., & Naji, S. (2025). Large Language Models in Healthcare: A Synoptic Overview of Potential Applications and Concerns. *Healthcare Informatics Research*. [Under review].
2. Hanjahanja-Phiri, T., Morgan, G., **Abhari, S.**, Bin Noon, G., Chumachenko, D., & Morita, P. P. (2024). Perspectives of Older Adults on the Ethics of AAL Technologies for Smart Home Communities – A Scoping Review and Conceptual Framework. *Digital Health*. [In Press].
3. Hanafy, S., Bouakkar, J., Hanjahanja-Phiri, T., Ettefagh, A., Saragadam, A., **Abhari, S.**, Chan, A., Ríos Rincón, A., & Roshan-Fekr, A. (2024). Stakeholder Perspectives on Barriers and Opportunities of Remote Monitoring Technologies for Older Adults: A Comprehensive Literature Review. *JMIR Aging*. [Under review].
4. **Abhari, S.**, Garavand, A., Bagheri, F., Najafi, A. H., Samdaliri, A., Zolfalipour, Z., Asgarpour, M., Razi, F., & Barzegari, S. (2024). Quality of Iranian hospitals and other health centers websites in attracting medical tourists: a comprehensive assessment across the country. *Journal of Education and Health Promotion*. [Under review]
5. **Abhari S**, Bin Noon G, Wang K, Morita PP.(2024). Overview of the potential applications of generative AI in AgeTech and independent living for older adults in the future: The opportunities and challenges. *Frontiers in Aging*. [Under review].
6. Aslani, N., **Abhari, S.**, Shiri, Z., & Garavand, A. (2024). Quality Assessment and Functionality of Iranian Nutrition-related Apps: A Systematic Search. *Journal of Education and Health Promotion*. [In Press].
7. Wang, K., Saragadam, A., Kaur, J., Dogra, A., Cao, S., Ghafurian, M., Butt, Z. A., **Abhari, S.**, Chumachenko, D., & Morita, P. P. A Contactless Method for Recognition of Daily Living Activities for Older Adults Based on Ambient Assisted Living Technology. *Internet of Things*, 101502.
8. Gharamohammadi, A., Bagheri, M. O., Riad, M. M. Y. R., Abu-Sardanah, S., Abedi, H., Ansariyan, A., Wang, K., Saragadam, A., Chumachenko, D., **Abhari, S.**, Morita, P. P., Khajepour, A., & Shaker, G. (2025). Smart furniture using radar technology for cardiac health monitoring. *Scientific Reports*, 15(1), 1392.
9. **Abhari, S.**, Afshari, Y., Fatehi, F., Salmani, H., Garavand, A., Chumachenko, D., & Morita, PP. (2024). Exploring ChatGPT in Clinical Inquiry: A Scoping Review of Characteristics, Applications, Challenges, and Evaluation. *Annals of Medicine and Surgery*, 86(12), 7094-7104.
10. **Abhari, S.**, McMurray, J., Randhawa, T., Bin Noon, G., Hanjahanja-Phiri, T., McNeil, H., ... & Pelegrini Morita, P. (2024). Exploring the Landscape of Standards and Guidelines in AgeTech Design and Development: Scoping Review and Thematic Analysis. *JMIR aging*, 7, e58196
11. **Abhari, S.**, Fatahi, S., Saragadam, A., Chumachenko, D., & Morita, P. P. (2024). A Road Map of Prompt Engineering for ChatGPT in Healthcare: A Perspective Study. *Studies in health technology and informatics*, 316, 998-1002.
12. Wang, K., Ghafurian, M., Chumachenko, D., Cao, S., Butt, Z., Salim, S., **Abhari, S.**; Morita, P. (2024). Application of artificial intelligence in active assisted living for aging population in real-world setting with commercial devices—A scoping review. *Computers in Biology and Medicine*, 108340.

13. **Abhari S**, Lankarani KB, Azadbakht L, Niakan Kalhori SR, Safdari R, Emamgholipour Sefiddashti S, Garavand A, Barzegari S, Moradi S. Designing and Evaluating a Nutrition Recommender System for Improving Food Security in a Developing Country. *Arch Iran Med*. 2023 Nov 1;26(11):629-641.

14. **Abhari, S.**, Morita, P. P., Miranda, P., Garavand, A., Phiri, T., & Chumachenko, D. (2023). Non-Fungible Tokens (NFTs) in healthcare: A scoping review. *Frontiers in Public Health*, 11, 1266385.

15. Morita, P., **Abhari, S.**, & Kaur, J. (2023). Do ChatGPT and Other Artificial Intelligence Bots Have the Potential to Apply in Health Policy-Making? Opportunities and Threats. *International Journal of Health Policy and Management*.

16. Miranda, P., Kaur, J., **Abhari, S.**, & Morita, P. P. (2023). ChatGPT for Systematic and Scoping Reviews in Public Health Research: An Applicable Approach. *European Journal of Public Health*, 33(Supplement 2), ckad160-1237.

17. Morita, P. P., **Abhari, S.**, Kaur, J., Lotto, M., Miranda, P. A. D. S. E. S., & Oetomo, A. (2023). Applying ChatGPT in public health: a SWOT and PESTLE analysis. *Frontiers in Public Health*, 11, 1225861.

18. Pormehdi Ganji, Z., Ahmadzadeh, A., **Abhari, S.**, & Rezapour, M. (2023). The Associations Between Sources of Vaccine News and the Intention to Change Adherence to COVID-19 Preventive Health Measures. *Journal of Research and Health*, 13(5), 359-372.

19. Rezapour, M., **Abhari, S.**, Ganji, S. Z. P., Khosravi, P., & Shooraj, M. (2022). The Intention of Changing Adherence to COVID-19 Preventive Health Measures After Implementation of COVID-19 Vaccination Program: An Online-Based Study in Mazandaran Province, Iran. *Shiraz E-Medical Journal*, 23(8).

20. Ghazisaeedi, M., Shahmoradi, L., Garavand, A., Maleki, M., **Abhari, S.**, Ladan, M., & Mehdizadeh, S. (2022). Developing a Clinical Decision Support System for Prediction Postoperative Coronary Artery Bypass Grafting Infection in Diabetic Patients. *Journal of Biomedical Physics and Engineering*, 12(6), 583-590.

21. Zakerabasali, S., Ayyoubzadeh, S. M., Baniasadi, T., Yazdani, A., & **Abhari, S.** (2021). Mobile Health Technology and Healthcare Providers: Systemic Barriers to Adoption. *Healthcare Informatics Research*, 27(4), 267-278.

22. Garavand A, Aslani N, Ayyoubzadeh SM, **Abhari S**. E-booking Websites in Iranian Public Clinics: A Step Toward Health Equity. *Shiraz E-Medical Journal*. 2018 Dec 31.

23. Abhari K, Saadati S, Yari Z, Hosseini H, Hedayati M, **Abhari S**, Alavian SM, Hekmatdoost A. The effects of Bacillus coagulans supplementation in patients with non-alcoholic fatty liver disease: A randomized, placebo-controlled, clinical trial. *Clinical Nutrition ESPEN*. 2020 Oct 1;39:53-60.

24. Mohammadi R, Tabanejad Z, **Abhari S**, Honarvar B, Lazem M, Maleki M, Garavand A. A Systematic Review of the Use of Telemedicine in the Military Forces Worldwide. *Shiraz E-Medical Journal*. 2020 Nov 30;21(11).

25. Rabiei, R., Mohammadi Moghadam, Y., Aslani, N., Garavand, A., Kazemnejad, A., & **Abhari, S.** (2020). Knowledge Management Status in a Non-governmental Public Hospital: The Current Status and Improvement Solutions. *Journal of Health Management & Informatics*, 7(1), 24-30.

26. **Abhari, S.**, Niakan Kalhori, S. R., Ebrahimi, M., Hasannejad, H., & Garavand, A. (2019). Artificial intelligence applications in type 2 diabetes mellitus care: focus on machine learning methods. *Healthcare informatics research*, 25(4), 248-261.

27. Karbasi, Z., Kadivar, M., Safdari, R., Shahmoradi, L., Zahmatkeshan, M., Zakerabasali, S., **Abhari, S.** (2019). Better monitoring of abused children by designing a child abuse surveillance system: Determining national child abuse minimum data set. *The International Journal of Health Planning and Management*.

28. **Abhari, S.**, Safdari, R., Azadbakht, L., Lankarani, K. B., Kalhori, S. R. N., Honarvar, B., ... & Jalilpiran, Y. (2019). A Systematic Review of Nutrition Recommendation Systems: With Focus on Technical Aspects. *Journal of Biomedical Physics & Engineering*, 9(6), 591.

29. **Abhari, SH**; Monem, H; Garavand, A; Bastani, P; Rezaee, R. (2019). Designing a thesis tele-supervision system for postgraduate medical sciences students. *Journal of Advances in Medical Education & Professionalism*, 7(4), 191.

30. Zakerabasali, S., Safdari, R., Kadivar, M., Rostam Niakan Kalhori, S., Mokhtaran, M., Karbasi, Z., ... & **Abhari, S.** (2019). Neonatal abstinence syndrome: a systematic review of current databases and registries. *The Journal of Maternal-Fetal & Neonatal Medicine*, 1-14.

31. Samadbeik, M; Yaaghobi, D; Bastani, P; **Abhari, SH**; Rezaee, Rita; Garavand, A. (2018). The applications of virtual reality technology in medical groups teaching. *Journal of Advances in Medical Education & Professionalism*. 6(3): 123-129.

32. Garavand, A; Mohammadi, R; Nikokalam, M; Bastani, P; Ghalanesh, S, **Abhari, SH**.(2018). Citation and Content Analysis of Journal of Health Management and Informatics in 2014-2016. *Journal of Health Management and Informatics*. 5(2): 72-77.

33. Garavand, A; Samadbeik, M; Kafashi, M; **Abhari, SH**. (2017). Acceptance of Health Information Technologies, Acceptance of Mobile Health: A Review Article. *Journal of Biomedical Physics & Engineering* 7(4): 403.
34. Garavand, A; Asadi, H; Samadbeik, M; Hasumi, M; Mohammadi, R; **Abhari, SH**. (2017). An Assessment of Infrastructures of Telemedicine at Shiraz University of Medical Sciences. *Journal of Health Management and Informatics* 4(2): 51-56.
35. Garavand, A; Samadbeik, M; Kafashi, M; **Abhari, SH**. (2016). The Identification and Classification of Deployment Challenges Related to Electronic Health Records: A Review Article. *Shiraz E-Medical Journal* 17(2).
36. Garavand, A; Samadbeik, M; Asadi, H; **Abhari, SH**. (2016). Readiness of Shiraz teaching hospitals to implement Electronic Medical Record (EMR). *Journal of Health Management and Informatics* 3(3): 82-88.
37. Bastani, P; Garavand, A; **Abhari, SH**. (2016). Evaluation of Internet booking system in Websites of Health Centers Affiliated with Medical Universities in Iran. *Journal of Health and Biomedical Informatics* 2(4): 219-228.
38. Bastani, P; Barati, O; Sadeghi, A; Sharifi, S; **Abhari, SH**. (2016). Analysis of Service Quality Gap in Outpatient Wards Using SERVQUAL Model in Shahid Motahhari Clinic of Shiraz in 2014. *Journal of Rafsanjan University of Medical Sciences* 14(12): 1015-1032. [In Persian]
39. Keshavarz, M; **Abhari, SH**. (2015). An Overview on Infrastructure of Digital Prescription and a Proposed Strategic Plan. *Journal of Health Management and Informatics* 2(2): 28-33
40. Nematollahi, M; **Abhari, SH**; Garavand, A. Attitudes and behaviors related to introduction of Electronic Health Record (EHR) among Shiraz University students in 2014. *Journal of Health Management and Informatics* 2(3): 97-100.
41. Barati, O; Bastani, P; **Abhari, SH**. (2015). Educational Needs Assessment for Employees in Outpatient Department: A case of Motahari and Imam Reza Centers. *Interdisciplinary Journal of Virtual Learning in Medical Sciences*. 5(4):37-44. [In Persian]
42. **Abhari, SH**; Garavand, A; Kafashi, M. (2014). A Comprehensive Overview of Biomedical Informatics. *Journal of Health and Biomedical Informatics* 2(2): 129-131.
43. Nematollahi, M; **Abhari, SH**. (2014). Assessing the information and communication technology infrastructures of Shiraz university of medical sciences in order to implement the telemedicine system in 2013. *Interdisciplinary Journal of Virtual Learning in Medical Sciences (IJVLMS)* 5(2): 44-51. [In Persian]

## Conference Papers

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1. **Abhari, S.**, Joshi, T., McMurray, J., Bin Noon, G., McNeil, H., Manning, F., Debergue, P., Teague, J., & Morita, P. P. (2024). Exploring Standards and Guidelines in AgeTech Design and Development: A Review of Academic and Gray Literature. AGE-WELL Conference 2024. Edmonton, Alberta, Canada, 23-24 October 2024 (Oral presentation).
2. Tamburri, N., Hettiarachchige, O., Koubasi, F., & **Abhari, S.** (2024). MoCam: Walk with Confidence Using a Wearable, Environmental Hazard Alert System. AGE-WELL Conference 2024. Edmonton, Alberta, Canada, 23-24 October 2024.
3. **Abhari, S.**, McMurray, J., Randhawa, T., Bin Noon, G., Hanjahanja-Phiri, T., McNeil, H., Manning, F., Debergue, P., Teague, J., & Morita, P. P. (2024). Exploring the Landscape of Standards and Guidelines in AgeTech Design and Development. 17th European Public Health Conference 2024. Lisbon, Portugal, 12-15 November 2024 (Oral presentation).
4. **Abhari, S.**, Fatahi, S., Saragadam, A., Chumachenko, D., & Morita, P. P. (2024). A Road Map of Prompt Engineering for ChatGPT in Healthcare: A Perspective Study. 17th European Public Health Conference 2024. Lisbon, Portugal, 12-15 November 2024.
5. **Abhari, S.**, Bin Noon, G., Wang, K., & Morita, P. P. (2024). Overview of the potential applications of generative AI in AgeTech for older adults in future. 17th European Public Health Conference 2024. Lisbon, Portugal, 12-15 November 2024. (Oral presentation).
6. **Abhari, S.**, Fatahi, S., Saragadam, A., Chumachenko, D., & Morita, P. P. (2024). A Road Map of Prompt Engineering for ChatGPT in Healthcare: A Perspective Study. 34th Medical Informatics Europe Conference. Athens, Greece, 25 to 29 August 2024 (Oral presentation).
7. **Abhari, S.**, Morita, P., & Kaur, J. (2024). Enhancing Health Policy-Making Through ChatGPT: Opportunities and Threats. Paper presented at Data for Policy 2024, London, July 9-11, 2024 (Oral presentation).

8. Miranda, P., Kaur, J., **Abhari, S.**, & Morita, P. P. (2023). ChatGPT for Systematic and Scoping Reviews in Public Health Research: An Applicable Approach. 16th European Public Health Conference. 8-11 November 2023. Dublin, Ireland.
9. **Abhari, SH.**, Safdari, R., Azadbakht, L., Lankarani, K. B., Kalhori, S. R. N. Designing and evaluating a nutrition recommender system for improving food security in a developing country. International Congress of Artificial Intelligence in Medical Sciences. 17-19 May 2023. Kish, Iran (Oral presentation).
10. **Abhari, SH**; Aslani, N; Garavand, A. Entrepreneurial opportunities in health of elderly through mobile health. 4th Shiraz International Congress on Mobile Health. 16nd to 18rd February 2021. Shiraz, Iran (Oral presentation).
11. Samadbeik, M; Abtin, A; Garavand, A; Aslani, N; **Abhari, SH**. Evaluation and Ranking of Mobile Applications Drug Adherence Quality in Iran: A Systematized Review. 4th Shiraz International Congress on Mobile Health. 16nd to 18rd February 2021. Shiraz, Iran
12. Abajlou, AH; Aslani, N; **Abhari, SH**; Garavand, A. Providing healthcare services for patients with chronic diseases during the outbreak of COVID-19 by applying smart phones: A review of conducted studies. 4th Shiraz International Congress on Mobile Health. 16nd to 18rd February 2021. Shiraz, Iran
13. **Abhari, S.**, Safdari, R., Azadbakht, L., Lankarani, K. B., Kalhori, S. R. N., Honarvar, B.(2019). Can Text Messaging and Mobile Phone Apps Improve Adherence to Healthy Diet in Adults. Shiraz Third International Congress on mHealth 20nd to 21rd February 2019. Shiraz, Iran
14. **Abhari, S.**, Lankarani, K. B., Safdari, R., Azadbakht, L., Lankarani, K. B., Kalhori, S. R. N., Honarvar, B.(2019). How mHealth can help dietary assessment. Shiraz Third International Congress on mHealth 20nd to 21rd February 2019. Shiraz, Iran
15. Safdari, R., Karbasi, Z., Zahmatkeshan, M., **Abhari, S.**. Assessment of mobile applications for cardiovascular disease : A review of feasibility,usability and accessibility. Shiraz Third International Congress on mHealth 20nd to 21rd February 2019. Shiraz, Iran
16. **Abhari, SH**; Niakan Kalhori, SR. (2017). Mobile Applications for Smoking Cessation : A Systematic Review. Shiraz Second International Congress on mHealth. 22nd to 23rd February 2017. Shiraz, Iran
17. **Abhari, SH**; Monem, H; Bastani, P; Rezaee, R. (2017). Designing a thesis tele-supervision system for postgraduate medical sciences students .Fisrt Congress of Diseases and Health Outcomes Registry and Congress of Medical Informatics. 13nd to 17rd February 2017. Mashhad, Iran (Oral presentation).
18. Karbasi, Z; **Abhari, SH**, Hajesmael, GS; Niakan Kalhori, SR. (2017). Effectiveness of virtual reality technology application in medical education: a review of evidences. Fisrt Congress of Diseases and Health Outcomes Registry and Congress of Medical Informatics. 13nd to 17rd February 2017. Mashhad, Iran (Oral presentation).
19. **Abhari, SH**; Sharifian, R.(2015). The Need for Integration of the International Classification of Health Interventions (ICHI) with Radiology Information System (RIS) in order to Support Data Mining and Knowledge Discovery Process.The 6th Iranian Imaging Informatics Conference. 5th and 7th August 2015.Tehran, Iran (Oral presentation).
20. **Abhari, SH**; Sharifian, R; Saeedinejhad, S. (2015). m-Health and telemedicine soft ware in Shiraz University of Medical Sciences. Shiraz First International Congress on mHealth. 17th and 18th May 2015. Shiraz, Iran (Oral presentation).
21. **Abhari, SH**. (2015). Opportunities and Challenges of Using Smartphone Medical Applications for Healthcare Providers. Shiraz First International Congress on mHealth. 17th and 18th May 2015. Shiraz, Iran
22. **Abhari, SH**; Sharifian, R; Nematollahi, M; Emadi, S.(2014). Evaluation of the Key Features of Radiology Information System (RIS) in Nemazee and Shahid Faghihi Hospitals. The 5th Iranian Imaging Informatics Conference. 17th and 18th January 2014. Shiraz, Iran
23. Nematollahi, M; **Abhari, SH**. (2013). Assessing the information and communication technology infrastructures of Shiraz university of medical sciences in order to implement the telemedicine system. First International Congress of Electronic Learning in Medical Sciences. 23th and 24th October 2013. Shiraz, Iran (Oral presentation).
24. Bayati, S; Haghshenas, M; Esmaeeli, T; **Abhari, SH**. (2011). Study of Iran's situation in attracting medical tourism compared to Persian Gulf countries. First International Congress on Tourism Management and Sustainable Development. 29th and 30th September 2011 (Oral presenation).

## Teaching and Thesis Supervision Experience

- 1- Supervisor assistant of 2 PhD students and one master student in the Health Informatics domain, University of Waterloo-UbiLab, Waterloo, Canada, 2023-2024

I. The title of PhD thesis: *The future of AAL: Establishing a comprehensive framework for use of Active Assisted Living data in older adult care*

II. The title of thesis PhD: *Enhancing Public Health through Dynamic Consent and Private Ledger Integration: A Proposal for Advanced Data Management*

III. The title of MSc thesis: *Resolving Rhythms: A Comparative Study of AAL Sensor Quantity and Data Granularity in Supervised Machine Learning for Activity Recognition*

2- Teaching many courses for BSc students of Health Information Technology, more than 800 hours, Mazandaran University of Medical Sciences, Iran/January 2020- December 2022

Details of Courses:

Title	No. of Credits	Course Hours			Number of semesters that I have taught this course
		Theoretical	Practical	Total	
Health Information Technology 3	2	34	-	34	1
Indicators and Analysis of Health Data	2	34	-	34	2
Health Economics	1	17	-	17	2
Health Insurance and Health Economics	2	34	-	34	1
International Classification & Nomenclature of Diseases	3	34	34	68	2
International Classification of Health Procedures	1	-	34	34	1
Health Information Systems	2	34	-	34	2
Applications of Health Information Systems	2	34	-	34	2
Lab of Applications of Health Information Systems	1	-	34	34	2
Internship in Health Information Systems	1	-	51	51	2
Health Information Management 1	2	34	-	34	2
Health Information Management 2	2	34	-	34	1
Internship in Health Information Management	2	-	102	102	2
Health Informatics 1	2	34	-	34	1
Health Informatics 2	2	34	-	34	1
Management of Health Information Systems	2	34	-	34	2
Electronic Health Record	2	34	-	34	1
Personal & Workplace Management Principles	2	34	-	34	1
Principles of Management	2	34	-	34	2
Database Design Principles	2	17	34	51	1
Introduction to Computers and Applications	2	17	34	51	1

2. Health Informatics for IT & Computer sciences students want to participate at MSc exam in medical informatics, 80 hours, Fazel higher education institution, Shiraz, Iran/2013-2105

3. Health Information Systems for BSc students of Health Information Technology, 32 hours, Shiraz University of Medical Sciences, Shiraz, Iran/2015

## Professional Experiences

1- **Postdoctoral Fellowship** January 2023- Now  
 School of Public Health Sciences, University of Waterloo  
 Waterloo, Canada
 

- UbiLab Leadership Member
- Leader of Three Research Projects and Cooperate in More Than 5 Research Projects
- Supervisor Assistant of 2 PhD Students and One Master's Student in Health Informatics

2- <b>Assistant Professor of Health Information Technology</b>	January 2020- December 2022
School of Paramedical Sciences, Mazandaran University of Medical Sciences Mazandaran, Iran	
<ul style="list-style-type: none"> <li>• Member of the Educational and Research Council</li> <li>• Adviser to the Scientific Association of Paramedical, Nursing and Medical Students</li> <li>• Educational and Research Mentor of Health Information Technology Students</li> </ul>	
3- <b>Research &amp; Development advisor and Digital Marketing Expert</b>	January 2017 – January 2019
TeleTeb (Knowledge Development and e-Health Services Company) Tehran, Iran	
<ul style="list-style-type: none"> <li>• Developed and implemented R&amp;D strategies, guided the creation of digital health products like mobile apps and telehealth platforms, and ensured compliance with regulatory standards.</li> <li>• Conducted assessments of emerging technologies and market research to identify opportunities, optimize product performance, and drive innovation.</li> <li>• Collaborated with stakeholders to align R&amp;D efforts with business objectives and led pilot testing initiatives to evaluate and refine digital health solutions.</li> </ul>	
4- <b>Executive Manager</b>	March 2016- September 2016
Health Human Resources Research Center, Shiraz University of Medical Sciences Shiraz, Iran	
<ul style="list-style-type: none"> <li>• Led the development and execution of the center's strategic plan and managed research programs in healthcare management, health economics, health information technology, and health informatics.</li> <li>• Secured funding through grants and partnerships, and engaged with key stakeholders, including policymakers and industry leaders, to influence health policy and practice.</li> <li>• Oversaw day-to-day operations, coordinated a multidisciplinary team, and managed the dissemination of research outcomes to enhance the center's visibility and impact.</li> </ul>	
5- <b>Public Relations Manager and Webmaster</b>	October 2014- September 2016
School of Management and Medical Informatics, Shiraz University of Medical Sciences Shiraz, Iran	
<ul style="list-style-type: none"> <li>• Developed and executed strategies to enhance the school's visibility, managed media relations, and fostered engagement with stakeholders, including students, faculty, alumni, and industry partners.</li> <li>• Organized and promoted events, created and managed content for communication channels, and ensured consistent messaging across newsletters, social media, and internal platforms.</li> <li>• Managed the school's website, implemented SEO and digital marketing strategies, and analyzed digital metrics to improve online visibility and engagement.</li> </ul>	
6- <b>Executive Manager and Webmaster</b>	October 2013- January 2015
Journal of Health Management and Informatics, Shiraz University of Medical Sciences Shiraz, Iran	
<ul style="list-style-type: none"> <li>• Developed editorial policies, long-term strategies, and managed the manuscript submission and peer-review process to enhance the journal's impact and maintain high-quality content.</li> <li>• Streamlined editorial workflows, coordinated with the editorial board and reviewers, managed publication scheduling, and vendor relationships to ensure efficient production.</li> <li>• Maintained the journal's website, updated content promptly, ensured compliance with data protection regulations, and provided technical support to users.</li> </ul>	

## Funded Research Projects and Grants

Title	Funder	Role	Status	Year
1. AI and IoT Enhanced Climate-Health Surveillance: Predicting Heatwaves, Air pollution, and Flooding Events Health Risks	NSERC, Canada	Co-investigator	Under preparation	2024
2. AI and IoT Enhanced Climate-Health Surveillance: Predicting Heatwaves, Air pollution, and Flooding Events Health Risks	CIHR, Canada	Co-investigator	Under preparation	2024
3. Design and Implementation of an Intelligent Patient Triage System Utilizing Generative AI Bots in a Hospital in Ontario	CIHR, Canada	Co-investigator	Under preparation	2024

4.	Evaluation of the Quality of Hospital and Medical Center Websites Licensed for International Patient Departments in Iran to Attract Medical Tourists	Mazandaran University of Medical Sciences, Iran	Principal investigator	Done	2022
5.	Systematic Registration of COVID-19 Patient Information at Imam Khomeini Hospital in Amol	Mazandaran University of Medical Sciences, Iran	Co-investigator	Done	2020
6.	Design and Creation of a National Competitive Platform for the Participation and Ranking of Artificial Intelligence Algorithms for the Diagnosis of COVID-19	Tehran University of Medical Sciences, Iran	Co-investigator	Done	2020
7.	Content and Citation Analysis of the Journal of Health Management and Informatics from 2012 to 2015	Shiraz University of Medical Sciences, Iran	Co-investigator	Done	2016

## Technical and Consulting Reports

1. Bin Noon, G., **Abhari, S.**, Morgan, G., Al-Saghier, R., Chumachenko, D., & Morita, P. P. *Guidelines for Smart Home Retrofits and New Builds for Aging at Home*. Canadian Standards Association, Toronto, Canada, 2024, 1-35.
2. **Abhari, S.**, McMurray, J., Randhawa, T., Bin Noon, G., Hanjhanja-Phiri, T., Morita, P. P. *Landscape of Standards and Guidelines in AgeTech Design and Development*. Canadian Standards Association, Toronto, Canada, 2024. **(Under preparation)**

## Attendance at Workshops

1. Runner-Up of the AGE-WELL Epic Summer Institute Pitch Award, Toronto, Canada
2. Principles of teaching, 20 hours, University of Waterloo, Waterloo, Canada
3. Writing the proposal, 10 hours, Shiraz University of Medical Sciences, Shiraz, Iran
4. Microsoft office, 32 hours, Industrial Management Institute, Shiraz, Iran
5. Scientific writing, 10 hours, Shiraz University of Medical Sciences, Shiraz, Iran
6. Medical journalism, 32 hours, Shiraz University of Medical Sciences, Shiraz, Iran
7. Object oriented programing, 50 hours, Industrial Management Institute, Shiraz, Iran
8. Meta-analysis software, 8 hours, Shiraz University of Medical Sciences, Shiraz, Iran
9. Principles of teaching method, 8 hours, Tehran University of Medical Sciences, Tehran, Iran
10. SPSS software, 20 hours, Tehran University of Medical Sciences, Tehran, Iran
11. Endnote software, 8 hours, Tehran University of Medical Sciences, Tehran, Iran
12. MATLAB software, 20 hours, University of Tehran, Tehran, Iran
13. Best Evidence Medical Education (BEME), 2 hours, Mazandaran University of Medical Sciences, Sari, Iran
14. Unit plan and course plan, 2 hours, Mazandaran University of Medical Sciences, Sari, Iran
15. Principles of teaching method, 8 hours, Mazandaran University of Medical Sciences, Sari, Iran

## Peer-Reviewing in International Journals

- International Journal of Medical Informatics
- Journal of Medical Internet Research
- Computers in Biology and Medicine
- JMIR Aging
- Nature Sustainability
- Computers in Biology and Medicine
- Applied Clinical Informatics
- Health and Technology
- Health Information Management Journal
- Digital Health
- International Journal of Mental Health and Addiction
- Shiraz E-Medical Journal
- Journal of Health Management and Informatics

## Membership in Scientific Committees for International Conferences

1. 4th International Mobile Health Congress held on 16-18 February 2021. Shiraz, Iran
2. 5th International Mobile Health Congress held on 24-26 January 2023. Shiraz, Iran

## Honors

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1. The Second National Rank in the Ph.D Entrance Exam-2016
2. Member of Talents of Tehran University of Medical Sciences-2016
3. Winning the title of the best educational process in Shahid Motahari Educational Festival (Iranian Educational Festival)-2016

## Software Skills

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- SPSS
- EndNote
- MAXQDA and Nvivo
- UML Diagram Software Tools
- Microsoft Office Suite
- Covidence
- Communication and Collaboration Tools (Slack, Microsoft Teams, Zoom, etc.)
- AI Tools for Researcher(ChatGPT, Typeset.io, Scite.ai, Quillbot, etc )

## Soft Skills

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- Teamwork and Collaboration
- Communication Skills
- Adaptability and Flexibility
- Time Management
- Problem-Solving
- Leadership
- Creativity
- Emotional Intelligence

## Languages

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- Persian: Native
- English: Professional working proficiency
- Arabic : Elementry

## References

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(Until 1 March 2025)