


Dr Shahabedin Rahmatizadeh

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CAREER OVERVIEW

I have a strong background in Computer Engineering with a PhD in Medical Informatics. My interests and expertise are “*Health Informatics*”, “*Digital Health*”, “*Usability of Health Systems and Applications*”, “*IT Application in Healthcare*” and “*Clinical Decision Support System*”. During my career, I have been involved in many projects in digital health and its related topics as principal investigator (supervisor). At the present, I work as an assistant professor at Shahid Beheshti University of Medical Sciences. I also have a patent entitled “*Hand Focus Measurement Device*”. During my career, I have successfully secured funding for +25 research projects, and I have published 28 papers in peer-reviewed journals and conferences with an H index of 8.



EDUCATION

Doctor of Philosophy- Medical Informatics | Department of Health Information Technology and Management, Shahid Beheshti University of Medical Sciences
2011-2016

Thesis Title: Designing and evaluating a clinical decision support system for predicting graft survival in kidney transplantation

Master of Science – Computer Engineering- Computer Architecture | Department of Electrical and Computer Engineering, Shahid Beheshti University
2005–2008

Thesis Title: Applying Ant-colony-based algorithms for routing in computer networks

Bachelor of Science- Computer Engineering- Hardware | Department of Electrical and Computer Engineering, Shahid Beheshti University
2001–2005

GPA: 16.24/20 (Rank: 1st among all graduated students in the same year- Award winner)



ACADEMIC EXPERIENCE

Assistant professor | Department of Health Information Technology and Management, School of Allied Medical Sciences, Shahid Beheshti University of Medical Sciences

2017-NOW

Teaching experience:

- **Postgraduate Subjects:**
 - Knowledge Discovery and Data Mining In Medical Databases
 - Data Structure and Programming
 - Communication Networks in The Health System
 - Intelligent Probes in Medicine
 - Information Security In E-Learning Systems,
 - Information Technology in Healthcare
 - Artificial Neural Networks and Intelligent Systems in Medicine
 - Data Structure and Programming
 - Principles Of Programming
 - Web And Windows Programming
 - Computer Networks and System Security
 - Health Communication Technology
 - Special Topics in Medical Informatics
- **Undergraduate Subjects:**
 - Introduction to Information Technology
 - Computer and Its Applications
 - Computer Programming

Lecturer | Department of Health Information Technology and Management, School of Allied Medical Sciences, Shahid Beheshti University of Medical Sciences

2008 – 2011

Teaching experience:

- **Postgraduate Subjects:**
 - Data Structure and Programming
 - Principles of Computer
 - Information Technology
 - Utilization of Computer in Information Systems
 - Introduction to Information Engineering
 - Web and Windows Programming
 - Medical Information Systems
- **Undergraduate Subjects:**
 - Introduction to Information Technology
 - Introduction to Operating Systems
 - Health Information Technology

Guest Lecturer | Tehran University of Medical Sciences, School of Allied Medical Sciences

2009-2014

Teaching experience:

- **Postgraduate Subjects:**
 - Data structure and Programming

Guest Lecturer | Iran University of Medical Sciences, School of Allied Medical Sciences

2009-2014

Teaching experience:

- **Postgraduate Subjects:**
 - Data structure and Programming

Guest Lecturer | Islamic Azad University, Tehran Medical Branch

2011-2016

Teaching experience:

- **Postgraduate Subjects:**
 - An Introduction to the Internet
 - Utilization of Computers in Biosciences
- **Undergraduate Subjects:**
 - Information Technology in Nursing
 - Information Technology
 - Information Technology in the Operating Room
 - Computer Application

Guest Lecturer | Computer Engineering Department at Islamic Azad University

2008-2009

Teaching experience:

- **Undergraduate Subjects:**
 - Computer Programming
 - Assembly Language Programming
 - Local Area Computer Networks
 - Local Area Network Lab, Advanced Programming
 - Principles of Network and System
 - Written and Spoken Presentation Methods
 - Technical Language
 - Computer Logic Circuits
 - Computer Logic Circuits Lab



SERVICE AND LEADERSHIP

Head of Examination Centre | Shahid Beheshti University of Medical Sciences

2021-NOW

- Head of national electronic exams department (specialized board exams, internships and PR internship exams in medicine, dentistry, and pharmacy)
- Head of university electronic exams department (upgrading the medical and internal residency certificates of clinical and basic science educational departments)
- Head of national exams department for PhD, specialized medical assistant, master's degrees

Student and Cultural Vice-Chancellor | School of Allied Medical Sciences, Shahid Beheshti University of Medical Sciences

2017-NOW

- Annual World Radiology Day and World Laboratory Science Day
- Coordinating the events to introduce new incoming students to the field of education

- Coordinating various educational and research workshops for college students (essay writing, proposal writing, Python programming, English essay writing, etc.)
- Coordinating drawing and painting classes for students and holding art competitions between them
- Coordinating recreational and sports camps for students
- Conducting scientific visits to companies and research centres for students
- Coordinator for national and cultural events for students

**Secretary of the Committee for Supervision of Student Scientific Associations,
| School of Allied Medical Sciences, Shahid Beheshti University of Medical
Sciences**

2017-NOW

- Launching student scientific associations in the faculty of allied medical sciences in 5 topics (student scientific associations of radiology, radiotherapy, laboratory sciences, electronic health, and hematology)
- Supervising the student`s scientific associations

**Head of Counselling and Academic Achievement of Students | School of Allied
Medical Sciences, Shahid Beheshti University of Medical Sciences**

2018-NOW

- Providing consultation services for students
- Monitoring the educational process of students
- Referring students with academic failure to the University Student Counselling Centre
- Performing psychological tests based on university protocols in the faculty and referring suspicious cases to the university counselling centre
- Planning educational and family consulting services to students

**Executive Advisor of Student and Cultural Vice-Chancellor | Shahid Beheshti
University of Medical Sciences**

2010-2011

- Proposing the development plan of lecturers in the university
- Proposing a plan to improve the status of human resources through deputy of cultural affairs of the university
- Proposing a plan to improve the condition of university dormitories
- Promoting the activities of cultural and educational centres at the university level

**Member of Strategic Information Technology Council | Shahid Beheshti
University of Medical Sciences**

2010-2011

- Review and approval of the University Information Technology strategic plan
- Review of IT development programs in the university
- Improvement of information technology infrastructure in the university
- Upgrading the university website based on webometric criteria

Member of Administrative Transformation Commission | Shahid Beheshti University of Medical Sciences

2010-2011

- Reviewing and reforming the administrative and organizational structure of the university
- Reforming the administrative structure and organizational chart of the student and cultural deputy of the university

Secretary of Administrative Transformation Working Group in Student and Cultural Vice-Chancellor | Shahid Beheshti University of Medical Sciences

2010-2011

- Reviewing and analysing the organizational structure of the Student Vice-Chancellor and proposing needed improvements to the administrative transformation commission of the university

Member of the Executive Committee of the Cultural Council | Shahid Beheshti University of Medical Sciences

2010-2011

- Reviewing and approval of student-cultural projects at the university level
- Designing the strategic plan for students' cultural activities at the university level
- Supervising the proper implementation of cultural projects of students at the university level

Student and Cultural Vice-Chancellor, | School of Allied Medical Sciences, Shahid Beheshti University of Medical Sciences

2009-2011

- Motivating consulting tutors to present educational tutoring services
- Organizing cultural and sports competitions in the faculty

Head of Information Technology Unit | School of Allied Medical Sciences, Shahid Beheshti University of Medical Sciences

2009-2011

- Improving the computer network infrastructure of the faculty level
- Setting up the fibre optic Internet connection at the faculty level
- Setting up a well-equipped computer class
- Design a server room in the college
- Setting up a wireless computer network in the college

Head of ICT Committee | School of Allied Medical Sciences, Shahid Beheshti University of Medical Sciences

2009-2011

- Planning and coordinating meetings of committee members
- Supervise the proper implementation of approved programs

IT and Network Consultant | Skin Research Centre, Shahid Beheshti University of Medical Sciences

2007-2008

- Designing and implementation of wireless network

- Developing the Intranet network of the centre
- Advising on upgrading the centre's website

IT Consultant | the Organization for Collection and Sale of State-owned Properties of Iran

2007-2008

- Executive of the comprehensive IT plan implementation
- Member of Technical and Commercial Committee of Comprehensive System Bidding
- Head of RFP design for specific and operating systems
- Cooperation in designing and implementing internet connections via fibre optics



PATENT

Ebrahimi A, Rezaei A, **Rahmatizadeh S**, Khalili M, 2008, "*Hand Focus Measurement Device (Device for Typing and Trace in Mirror Without Time Restriction)*", Serial number: 006622, Series: A/87, patent date: 1/09/2008



GRANTS

During my academic career, I successfully secured the following research funding:

1. Design and implement a system to organize the Anaesthesiology Research Centre project datasets (2021, Chief Investigator)
2. A survey on Knowledge, Attitudes, and Practice of Anaesthesiologist Regarding COVID-19 (2021, Chief Investigator)
3. A survey on cyberchondria in students of Shahid Beheshti University of Medical Sciences (2021, Investigator)
4. Readability and credibility evaluation of top health websites based on eBizMBA global ranking (2021, Investigator)
5. A survey on problematic social networking site use in different language-based samples from multiple countries around the world (2020, Investigator)
6. The role of artificial intelligence in the management of critical COVID-19 patients (2020, Investigator)
7. Readability evaluation of online information resources available for cervical cancer (2020, Investigator)
8. The Readability and Credibility of Online Health Information on the Middle East Respiratory Syndrome Coronavirus (2020, Investigator)
9. Evaluation of readability and credibility of health websites on COVID-19 (2020, Investigator)
10. Assessment of Knowledge, Attitudes, and Practice of Health Care Workers Regarding COVID-19 (2020, Chief Investigator)
11. Evaluation of the Quality, readability, and validity of health websites on Pain Management by Acupuncture (2019, Chief Investigator)
12. Usability evaluation of the emergency information system of Shohadaye Tajrish Educational Hospital (2019, Chief Investigator)
13. Testing the psychometric properties of two newly developed instruments aimed at assessing binge-watching behaviors large cross-cultural sample (2018, Investigator)
14. Accessibility evaluation of websites of central libraries of Medical Universities of Iran based on the W3C guidelines (2018, Investigator)

15. Measuring electronic health literacy skills among patients with dental diseases (2018, Chief Investigator)
16. Evaluation of academic libraries in terms of accessibility for people with disabilities (2018, Investigator)
17. The electronic health literacy level of home care of elderly people with hypertension and type 2 diabetes (2017, Investigator)
18. Evaluation of content quality, readability, and validity of health websites on kidney transplantation (2017, Chief Investigator)
19. Accessibility evaluation of Websites of Medical Universities of Iran (2017, Investigator)
20. Usability evaluation of Labafinejad preventive stone clinic system registry (2017, Chief Investigator)
21. Evaluation of accessibility and reliability of health websites on renal transplantation (2016, Investigator)
22. Evaluation of content quality, readability, and validity of health websites on most prevalent diseases in elderly individuals (2016, Investigator)
23. Integrating as a necessity for health information systems (2012, Chief Investigator)
24. A Scientometric Overview of Medical Informatics articles and review its visible accessibility based on Scopus (2012, Chief investigator)
25. CT Scan image compression using wavelet transform (2012, Chief Investigator)



JOURNAL PUBLICATIONS

1. Abedini SS, Asadi F, **Rahmatizadeh S**, Hosseini A. Usability Evaluation of the Information System Used in Neuroscience Research Centres. *J Clin of Diagn Res.*2021; 15(10): IC12-IC16.
2. Valizadeh-Haghi S, Khazaal Y, **Rahmatizadeh S***. Health websites on COVID-19: are they readable and credible enough to help public self-care? *Journal of the Medical Library Association: JMLA.* 2021 Jan 1;109(1):75.
3. Valizadeh-Haghi S, **Rahmatizadeh S***, Soleimaninejad A, Shirazi SF, Mollaei P. Are health websites credible enough for elderly self-education in the most prevalent elderly diseases? *BMC Medical Informatics and Decision Making.* 2021 Dec;21(1):1-9.
4. **Rahmatizadeh S**, Valizadeh-Haghi S. The Readability of Online Health Information on Middle East Respiratory Syndrome Coronavirus Disease. *J Cell Mol Anesth.* 2021;6(2):154-63.
5. Razzaghdoost A, **Rahmatizadeh S**, Mofid B, Muhammadnejad S, Parvin M, Torbati PM, Basiri A. Data-Driven Discovery of Molecular Targets for Antibody-Drug Conjugates in Cancer Treatment. *BioMed research international.* 2021 Jan 2;2021.
6. **Rahmatizadeh S**, Valizadeh-Haghi S, Dabbagh A. The role of Artificial Intelligence in Management of Critical COVID-19 patients. *J Cell Mol Anesth.* 5(1):16–22.
7. Zare S, **Rahmatizadeh S**, Valizadeh-Haghi S. Academic Medical Libraries and Accessibility Challenges: The Conformance of the Websites with the WCAG2. 1. *DESIDOC Journal of Library & Information Technology.* 2021 Mar 1;41(2).
8. Flayelle M, Castro-Calvo J, Vögele C, Astur R, Ballester-Arnal R, Challet-Bouju G, Brand M, Cárdenas G, Devos G, Elkholy H, Grall-Bronnec M, James RJE, Jiménez-Martínez M, Khazaal Y, Valizadeh-Haghi S, King DL, Liu Y, Lochner C, Steins-Loeber S, Long J, Potenza MN, **Rahmatizadeh S**, Schimmenti A, Stein DJ, Tóth-Király I, Tunney R, Wang Y, Zhai ZW, Muraige P, Billieux J. Towards a cross-cultural assessment of binge-watching: Psychometric evaluation of the “watching TV series motives” and “binge-watching engagement and symptoms” questionnaires across nine languages. *Comput Human Behav.* 2020 Oct;111:106410.
9. **Rahmatizadeh S**, Valizadeh-Haghi S, Kalavani A, Fakhimi N. Middle East Respiratory Syndrome on Health Information Websites: How Much Credible They Are? *Libr Philos Pract.* 2019;(2885).
10. Soleimaninejad A, Valizadeh-Haghi S, **Rahmatizadeh S**. Assessing the eHealth literacy skills of family caregivers of medically ill elderly. *Online J Public Health Inform.* 2019 Sep 20;11(2).

11. Valizadeh-Haghi S, **Rahmatizadeh S***. eHealth literacy and general interest in using online health information: a survey among patients with dental diseases. *Online J Public Health Inform.* 2018;10(3).
12. **Rahmatizadeh S**, Valizadeh-Haghi S. Monitoring for accessibility in medical university websites: meeting the needs of people with disabilities. *J Access Des All.* 2018;8(2):102–24.
13. Valizadeh-Haghi S, **Rahmatizadeh S***. Evaluation of the Quality and Accessibility of Available Websites on Kidney Transplantation. *Urol J.* 2018;15(5).
14. **Rahmatizadeh S**, Valizadeh-Haghi S. Evaluating the trustworthiness of consumer-oriented health websites on diabetes. *Libr Philos Pract.* 2018;(1786).
15. Valizadeh-Haghi S, **Rahmatizadeh S***. Learning about the information-seeking behaviour of allied medical sciences students: Advice for libraries of multidisciplinary colleges. *Libr Philos Pract.* 2018
16. Hamzehei R, Ansari M, **Rahmatizadeh S**, Valizadeh-Haghi S. Websites as a tool for public health education: determining the trustworthiness of health websites on Ebola disease. *Online J Public Health Inform.* 2018;10(3).
17. Harati A, **Rahmatizadeh S**, Valizadeh-Haghi S. Allied Medical Sciences Students' Experiences with Technology: Are They Digitally Literate? *Library Philosophy and Practice.* 2018 Sep 1.
18. Valizadeh-Haghi S, **Rahmatizadeh S***, Ansari M, Hamzehei R. Credibility of health websites on infectious diseases: Are there any fully trustable websites to read on Ebola? *Archives of Advances in Biosciences.* 2018 Jul 15;9(3):23-31.
19. Rabiei R, Moghaddasi H, Khadem Maboudi AA, Basiri A, **Rahmatizadeh S***. Assessment of factors affecting kidney transplant survival based on literature review between 2000 and 2014. *Medical Science Journal of Islamic Azad University-Tehran Medical Branch.* 2017 Jun 10;27(2):77-87.

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CONFERENCE PROCEEDINGS PUBLICATIONS

1. Flayelle M, Castro-Calvo J, Vögele C, Astur R, Ballester-Arnal R, Challet-Bouju G, Brand M, Cárdenas G, Devos G, Elkholy H, Grall-Bronnec M, James R. J. E., Jiménez Martínez M, Khazaal Y, Valizadeh-Haghi S, King D, Liu Y, Lochner C, Steins-Loeber S, Long J, Potenza M, **Rahmatizadeh S**, Schimmenti A, Stein D.J, Tóth-Király I, Tunney R, Wang Y, Wei Zhai Z, Maurage P, Billieux J, Wirz D. IO17-2. Cross-cultural validation of the « Watching TV Series Motives » and « Binge-Watching Engagement and Symptoms » questionnaires across nine languages. 6th International Conference on Behavioral Addictions, Yokohama, Japan; 06/2019
2. **Rahmatizadeh S**, Valizadeh-Haghi S. E-health literacy of caregivers of medically ill elderly: An Iranian perspective of supported decision making. First Congress of European Society of Social Psychiatry, Genève, Switzerland. 2018
3. **Rahmatizadeh S**, Valizadeh-Haghi S. Acupuncture and pain management information online: an evaluation of the quality of related websites. 13th Congress of Iranian pain society, Iran; 11/2017
4. Valizadeh-Haghi S, **Rahmatizadeh S**, Fatehi F. Middle East Respiratory Syndrome: Readability of Online Resources. 17th International Conference on Successes and Failures in Telehealth (SFT-17), Brisbane, Australia; 10/2017
5. **Rahmatizadeh S**. Introducing the achievements of medical informatics in the rehabilitation of the blind and visually impaired. 3rd Medical Informatics Conference, Shahid Beheshti University of Medical Sciences, Tehran, Iran; 05/2013 (in Persian)
6. **Rahmatizadeh S**, Ebrahimpour Sadageyani H: The necessity of integrating health information systems focusing on the current state of healthcare systems in Iran. 2th Medical Informatics Conference, Shahid Beheshti University of Medical Sciences, Tehran, Iran; 12/2011 (in Persian)

7. Khadem Maboudi A, **Rahmatizadeh S**, Kamkar M. Compress CT-Scan images with wavelet transform. 2nd Medical Informatics Conference, Shahid Beheshti University of Medical Sciences, Tehran, Iran; 12/2011 (in Persian)
8. **Rahmatizadeh S**, Shah-Hosseini H. Improving the performance of the AntNet routing algorithm with the help of intelligent bees. 2nd Iranian Joint Congress on Fuzzy and Intelligent Systems, Iran; 10/2008 (in Persian)
9. **Rahmatizadeh S**, Mirebrahim H. Utilization of sensor networks in advanced treatment systems and reduction of treatment risks. The first conference to review IT development strategies, Shahid Beheshti University of Medical Sciences, Tehran, Iran; 9/2006 (in Persian)



PROFESSIONAL ACTIVITIES

Reviewer for:

- Patient Preference and Adherence Journal (Impact Factor = 2.711)
- Mobile Information Systems Journal (Impact Factor = 1.802)
- Urology Journal (Impact Factor = 1.51)
- Sage Open Journal (Impact Factor =1.356)
- Journal of Blood Medicine
- Journal of Medicine and Life
- Archives of Academic Emergency Medicine
- BMJ Health & Care Informatics Journal
- Archives of Advances in Biosciences Journal
- Journal of Medical Library and Information Science
- Journal of Payavard Salamat
- Journal of Health Information Management

Member of:

- European Association for Health Information and Libraries (EAHIL)
- Iranian Association of Medical Informatics (IRAMI)
- The editorial board of Journal of Cellular & Molecular Anesthesia, Anesthesiology Research Center, Shahid Beheshti University of Medical Sciences
- The editorial board of Journal of Medical Library and Information Science, Shahid Beheshti University of Medical Sciences
- The Scientific Committee of the 2nd National Congress of Medical Informatics and the 7th Conference on Electronic Health and ICT Applications in Iran, Tarbiat Modares University, 2018
- The Executive Committee of the National Congress of 5000 Kidney Transplants in Shahid Labbafinezhad Hospital, Shahid Beheshti University of Medical Sciences, Shahid Labbafinezhad Hospital, 2018
- The Executive Committee of the 8th Iranian Congress of Endourology and Eurolaparoscopy, Shahid Beheshti University of Medical Sciences, 2016
- The Scientific and Executive Committee of the Third Medical Informatics Conference (for students), Shahid Beheshti University of Medical Sciences, School of Allied Medical Sciences, May 2013
- Student Research Committee of School of Allied Medical Sciences, Shahid Beheshti University of Medical Sciences (2011-2013)
- The Scientific Committee of the First National Seminar on the Role of Basic Sciences in Health Promotion in March 2010
- The Executive Committee of Shahid Motahari Festival, May 2010, 2012, and 2013

- The founding board of the Scientific Student Association at the Faculty of Electrical and Computer Engineering, Shahid Beheshti University, 2005



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

Publons: <https://publons.com/researcher/2069008/shahabedin-rahmatizadeh/peer-review/>

Scopus: <http://www.scopus.com/authid/detail.url?authorId=26423231100>

LinkedIn: <https://www.linkedin.com/in/shahabedin-rahmatizadeh-715208201/>