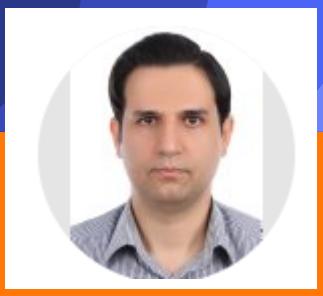
Curriculum Vitae



Personal Information

First Name: **Ali Akbar**
Last name: **Shafikhani**
Gender: **Male**
Date of birth **1985-03-11**
Age: **39**
Nationality: **Iranian**
place of birth: **Iran-Qazvin**

Ph.D. in Occupational Health Engineering, Shahid Beheshti University of Medical Sciences

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Education

- **Ph.D.** of Occupational Health Engineering, School of public health and safety, Shahid Beheshti University of Medical Sciences (2023).
- **MSc** of Occupational Health Engineering, School of public health and safety, Shahid Beheshti University of Medical Sciences (2012).
- **BSc** of Occupational Health Engineering, School of public health and safety, Shahid Beheshti University of Medical Sciences (2009).

Work Experience

1. Manager of the Educational Development and Studies Office (EDO), Faculty of Medicine
2. **Member of the Research Council** of 22 Bahman, Qazvin University of Medical Sciences, Qazvin -Iran.
3. Deputy of Technical and Engineering Affairs, Soroush Tahavol Sanat Company
4. **Researcher at Faculty of Medicine**, Qazvin University of Medical Sciences, Qazvin - Iran
5. **Researcher at Metabolic Research Center** of Qazvin University of Medical Sciences, Qazvin -Iran
6. **Researcher at the Development and Clinical Research Center** of Bo Ali Hospital, Qazvin University of Medical Sciences, Qazvin -Iran
7. **Researcher at the Clinical Development Center of 22 Bahman Hospital**, Qazvin University of Medical Sciences, Qazvin -Iran
8. **Industry commercialization expert** at Qazvin University of Medical Sciences, Qazvin -Iran
9. **Consultant expert in implementing ISO 45001 and HSE-MS** standards in public and private organizations
10. **Responsible for the safety and standards of Amin Mokat Industrial Production Company**
11. **Occupational health officer** at Falizan Tasfyeh Co. Ltd, Qazvin, Iran
12. **Occupational health officer** in Sharifabad Agro-industry Company

1. **Occupational health inspection** in the Takestan Health Network during the COVID-19 period

Published articles

1. Pouyakian, M., Shafikhani, A. A., Najafi, A. A., Afshar-Nadjafi, B., & Kavousi, A. (2024). Investigating safety development methodologies in the construction industry and identifying gaps in the studies: a review article. International Journal of Critical Infrastructures, 20(2), 163-194.

2. Pouyakian M, Shafikhani AA, Najafi AA, Afshar-Najafi B, Kavousi A. Utilising the fuzzy analytic network process technique to prioritise safety challenges in construction projects. International Journal of Critical Infrastructures. 2024;20(1):16-32.

3. Shafikhani AA, Najafi AA, Afshar-Najafi B, Kavousi A. Pouyakian M,. Safety Plan Modeling for Resource-Constrained Construction Projects to Optimize Cost, Time and Safety Risk. International Journal of Critical Infrastructures. 2025/01/15.

4.Haji Seyed Javadi A, Asgari-Askari Diariani A, Shafikhani AA. Determining the factors associated with suicidal thoughts in outpatients referred to a specialized psychiatric facility. Psychiatry Clin Neurosci Rep. 2025. doi:10.1002/pcrb5.70096.

5. Moradpour Z, Shafikhani AA, Izady N, Zendehdel R, Omidi A. The Risk of Exposure To Pesticides on Autism Disorder: a Systematic Review and Meta-analysis. Journal of Chemical Health Risks. 2023;13(1):31-42.

6. Kayalha FFAASNNH. Relationship Between Upper Airway Ultrasound Parameters and Degree of Difficult Laryngoscopy for Endotracheal Intubation. Journal of Cellular & Molecular Anesthesia. 2023;8(1):40-7.

7. Javadi AHS, Shafikhani AA, Yazdi M. Investigation of Social Cognition and cognitive impairment among patients with bipolar disorder, their healthy first-degree relatives, and the control group. Journal of Affective Disorders Reports. 2023:100595.

8. Nasseh N, Khezri MB, Farzam S, Shiravandi S, Shafikhani AA. The effect of melatonin on cardiac biomarkers after coronary artery bypass graft surgery: A double-blind, randomized pilot study. Journal of Cardiothoracic and Vascular Anesthesia. 2022;36(10):3800-5.

9. Javadi AHS, Shafikhani AA, Beizapour N. Evaluation of the determinants of cognitive dysfunction in patients with multiple sclerosis. Middle East Current Psychiatry. 2022;29(1):1-7.

10. Javadi SAHS, Rezaei B, Shafikhani AA, Sarichloo ME. Comparative study of burnout and other aspects of mental health in medical staff working in COVID-19 and non-COVID-19 wards. Iranian Red Crescent Medical Journal. 2021.

11. Javadi AHS, Najafian E, Kayalha H, Shafikhani AA. Evaluating Factors Affecting the Time Interval Between Propofol Injection and Induction of Electro-convulsion and Relationship Between These Factors and Duration of Convulsion. Anesthesiology and Pain Medicine. 2021;11(4).

12. Gholinia N, Shafikhani AA, Hajiaghamohammadi A. Comparing Regimens Based on Clarithromycin, Furazolidone, and Levofloxacin in Patients With Helicobacter Pylori Infection: A Clinical Trial. International Journal of Enteric Pathogens. 2021;9(1):15-20.

13. Zohal MA, Sedighi A, Shafikhani AA, Farzam SA. Frequency of metabolic syndrome in patients with chronic obstructive pulmonary disease. Journal of Mazandaran University of Medical Sciences. 2020;29(182):111-6.

14. Shafikhani M, Shafikhani A, Pouyakian M, Shafikhani AA. Examining the Barriers and Problems of Employee Performance Appraisal Systems and Their Ranking in Qazvin University of Medical Sciences. Archives of Occupational Health. 2020;4(3):614-20.

15. Pordanjani SR, Jafari M-J, Pouyakian M, Shafikhani A, Shafikhani AA. Investigating the correlation between body temperature and body mass index: a meta-analysis. Electronic Physician. 2020;12(3).

16. Masoumifar MA, Ebtehaj M, Kayalha H, Shafikhani AA. Comparing the postoperative sore throat incidence and hemodynamic changes after using Macintosh and GlideScope laryngoscopes and Laryngeal Mask Airway. The Journal of Qazvin University of Medical Sciences. 2020;23(6):540-9.

17. Kazemifar AM, Shafikhani AA, Mozhdehipanah H, Khamesi S, Arami M. Evaluation of

different types of arsenic methylation and its relationship with metabolic syndrome in an area chronically exposed to arsenic. Environmental analysis, health and toxicology. 2020;35(2).

18. Kayalha H, Ebtehaj M, Shafikhani AA, Emami S. Effect of adding Ondansetron or Magnesium to Lidocaine on duration of analgesia of intravenous regional anesthesia in elective upper extremities surgery: comparative study. Journal of Cellular & Molecular Anesthesia. 2020;4(3):88-95.

19. Hamid Kayalha ME, Ali Akbar Shafikhani, Shabnam Emami. Effect of addition of Ondansetron or Magnesium to Lidocaine on duration of analgesia of intravenous regional anesthesia in elective upper extremities surgery: comparative study. Journl of Cellular & Molecular Anesthesia. 2020;4(3).

20. Shafikhani AA, Kazemifar AM. Comparison of blood lead levels between oral and inhalation opium addicts and its relationship with hematological parameters. Indian J Forensic Med Toxicol. 2019;13(1):326-31.

21. Kazemifar AM, Shafikhani AA, HajiNoormohammadi E, Azarion Z, Hajiaghamohammadi A. Investigating effect of Helicobacter pylori treatment on improvement of non-alcoholic fatty liver parameters: a randomized trial. Egyptian Liver Journal. 2019;9(1):1-5.

22. Javadi AHS, Shafikhani AA. Evaluation of depression and anxiety, and their relationships with insomnia, nightmare and demographic Variables in Medical Students. Sleep and Hypnosis (Online). 2019;21(1):9-15.

23. Hajiaghamohammadi A, Shafikhani AA, Bastani A, Gaemi N. effect of vitamin D replacement on liver enzymes in patients with non-alcoholic fatty liver disease. Journal of Gastroenterology and Hepatology Research. 2019;8(3):2907-10.

24. Mohammadfam I, Shafikhani A, Shafikhani AA, Ghasemi F. Determining a suitable risk-based maintenance strategy for improvement of the safety indices. Journal of Health & Safety at Work. 2018;7(4).

25. Javadi AHS, Shafikhani AA, Zamir SM, Khanshir ZF. Evaluation of the effect of fluvoxamine in patients with schizophrenia under risperidone treatment: a clinical trial. Journal of Clinical Psychopharmacology. 2018;38(2):119-24.

26. Abbasi M, Rajabi M, Yazdi Z, Shafikhani AA. Factors affecting sleep quality in firefighters. Sleep and Hypnosis. 2018;20(4):283-9.

27. Tajik E. Prevalence of depression and anxiety and their association with body mass index among high school students in Qazvin, Iran, 2013-2014: Array. Electronic Physician. 2017;9(6):4655-60.

28. Javadi SAHS, Shafikhani AA. Anxiety and depression in patients with gastroesophageal reflux disorder. Electronic physician. 2017;9(8):5107.

29. Javadi M, Jourabchi Z, Shafikhani AA, Tajik E. Prevalence of depression and anxiety and their association with body mass index among high school students in Qazvin, Iran, 2013–2014. Electronic physician. 2017;9(6):4655.

30. Javadi AH, Ziaee A, Yazdi Z, Ebrahimabadi N, Shafikhani AA. Prevalence of anxiety and depression in diabetic patients: A comparative study. Biotechnology and Health Sciences. 2017;1.

31. Javadi AH, Shafikhani AA, Allami A, Charkhchian M, Shiraghaee M. Depression and anxiety in chronic kidney disease patients on hemodialysis. International Journal of Applied Behavioral Sciences. 2017;4(1):21-7.

32. Haji seyedJavadi A, Shafikhani A. Evaluation of depression and anxiety in patients with thalassemia: a comparative study. J Qazvin Univ Med Sci. 2017;21(2):13-21.

33. Shafigh Y, Beheshti A, Shafigh N, Shafikhani AA. Determining the Validity and Reliability of Persian Version of the Psoriatic Arthritis Screening and Evaluation Questionnaire. Journal of Clinical & Experimental Dermatology Research. 2016;8(1).

34. Shafikhani AA. Assessment of the environmental sound level and the noise exposure in a steel Industry. Journal of Health System Research. 2015;11(2):327-37.

35. Mohammadfam I, Shafikhani A, Shafikhani A, Taheri F. Providing an early warning framework to identify, assess and control human performance influencing factor in automotive industry. Iran Occupational Health. 2015;12(5):43-52.

36. Darvishi E, Shafikhani A, Shafikhani* AA. Ergonomic Interventions in Manual Handling of Carpets to the retail sellers in a textile company. Journal of Health and Safety at Work. 2015;5(1):65-74.

37. mohammadfam i, Shafkhani aa, Soltanian A. Evaluation of implementation an Integrated Safety and Preventive Maintenance System for Improving of Safety Indexes. Iranian Journal of Health, Safety & Environment. 2014;1(2):74-82.

38. Mohammadfam I, Shafikhani A, Sultanian A, Mohammadfam F. Design and Establishment of an Integrated Safety and Preventive Maintenance System for Improving Safety Indexes. Iran Occupational Health. 2014;11(1):95-101.

39. Taslimi H, Ghafarnezhad A, Shafikhani AA, et al. Prioritization of energy recovery equipment in car paint furnace based on economic, environmental and ground heating criteria using ANP method. Journal of Energy Engineering and Management. 2012;2(3):28-37.

40. Shafikhani AA. Anxiety and depression in patients with gastroesophageal reflux disorder. Electron Physician.2016(9):5107–12.

41. Kelava M, Mehta A, Sale S, Gillinov M, Johnston D, Thuita L, et al. CardiothoracicandVascularAnesthesia.

42. Hamid Kayalha ME, Ali Akbar Shafikhani, Shabnam Emami. Effect of addition of Ondansetron or Magnesium to Lidocaine on duration of analgesia of intravenous regional anesthesia in elective upper extremities surgery: comparative study.

Congress/Conference

43. The logic of the fuzzy network analysis process to evaluate the obstacles to the implementation of the safety program (publishing place: the 14th International Conference of the Iranian Association for Operations Research)

44. Choosing the optimal maintenance and repair strategy in project-oriented companies (publishing place: 8th National Maintenance and Repair Conference)

45. Investigating the state of housing health and safety of rural houses in Qazvin city (publishing place: the second national conference on environmental health, health, and

sustainable environment)

46 . Evaluation of environmental noise and the amount of individual exposure in different units of a steel industry (publishing place: National Occupational Health Conference)

47 . Analyze the psychological consequences caused by COVID-19 in the treatment staff working in the corona ward and compare it with the non-corona ward (publishing place: 39th National Conference of Psychiatrists Association).

48. Changing the time between giving propofol and starting electroconvulsive therapy and how it affects the length of the convulsion (publishing place: 39th National Conference of Psychiatrists Association).

49. Javadi, A.H.S., Mohammadian, A.R. & Shafikhani, A.A. Adjunctive repetitive transcranial magnetic stimulation therapy's effectiveness in treating a sample of patients with major depressive disorder refractory to first-line drug treatment. Middle East Curr Psychiatry 31, 27 (2024). https://doi.org/10.1186/s43045-024-00418-5

50. Pouyakian M, Shafikhani A, Najafi A, Afshar-Nadjafi B, Kavousi A. Safety Plan Modeling for Resource-Constrained Construction Projects to Optimize Cost, Time, and Safety Risk. International Journal of Critical Infrastructures

Published books

	Name	Author	Publisher	ISSN
1	Risk assessment in the project	**Ali Akbar Shafikhani**	**HORIN**	**۹۷۸-622-3784-95-8**

Teaching Experiences

Throughout my academic and professional career, I have had the privilege of teaching a diverse range of courses across multiple institutions, contributing to both undergraduate and postgraduate education. At Shahid Beheshti University of Medical Sciences in Tehran, Iran, I served as a PhD Candidate from 2020 to 2022, where I taught Safety in Construction Operations. This role allowed me to develop and deliver curriculum tailored to the needs of students in engineering and safety-related fields.

Since 2017, I have been actively involved in teaching and research at Qazvin University of Medical Sciences and the Bo Ali Sina Educational and Therapeutic Center in Qazvin, Iran. As a Researcher, I have designed and delivered courses such as Introduction to Research Methods, Identifying Authentic Publications in Scientific Databases, Search Strategies in Medical Databases, Using EndNote Software for Citation Management, and Extracting Articles from Theses. Additionally, I have taught Medical Study Design

for medical residency programs, equipping students with the skills to conduct robust medical research.

In 2024, I expanded my teaching portfolio by joining Islamic Azad University in Qazvin as a Lecturer. Here, I teach advanced courses including Special Topics, Occupational Health Engineering, Fundamentals of Safety Engineering, Qualitative and Quantitative Risk Assessment, Ergonomics, Human Factors Engineering, and Advanced Environmental Engineering. These courses are designed to prepare students for real-world challenges in health, safety, and environmental engineering.

Concurrently, I serve as a Lecturer at Kar Alwand University in Qazvin, where I teach Safety in Construction and Road Projects. This role allows me to share my expertise in safety management and risk assessment with students pursuing careers in construction and infrastructure development.

My teaching philosophy emphasizes practical application, critical thinking, and the use of modern tools and technologies. I take pride in fostering an engaging learning environment that empowers students to excel in their academic and professional pursuits.

Institution/University	**Position**	**Courses Taught**	**Start Date**	**End Date**	**Duration**	**Status**
Shahid Beheshti University of Medical Sciences, Tehran, Iran	PhD Candidate	Safety in Construction Operations	2020	2022	2 years	Completed
Qazvin University of Medical Sciences, Qazvin, Iran	Researcher	1. Introduction to Research Methods 2. Identifying Authentic Publications in Scientific Databases 3. Search Strategies in Medical Databases 4. Using EndNote Software for Citation Management 5. Extracting Articles from Theses	2017	Present	7 years	Ongoing
Bo Ali Sina Educational Center, Qazvin, Iran	Lecturer	1. Medical Study Design (for Medical Residency) 2. Teaching Article Extraction from Theses 3. Identifying Authentic Publications and Using EndNote Software	2017	Present	7 years	Ongoing
Islamic Azad University, Qazvin, Iran	Lecturer	1. Special Topics 2. Occupational Health	2024-2025	Present	Ongoing	Ongoing

Institution/University	Position	Courses Taught	Start Date	End Date	Duration	Status
		Engineering 3. Fundamentals of Safety Engineering 4. Qualitative and Quantitative Risk Assessment 5. Ergonomics 6. Human Factors Engineering 7. Advanced Environmental Engineering				
Kar Alwand University, Qazvin, Iran	Lecturer	Safety in Construction and Road Projects	2024-2025	Present	Ongoing	Ongoing

Research Projects

1. Safety program optimization in simultaneous project scheduling and equipment planning
2. Using fuzzy network analysis in order to identify obstacles to safety program implementation
3. Investigating the relationship between 1193C> T polymorphism in MTNR1B gene and the occurrence of symptoms among patients with bipolar disorder and its relationship with sleep pattern.
4. Efficacy of Repetitive Transcortical Magnetic Stimulation (rTMS) for Patients with Major Depressive Disorder Refractory to First-Line Treatment: A Double-Blind Randomized Clinical Trial
5. Evaluation of mental health and post-traumatic stress in COVID-19 patients hospitalized in the intensive care unit (ICU) compared to other patients hospitalized in the intensive care unit (ICU)
6. Evaluation and comparison of metabolic syndrome in patients with schizophrenia and patients with schizoaffective disorder
7. Evaluation and comparison of metabolic syndrome in patients with bipolar disorder type 1 and major depressive disorder
8. Investigating the relationship between 1193C>T polymorphism in MTNR1B gene and the occurrence of symptoms among patients with bipolar disorder and its relationship with sleep pattern.

9. Examining perceived stress and suicidal thoughts in the follow-up of suicide attempters
10. Investigating suicidal thoughts and its risk factors in 13-19-year-old students of Qazvin city.
11. Investigating the effect of saffron extract on stress and social performance of people with irritable bowel syndrome
12. Comparing the results of treatment with repeated magnetic stimulation from the skull along with drug treatment with drug treatment alone in obsessive compulsive disorder resistant to drug treatment

Workshops

1. The course is certified under the International Register of Certificated Auditors scheme for AUDITOR / LEAD AUDITOR (ISO 9001:2008) 1st to 5th July 2011 imps Business & Innovation Centre Sunderland.

2. The course approved by the Institute of Environmental Management & Assessment in LEAD ENVIRONMENTAL AUDITOR (ISO 14001:2004) (achieving an overall mark of 90%) 17 to Dec 21, 2011.

3. The course was certified under the International Register of Certificated Auditors scheme for AUDITOR I LEAD AUDITOR (OHSAS 18001:2007 Series Standards) from 25th to 29th June 2011.

4. The course requirements of the INTERNAL QUALITY AUDITOR 24-02-2004 Tehran - IRAN (30 hours).

5. Training course on discussions, teamwork, and exercises about Research and Development Management R&D (advanced). Held: Qazvin, Iran 10-18 Jan 2013 (32 hours) Certification No: R&D-P-13/64 04

6. The course on the subject of introduction to Research & Development Management R&D (Elementary)

7. Statistical Analysis Software (excel, Graph Pad Prism, SPSS software) (20 hours).

8. Workshop on ISI, Scopus, PubMed, and Google Scholar databases

Computer skills

1. 100 hours of training course in titled " **WORD**" held by Technical and Vocational Education Organization of Iran, 2007.

2. 20 hours of training course in titled " **POWER POINT**" held by Technical and Vocational Education Organization of Iran, 2007.

3. 30 hours of training course in titled " **EXCEL**" held by Technical and Vocational Education Organization of Iran, 2007.

4. 96 hours of training course in titled " **ACCESS**" held by Technical and Vocational Education Organization of Iran, 2008.

٥. 80 hours of training course in titled " **The general user of a personal computer**" held by Technical and Vocational Education Organization of Iran, 2006.

٦. 75 hours of training course in titled " **Work with the global Internet**" held by Technical and Vocational Education Organization of Iran, 2007.

1. 330 hours of training course in titled " **ICDL-1**" held by Technical and Vocational Education Organization of Iran, 2008.
2. 450 hours of training course in titled " **ICDL-2**" held by Technical and Vocational Education Organization of Iran, 2008.

Reviewer

1. Reviewer of **RAIRO International Journal** - Operations Research. This is an international journal devoted to high-level pure and applied research on all aspects of operations research. **Impact factor**=1.8.
2. Reviewer of **BMC Public Health** Journal. This is a peer-reviewed open-access scientific journal that covers epidemiology of disease and various aspects of occupational health. **Impact factor: 4.545**
3. Reviewer of **BMC Psychiatry** Journal.This is an open access, peer-reviewed journal that encompasses a wide range of topics such as the psychological factors of the work environment. **Impact factor: 4.٤**
4. Reviewer of **Journal of Health, Population and Nutrition** brings together research on all aspects of issues related to population, nutrition, and health..