

Seyed Shamseddin Alizadeh

Assistant Professor

*Department of Occupational Health Engineering,
Tabriz University of Medical Sciences, IRAN*



CONTACT INFORMATION

Department of Occupational Health

Engineering, Faculty of Health, Tabriz

University of Medical Sciences, Tabriz,
Iran

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SHORT BIO

Seyed Shamseddin Alizadeh is currently an **Assistant Professor** in Department of Occupational Health Engineering, Tabriz Medical University. His current research interest includes Risk Assessment, Accident Analysis, HSE-MS, and ISO45001:2018.

RESEARCH INTEREST

Risk Assessment, Accident Analysis, Management Systems

EDUCATION

Ph.D. in Occupational Health Engineering, 2009-2014

Department of Occupational Health, Tarbiat Modares University, Tehran, IRAN

Dissertation Title: Modeling of Risk Assessment Using Accident Data Mining

M.Sc. in Occupational Health Engineering, 2002-2005

Department of Occupational Health, Tehran University of Medical Science, Tehran, Iran.

Thesis Title: Workplace Improvement using Integrated Management System (IMS)

B.Sc. in Occupational Health Engineering, 1998-2002

Department of Occupational Health, Tehran University of Medical Science, Tehran, Iran.

PROFESSIONAL EXPERIENCE

Associate Professor, 2008-present

Tabriz Medical University,

HSE-MS Design and Implementation Advisor, 2013

Tabriz Gas Co.

HSE-MS Design and Implementation Project Manager, 2012- 2013

3 Regions of Tehran Municipality (17, 18, 19 region)

Coordinator of Supervision on HSE Requirement Plan, 2012

Oil Engineering and Development Company Projects (13 projects)

HSE-MS Design and Implementation Project Manager, 2012

6 Contractor Companies of Tehran Refinery

HSE-MS Design and Implementation Project Supervisor, 2012
5 Region of Tehran Municipality (10, 11, 13, 15, 22 region)

HSE-MS Design and Implementation Project Advisor, 2010-2012
Tehran Municipality

HSE-MS Design and Implementation Project Manager, 2010-2011
Iran National Oil Terminal Company

Senior Expert of Industrial Health, 2003-2009
HSE Office of Iran Ministry of Petroleum

HSE-MS Design and Implementation Project Manager, 2007
Pars Geo Data (Iranian-Germany Company)

Risk Assessment Using JSA Project Manager, 2006
Azarbayejan-e-Sharghi Gas Company

HSE-MS Auditor, 2004-2009
Iran Ministry of Petroleum

Industrial Health Committee Secretary, 2004-2007
Iran Ministry of Petroleum

Executive Assistant, 2004-2006
"Rahbord-e-HSE Magazine of Iran Ministry of Petroleum"

Teaching Management System Courses, 2004- present
✓ HSE-MS
✓ OHSAS18001, ISO45001:2018
✓ Risk Management
✓ Accident investigation & Analysis

**Accomplished
Projects**

- ✓ *Design and Implementation of HSE-MS in 6 Contractor Companies of Tehran Refinery, 2012*
- ✓ *Design and Implementation of HSE-MS in IOT Company, 2010- 2011*
- ✓ *Design and Implementation of HSE-MS in PGD Company, 2007*

Honors

- ✓ Ranked First in the National Universities' Entrance Exam for Ph.D. degree, Fall 2009
- ✓ Ranked 2nd among more than 1,000 participants in the National Universities' Entrance Exam for M.Sc. degree, Fall 2002

Books:

Publications

1. *Monitoring of Health Hazards at Work*, S.B.Mortazavi, **S.SH.Alizadeh**, 2013.
 2. *Integrated Management System (IMS)*, **S.SH.Alizadeh**, L.Ganjali, M.Zaree, 2013.
 3. *Civil Contractor HSE*, **S.SH.Alizadeh**, R.Arabameri, F.Sabzalipour, 2013.
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4. *Job Hazard Analysis (JHA)*, Translated by: **S.SH.Alizadeh**, E.Ardalani, R.Mirzaee, 2013.
 5. *Management Of Change (MOC)*, Translated by: M.Zaree, **S.SH.Alizadeh**, 2012.
 6. **S.SH.Alizadeh**, R.Mirzaee, *Occupational Safety and Health Management System*, 2011.
 7. M.H. Taghdisi, **S.SH.Alizadeh**, *HSE Cultural Engineering*, 2009.
 8. *Effective HSE Management: A Team Aproach*, Translated by: R.Mirzaee, **S.SH.Alizadeh**, A. Zarranejad. 2009.
 9. M.H. Taghdisi, **S.SH.Alizadeh**, *HSE Strategic Management*, 2008.
 10. M.H. Taghdisi, **S.SH.Alizadeh**, *Integrated HSE Management System*, 2008.
 11. *Developing an effective safety culture Vol.2*, Translated by: P. Nassiri, **S.SH.Alizadeh**. 2008.
 12. *Developing an effective safety culture Vol.1*, Translated by: P. Nassiri, **S.SH.Alizadeh**. 2007.

Journal Publications:

1. A Review on Factors Affecting Large Truck–Involved Crashes. M Safar, KZ Benis, **SS Alizadeh**, HS Bazargani, N Masoudi. *Iranian Journal of Health, Safety and Environment* 10 (1), 1559-1570. 2024.
 2. Comprehensive risk assessment of water supply system in Bostan Abad based on water safety plan. S Sheikhi, A Moshiri, H Aslani, **S Alizadeh**. *Iranian Journal of Health and Environment* 15 (4), 701-714. 2023.
 3. Prediction of time in industrial chemical accidents: a survival analysis. F Sadeghi, A Dehdashti, N Gilanic, F Fatemi, **SS Alizadeh**, Work, 1-10. 2023.
 4. Investigating barriers to accident precursor reporting in East Azerbaijan Province Gas Company from the perspective of HSE officers: a qualitative study. R Ahmadpour-Geshlagi, N Gilani, S Azami-Aghdash, M Javanmardi, **SS Alizadeh**. *International Journal of Occupational Safety and Ergonomics* 28 (4), 2623-2630. 2022.
 5. Risk assessment of physical unit operations of wastewater treatment plant using fuzzy FMEA method: a case study in the northwest of Iran. **SS Alizadeh**, Y Solimanzadeh, S Mousavi, GH Safari. *Environmental Monitoring and Assessment* 194 (9), 609. 2022.
 6. Human Errors Risk Assessment In The Process of Producing Steam in Pars Tire Industry, Using TAFEI and ETA Methods. Z Farhad Tuoski, **SS Alizadeh**. *Journal of Environmental Science and Technology*. 2022.
 7. Risk assessment of municipal wastewater chlorination unit equipment using traditional and fuzzy FMEA: a case study. GH Safari, **SS Alizadeh**, Y Soleimanzadeh, S Musavi. *Journal of Environmental Science Studies* 7 (2), 4949-4956. 2022.
 8. Gas Pipelines Importance, Accidents and Hazards: A Literature Review study.
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- R Ahmadpour-geshlagi, HA Vafa, G Akbarinia, **SS Alizadeh**. *International Journal of Occupational Hygiene* 14 (2). 2022.
9. Evaluation the exposure extent of labors in printing industries with emitted pollutants in indoor environment. F Ahmadilar, L Khazini, **SS Alizadeh**. *Journal of Research in Environmental Health* 8 (1), 21-32. 2022.
10. Development and psychometric assessment an instrument for investigating Women's attitude toward home safety. R Ahmadpour-Geshlagi, GR Akbarinia, N Gillani, F Karimkhani, **SS Alizadeh**. *BMC public health* 22 (1), 948. 2022.
11. Application of Kent Muhlbauer method to risk assessment of urban gas pipelines GR Akbarinia, N Gilani, S Mohhammadzadeh, **SS Alizadeh**. *Journal of Pipeline Systems Engineering and Practice* 13 (1), 05021011. 2022.
12. Investigating the status of accident precursor management in East Azarbaijan Province Gas Company. R Ahmadpour-Geshlagi, N Gillani, S Azami-Aghdash, M Javanmardi, **SS Alizadeh**. *International journal of occupational safety and ergonomics* 28 (1), 428-439. 2022.
13. Likely behaviours of people under emergency circumstances in hospitals: A cross-sectional study. A Abouee-Mehrizi, **SS Alizadeh**, M Masoomi, R Barazandeh-Asl *The International journal of health planning and management*.2022.
14. Prioritizing the indicators influencing permit to work system efficiency based on an analytic network process. S Abbasi, N Gilani, M Javanmardi, **SS Alizadeh**, S Jalilpour, M Safari. *International Journal of Occupational Safety and Ergonomics* 28 (2), 1042-1052. 2022.
15. Effective Parameters on Chemical Accidents Occurrence: Findings from a Systematic Review. F Sadeghi, B Khoshmanesh zadeh, F Fatemi, N Gilani, **SS Alizadeh** *Journal of Failure Analysis and Prevention* 20, 1184-1191. 2020.
16. An investigation of patient safety culture: the beginning for quality and safety improvement plans in patient care services. E Rahimi, **SH Alizadeh**, AR Safaeian, N Abbas gholizadeh. *Journal of Health* 11 (2), 235-247. 2020.
17. Study of Fatigue Changes during the Working Day on the Base of Job Stress: The Role of Job Demands and Job Control on Fatigue Occurring. A Safaiyan, Y Rasoulzadeh, **SS Alizadeh**. *Iran Occupational Health* 17 (1), 1012-1022. 2020.
18. The Impact of Insurance on the Reduction or Increasing of Occupational Accidents: A Review. S Abbasi, P Khourestan, **SS Alizadeh**, MME Tehrani, S Jalilpour. *International Journal of Occupational Hygiene* 12 (1), 86-94. 2020.
19. A comprehensive review on risk factors affecting the crash severity. M Safari, **SS Alizadeh**, HS Bazargani, A Aliashrafi, A Maleki, *Iranian journal of health, safety and environment* 6 (4), 1366-1376. 2020.
20. Prioritizing the thirteenth dimensions of Organizational Resilience in dealing with crises and major accidents. D Mahmoudi, **SS Alizadeh**, Y Rasoulzadeh, MA Jafarabadi
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21. BP Texas Refinery Incident Causes: A Literature Review. **SS Alizadeh** ,Soheil Abbasi, Payam Khourdustan, Rasoul Sayyadi, Saeid Jalilpour. *International Journal of Occupational Hygiene (IJOH)* 12 (3), 256-271. 2020.
22. Analyzing the Hazardous Chemical Accident in Iran: A statistical Investigation NG Fatemeh Sadeghi Gelvardi, Behnoush Khoshmanesh, Farin Fatemi, **SS Alizadeh**. *International Journal of Occupational Hygiene* 12 (2), 140-153. 2020.
23. Evaluation of safety performance indicators for construction projects: A review study. H Sabouri, **SS Alizadeh**, M Mosaferi, A Safaiyan. *Iran Occupational Health*. 2020.
24. Dimensions analysis of the Hospital Survey on Patient Safety Culture questionnaire in Iran: Psychometric properties. E Rahimi, **SS Alizadeh**, AR Safaeian, N Abbasgholizadeh. *The International Journal of Health Planning and Management*. 2020.
25. The priority setting of factors affecting a crash severity using the Analytic Network Process. M Safari, **SS Alizadeh**, HS Bazargani, A Aliashrafi, M Shakerkhatibi, .*Journal of injury and violence research* 12 (1), 11. 2020.
26. Studying the Driving Safety Culture in Taxi Drivers in Tabriz City, Iran. RA Geshlagi, P Moshaeshaei, **SS Alizadeh**, PS Damanab, MME Tehrani. *International Journal of Occupational Hygiene* 11 (3), 212-219. 2019.
27. The relationship between organizational safety culture and unsafe behaviors, and accidents among public transport bus drivers using structural equation modeling. H Mokarami, **SS Alizadeh**, TR Pordanjani, S Varmazyar. *Transportation research part F: traffic psychology and behaviour* 65, 46-55. 2019.
28. Fatigue Assessment Scales: A comprehensive literature review. AS Sahar Rahimian Aghdam, **Seyed Shamseddin Alizadeh**, Yahya Rasoulzadeh. *Archives of Hygiene Sciences* 8 (3). 2019.
29. The validity and reliability of organizational resilience questionnaire (ORQ) in dealing with major accidents. D Mahmoudi, **SS Alizadeh**, Y Rasoulzadeh, JM Asghari. *Journal of Health and Safety at Work* 8 (400179), 2019. 383-396.
30. Prioritizing the Causes of Fire and Explosion in the External Floating Roof Tanks. P Moshashaei, **SS Alizadeh**, MA Jafarabadi, L Khazini. *Journal of Failure Analysis and Prevention* 18 (6),2018. 1587-1600.
31. How to write a proper HSE management system policy? **SS Alizadeh** . Soheil Abbasi, Payam Khourdustan, Rasoul Sayyadi, Siavash Vahabzadeh. *Scientific Journal of Pure and Applied Sciences* 7 (5), 774-780.2018.
32. Predicting maximum oxygen consumption based on anthropometric dimensions in medical emergency students. Chia Hakimi Payam Heydari , Sakineh Varmazyar, Mojtaba Jafarvand, **SS Alizadeh**. *Iran Occupational Health Journal* 14 (6), 126-134.

2018.

33. A survey on the status of engineering ethics in Iranian engineering education: A systematic review. FMO Reyhan, **S Alizadeh**. *Majallah-i Amuzih-i Muhandisi-i Iran* 19 (76), 79. 2018.

34. Safety and health work-instruction in mechanics provided using job safety analysis technique, PM, **Alizadeh**. YR, Valizadeh S. *Scientific Journal of Pure and Applied Sciences* (2015) 4(2) 44-48.

35. Health, safety and environment (HSE) management: a valuable tool for sustainable development and increasing productivity, **S Alizadeh**. *HSE* 1(1) (2015) 1–2.

36. Estimate of economic costs of accidents at work in Iran: A case study of occupational accidents in 2012, SA Roshan, **SS Alizadeh**. *Iran Occupational Health*, Vol. 12, No. 1, Apr-May 2015.

37. Failure Modes and Effects Analysis (FMEA) Technique: A Literature Review, **SS Alizadeh**, Y Rasoulzadeh, P Moshashaie, S Varmazyar. *scientific Journal of Review*, 2015.

38. Assessment of accidents severity in the construction industry using Bayesian theorem, **SS Alizadeh**, SB Mortazavi, M Mehdi Sepehri. *The International Journal of Occupational Safety and Ergonomics*, 2015.

39. Analysis of Occupational Accident Fatalities and Injuries in IRAN Between 2008 - 2012 in Male Group, **SS Alizadeh**, SB Mortazavi, M Mehdi Sepehri. *Iranian Red Crescent Medical Journal*, 2015.

40. Prediction of vehicle traffic accidents using Bayesian networks, **SS Alizadeh**, SB Mortazavi, M Mehdi Sepehri. *Scientific journal of pure and applied sciences*, 2014.

41. Building a Model Using Bayesian Network for Assessment of Posterior Probabilities of Falling From Height at Workplaces, **SS Alizadeh**, SB Mortazavi, M Mehdi Sepehri. *Health Promotion Perspective*, 2014.

42. Analysis of Iranian construction sector occupational accidents (2007-2011), **SS Alizadeh**, SB Mortazavi, M Mehdi Sepehri. *cientific Journal of Review*, 2013.

43. Anthropogenic factors and spatio-temporal conditions affecting occupational accidents in fishery sector, Iran (2007-2011), **SS Alizadeh**, SB Mortazavi, M Mehdi Sepehri. *Iranian Scientific Fisheries Journal*, 2013.

44. Identification and Assessment of Hazards in a Manufacturing Company using JSA, N Parvin, **SS Alizadeh**, G Farideh, S Shahtaheri. *Journal of Environmental Science and Technology*, 2006.

45. The Role of HSE-MS in Organization HSE Performance Improvement and Sustainable Development, AA Farshad, Y Khosravi, **SS Alizadeh**. *Iran Occupational Health Journal*, 2006.

Presentations:

1. Manual material handling risk factors assessment with MAC TOOL, 1st biennial Iranian conference on ergonomics, Hamadan, 2014.

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2. *Analysis of traffic accidents and determine the high risk points of IRAN roads using Bayesian networks*, 3rd National Conference of Road Safety and Traffic, Tehran, 2012.
 3. *Management Of Change (MOC) and its Role In HSE-MS*, 7TH Occupational Safety and Health Congress, Imam Khomeini University, Qazvin, Iran, 2011.
 4. *Accident Direct and Indirect Costs*, 3th Health Management Congress, Tehran, 2009.
 5. *The Role of IMS in Asset Integrity*, 3th Health Management Congress, Tehran, 2009.
 6. *Fire Predicting and Controlling in Buildings using Fire Load Estimate Model*, HSE-MS 1ST International Congress, Isfahan, Iran, 2008.
 7. *Hazard Identification and Assessment during Services or Product Life Cycle using HAZID Technique*, HSE-MS 1ST International Congress, Isfahan, Iran, 2008.
 8. *Hazard Identification and Assessment during Services or Product Life Cycle using HAZID Technique*, Iran Petrochemical 1ST Congress, Tehran, Iran, 2008.
 9. *Organizations Life Cycle and Its Application in HSE Strategic Management*, Iran Petrochemical 1ST Congress, Tehran, Iran, 2008.
 10. *Management Of Change*, 2nd Ministry of Petroleum HSE Conference, Bandarabbas, Iran, 2008.
 11. *Nanotechnology Hazards on HSE in Industries*, National Congress of Modern Technologies in Environment Sciences, Azad University, North Tehran University, Tehran, Iran, 2007.
 12. *HSE-MS and Sustainable Development*, 2nd Congress of Mining Engineering, AmirCahir University, Tehran, Iran, 2007.
 13. *Estimating of Accident Direct and Indirect Costs*, 3th Technical Inspection and 1st HSE Congress, Sanat Naft University, Abadan, Iran, 2006.
 14. *Analysis of HSEQ Role in Productivity*, 1st Industrial Engineering, Masjed Soleiman, Iran, 2006.
 15. *Culture Role in Achievement to HSE-MS Objectives*, HSE-MS Seminar and Its Importance in Sustainable Development, Tehran, Iran, 2006.
 16. *Emergency Response Plan*, 1st congress of Petrochemical and Oil Industries Medical Emergencies, Masjed Soleiman, Iran, 2006.
 17. *Management Of Change as a Most Important Element of HSE-MS*, 2nd Congress of Port Safety Management, Tehran, Iran, 2005.
 18. *Fire Control using Sprinklers System*, 1st Special Congress of Building Protection Against Fire, Tehran, Iran, 2003.
 19. *WHMIS*, Chemical Safety Management Seminar, Saveh, Iran, 2003.
 20. *Chemical Accident Response, Barriers and Recommendations*, Chemical Safety Management Seminar, Saveh, Iran, 2003.
 21. *Comparing Unusual Work TLV Corrective Models*, Occupational Health Congress,
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	Isfahan, Iran, 2002.
Referee	✓ Journal of health and safety at work ✓ Health Promotion Perspective ✓ Iran Occupational Health Journal, Iran University of Medical Sciences.
Qualification and Training Courses	✓ <i>IMS (ISO 9001, ISO 14001, OHSAS 18001), APO, 2013.</i> ✓ <i>OHSAS 18001:2007 Requirements, APO, 2011.</i> ✓ <i>ICDL, Petroleum Training Center, 2008.</i> ✓ <i>OHSAS 18001:2007 Requirements and Documentation, TUV NORD, 2007.</i> ✓ <i>ISO 9001:2000 Requirements and Documentation, TUV NORD, 2007.</i> ✓ <i>ISO 14001:2004 Requirements and Documentation, TUV NORD, 2007.</i> ✓ <i>IMS Internal Auditing, TUV NORD, 2007.</i> ✓ <i>ISO 9001:2000 Internal Auditing, TUV NORD, 2007.</i> ✓ <i>ISO 9001:2000 International Lead-Auditor, TUV NORD, 2007.</i> ✓ <i>Specialty Course of Translation, Tehran University, 2005.</i>
Computer Skills	ACCESS, EXCEL, POWERPOINT, SPSS, WORD Software, Endnote, Super Decision
Languages	Farsi: Native, English: good
Hobbies	Chess playing, Studying, Swimming, Jogging, Internet searching and Watching movies.
Workshops	1. <i>Genetic Algorithm and Artificial Intelligence, 20 hours, Jihad-e-Daneshgahi, Tarbiat Modares University, Tehran, Iran, 2011.</i> 2. <i>ISI Article Writing, 16 hours, Jihad-e-Daneshgahi, Tarbiat Modares University, Tehran, Iran, 2011.</i> 3. <i>Work with Laboratory Animals, 8 hours, Tarbiat Modares University, Tehran, Iran, 2010.</i> 4. <i>1st Petrochemical and Oil Industries Medical Emergencies, 16 hours, Masjed Soleiman, Iran, 2006.</i> 5. <i>Chemical Risk Assessment, 4 hours, Rey, Iran, 2006.</i> 6. <i>Noise Control at Workplace, 8 hours, Rey, Iran, 2006.</i>