

## Academic CV

### Yahya Khosravi

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#### POSITION

Associate professor, Department of occupational health and safety, Alborz University of Medical Sciences, Karaj, Iran

#### EDUCATION

**Doctor of Philosophy**, Tarbiat Modares University, Tehran, 2014

- Thesis title: Structural modeling of influencing factors on unsafe behaviors in construction projects

**Master of Science**, Iran University of Medical Science, Tehran, 2007

- Thesis title: Survey of the implementation effects of hazard communication standard on safety performance in a refinery complex

**Bachelor of Science**, Tehran University of Medical Science, Tehran, 2002

#### RESEARCH INTERESTS / RESEARCH PROFILE

#### SELECTED RESEARCH EXPERIENCE

1. Systematic review and meta-analysis of occupational exposure with extremely low frequency (ELF) electromagnetic fields and amyotrophic lateral sclerosis (ALS) incidence
2. Systematic review and meta-analysis of cancer incidence and mortality among firefighters
3. Task and hazard analysis of metro drivers and recommendations to improvement: a qualitative study
4. Assessment and analysis of ergonomic risk factors in metro driving job and recommendation for improvement: a mixed method study
5. Identifying individual and work-related risk factors of musculoskeletal disorders in South Pars Economic-Energy Zone organization: a quantitative study
6. Occupational cognitive failure and its relation with accident and unsafe behavior among urban bus drivers: a qualitative study
7. Development and implementation of surveillance system for cancer-related occupational exposures in Iranian oil industry
8. Assessment and evaluation of total bioaerosol concentration in selected hospitals in Iran and Alborz Universities of Medical Sciences
9. Assessment and evaluation of ergonomic factors among administrative staff in Iran and Alborz Universities of Medical Sciences

10. Study of the hazardous communication intervention on safety knowledge and performance among lab staff in Iran and Alborz Universities of Medical Sciences

#### **PH.D / M.S THESIS COMPLETED**

1. Z. Shakiba, Master of Engineering in Occupational Health, Cause analysis of Sina Athar Accident, Department of Occupational Health, Iran University of Medical Sciences, 2017 (Supervisor)
2. A. Naghibzade, Ph.D in Epidemiology, Investigation of direct effect of occupational exposure on cancer in Iran, Department of Epidemiology, Kerman University of Medical Sciences, 2021 (Advisor)
3. V. Farnad, Ph.D in Microbiology, Determine of genotypes of mycobacterium tuberculosis extracted from bioaerosols samples collected in a selected health center, Department of Microbiology, Azad University of Yasooj, 2019 (Advisor)
4. E. Mohebi, Master of Science in Health, Safety and Environment, Structural Equation modeling of major accident causation in construction projects, Department of Environmental Science, Azad University of Tehran, 2020 (Supervisor)
5. A. Mohamadi, Ph.D in Civil Engineering, Dynamic modeling of safety performance in construction projects, Department of Construction Management, University of Tehran, 2019 (Advisor)
6. V. Tehrani, Ph.D in Civil Engineering, Structural Equation modeling of safety investment in construction projects, Department of Construction Management, University of Semnan, 2019 (Advisor)
7. N. Ahmadi, Master of Science in Health, Safety and Environment, Investigation of concentration change of bacterial and fungal bioaerosols in inside and outside a selected hospital, Department of Environmental Science, Azad University of Tehran, 2019 (Advisor)
8. J. Memari, Master of Science in Health, Safety and Environment, Comparison study of indoor/outdoor index of total and special bioaerosols in a selected hospital, Department of Environmental Science, Azad University of Tehran, 2018 (Advisor)
9. H. Kariznoei, Master of Engineering in Occupational Health, Consequence Analysis of fire and explosion of a cylindrical LPG tank in a selected industry of oil and gas, Department of Occupational Health, Iran University of Medical Sciences, 2017 (Advisor)
10. P. Yari, Master of Engineering in Occupational Health, Correspondence analysis of occupational accidents occurred among insured workers Social Security for a period of ten years, Department of Occupational Health, Iran University of Medical Sciences, 2017 (Advisor)
11. Z. Ebrahimi, Master of Engineering in Occupational Health, Problems of hospital from the perspective of human-system interface technology and recommended practices for improvement: a qualitative study, Department of Occupational Health, Iran University of Medical Sciences, 2016 (Advisor)
12. G. Zare, Master of Engineering in Occupational Health, The survey of relationship between occupational cognitive failures and safety performance among bus drivers, Department of Occupational Health, Iran University of Medical Sciences, 2013 (Advisor)
13. H. Chorom, Estimation of burden of diseases in DALYs for occupational accidents among Iranian workers covered by social security, Department of Environmental Science, Azad University of Tehran, 2012 (Advisor)
14. N. Hassanzadeh-Rangi, Master of Engineering in Occupational Health, Development and evaluation of a new questionnaire for rating of cognitive failures at work, Department of Occupational Health, Shahid Beheshti University of Medical Sciences, 2010 (Advisor)

#### **SELECTED STUDENT RESEARCH CONSULTING**

1. S. Pezeshk, Assessment of health, safety and environment (HSE) statues in office workplaces in Alborz University of Medical Sciences
2. M. Karbeh, Assessment of health, safety and environment (HSE) statues in educational and research workplaces in Alborz University of Medical Sciences
3. A. Riazat, Evaluation of exposure to Asbestos among train drivers and passengers of Metro line 5 (Tehran-karaj)

#### **SELECTED INDUSTRIAL AND ORGANIZATIONAL GRANTS**

1. Analysis of occupational exposure status and related outcomes in workshops and industries of the country and presentation of research priorities and executive interventions, Ministry of Health, 2021
2. Health, Safety and Environment (HSE) assessment of neighborhoods in Tehran Municipality: validity and reliability of a new instrument
3. Task hazard analysis of high risk jobs in the selected oil and gas storage terminals of National Iranian Oil Products Distribution Company: a qualitative study
4. Task hazard analysis of high risk jobs in Azerbaijan Gas Zone Company: a qualitative study
5. Assessment and evaluation of occupational harmful agents in a gas refinery (Assaluyeh)
6. Assessment and evaluation of ergonomic factors among operative and administrative staff in Pars Oil and Gas Company
7. Task and hazard analysis of metro drivers and recommendations to improvement: a qualitative study

#### **AWARDS / DISTINCTIONS**

1. The author of the top 10% highly downloaded articles in International journal of Cancer, 2019 (IF=7.1)
2. The author of the most cited and read article in the international Journal of Occupational Safety and Ergonomics (IF=2.4)
3. Top researcher (2017) at School of Health, Alborz University of Medical Sciences

#### **AREAS OF TEACHING EXPERTISE**

1. Accident investigation and analysis
2. System safety
3. Safety engineering
4. Occupational health
5. Ergonomics and human factors
6. Radiation protection
7. Research methodology
8. Occupational health and safety epidemiology
9. Modeling in occupational health and safety

#### **TEACHING EXPERIENCE**

Iran University of Medical Sciences, 2009-2014

1. Human factor and ergonomics (MSc students)
2. Safety at workplace 3 (Machine and electrical safety)

Tehran University of Medical Sciences, 2014-2015

1. Safety at workplace 2 (chemical and fire safety)

Alborz University of Medical Sciences, 2010-present

1. Safety at workplace 1
2. Construction and mining safety
3. Safety at workplace 2
4. Chemical and fire safety
5. Safety at workplace 3
6. Machine and electrical safety
7. Risk assessment
8. Integrated management system (IMS)
9. Accident investigation and emergency response
10. Industrial psychology
11. Industrial management
12. Radiation health and protection
13. Chemical sampling and evaluation
14. Occupational toxicology
15. Occupational health and safety
16. Occupational health
17. Health promotion at workplace (MSc student)
18. Specialized English language

#### **SELECTED ADMINISTRATIVE ACTIVITY / SERVICE**

1. Vice Director, Occupational and Environmental Health Center, Ministry of Health and Medical Education, Iran (2019-present)
2. Iranian National Manager of Occupational Health, CEHA-EMRO, WHO (2019-present)
3. Head, Department of Occupational Health and Safety, Alborz University of Medical Science (2013-2019)
4. Founder and Head, Research Center for Health, Safety and Environment, Alborz University of Medical Science (2016-2018)
5. Safety and Crisis Manager, South Pars Economy Energy Zone, National Oil Company, Assaluyeh, Iran (2004-2006)

#### **PUBLICATIONS / PRESENTATIONS /BOOKS**

##### **PEER-REVIEWED PUBLICATIONS**

1. Amyotrophic lateral sclerosis, occupational exposure to extremely low frequency magnetic fields and electrical shocks: a systematic review and meta-analysis, H Jalilian, K Najafi, **Y Khosravi**, M Roosli, Review on Environmental Health, 2020, In Press
2. Development of a national conceptual framework and measuring tool for Organisational Social Responsibility and Accountability for Health (OSRAH), N Keshavarzi, F Taheri, M Motallebi, A Yazdanpanah, Y Khosravi, Global health promotion. 2020, 27 (2), 17-25
3. Factors affecting unsafe behavior in construction projects: development and validation of a new questionnaire, H Asilian-Mahabadi, **Y Khosravi**, N Hassanzadeh-Rangi, E Hajizadeh, International Journal of Occupational Safety and Ergonomics, 2020,

4. Investigating the Impact of Safety Investment on Safety Culture in Construction Projects-Case Study of Power Plant Construction Projects, V Zeinalabedin Tehrani, O Rezaeifar, M Gholhaki, Y Khosravi, Iran Occupational Health, 2020, 71-80
5. Cancer incidence and mortality among firefighters, H Jalilian, M Ziaei, E Weiderpass, CS Rueegg, **Y Khosravi**, K Kjaerheim, International journal of cancer, 2019, 145 (10), 2639-2646
6. Investigating factors of safety culture assessment in construction industry projects, VZ Tehrani, O Rezaifar, M Gholhaki, Y Khosravi, 2019, Civil Engineering Journal 5 (4), 971-983
7. Mental workload assessment among train drivers using ECG-related indices, MJ Jafari, N Hassanzadeh-Rangi, Y Khosravi, S Khodakarim, 2019, Health and Safety at Work 8 (4), 333-344
8. Author's Reply to: Cancer incidence and mortality among firefighters, H Jalilian, M Ziaei, E Weiderpass, CS Rueegg, **Y Khosravi**, K Kjaerheim, 2019, International Journal of Cancer 145 (3), 870
9. Author's reply to: Meta-analysis of cancer risks of professional firefighters, H Jalilian, M Ziaei, E Weiderpass, **Y Khosravi**, K Kjaerheim, CS Rueegg, International Journal of Cancer, 2019, 145, 1702-1703
10. Developing safety archetypes of construction industry at project level using system dynamics, A Mohammadi, M Tavakolan, Y Khosravi, Journal of safety research, 2018, 67, 17-26
11. Factors influencing safety performance on construction projects: A review, A Mohammadi, M Tavakolan, Y Khosravi, Safety science. 2018, 109, 382-397
12. Inhalation exposure of nano diamond induced oxidative stress in lung, heart and brain, **Y Khosravi**, A Salimi, J Pourahmad, P Naserzadeh, E Seydi, Xenobiotica, 2018, 48 (8), 860-866
13. Relationship between Rapid Office Strain Assessment (ROSA) with Knowledge and Behavior of the office workers in an Oil and Gas Company in Iran, **Y Khosravi**, S Roshani, A Asadi, M Mobini, M Hassanbaigi, Occupational Medicine, 2018, 10 (3), 17-25
14. A qualitative investigation of factors influencing unsafe work behaviors on construction projects, H Asilian-Mahabadi, **Y Khosravi**, N Hassanzadeh-Rangi, E Hajizadeh, Work, 2018, 61 (2), 281-293
15. Problems of hospital from the perspective of human-system interface technology and recommended practices for improvement: a qualitative study, Z Ebrahimi, AA Farshad, Y Khosravi, R Yarahmadi, Iran Occupational Health, 2017, 14 (2), 55-71
16. Occupational exposure of train drivers to static and extremely low frequency magnetic fields in Tehran subway, H Jalilian, K Najafi, MR Monazzam, Y Khosravi, J Jamali, Jundishapur J Health Sci, 2017.
17. Presenting occupational accidents patterns based on the affinity of risk-injury groups (case study), P Yari, R Yarahmadi, Y Khosravi, M Salehi, H Kariznovi, Health and Safety at Work, 2017, 7 (3), 255-266
18. Consequence Analysis of fire and explosion of a cylindrical LPG tank in a selected industry of oil and gas, H Kariznovi, AA Farshad, R Yarahmadi, Y Khosravi, P Yari, Iran Occupational Health, 2017, 14 (3), 37-45
19. Correspondence analysis of occupational accidents occurred among insured workers Social Security for a period of ten years, R Yarahmadi, P Yari, Y Khosravi, M Salehi, Iran Occupational Health, 2017, 14 (3), 95-104
20. Assessment of Static and Extremely Low-Frequency Magnetic Fields in the Electric-Powered Trains, H Jalilian, K Najafi, MR Monazzam, Y Khosravi, Z Zamanian, International Journal of Occupational Hygiene, 2017, 9 (2), 105-112
21. The effect of emotional intelligence and job stress on burnout: A structural equation model among hospital nurses, SE Samaei, **Y Khosravi**, O Heravizadeh, International journal of occupational hygiene, 2017, 9 (2), 52-59
22. Mental workload and its relation with fatigue among urban bus drivers, N Hassanzadeh-Rangi, **Y Khosravi**, M Sarami, MJ Jafari, Journal of Occupational Hygiene Engineering, 2017, 4 (1), 66-74

23. Measurement of train's driver occupational exposure to static magnetic field, M Monazzam, H Jalilian, K Najafi, Y Khosravi, M Zokaie, Z Zamanian, Occupational Medicine Quarterly Journal, 2017, 9 (2), 40-49
24. Assessment and analysis of physical workload in metro driving job and recommendation for improvement, N Hassanzadeh-Rangi, **Y Khosravi**, AA Farshad, H Jalilian, Health and Safety at Work, 2017, 7 (1), 33-44
25. Present of occupational accidents dimensions based on risk-injury affinity groups (case study, from 1384 to 1393), P Yari, R Yarahmadi, Y Khosravi, E Asivnd, Journal of Occupational Hygiene Engineering, 2017, 3 (4), 1-9
26. Task and hazard analysis of metro drivers and recommendations to improvement, **Y Khosravi**, N Hassanzadeh-Rangi, AA Farshad, Iran Occupational Health 13 (6), 46-57
27. Workload in Train Driving Job: Affecting Factors and Improvement Recommendations, **Y Khosravi**, AA Farshad, H Jalilian, Journal of Ergonomics, 2017, 5 (1), 60-72
28. Inter and intra-rater reliability of a new assessment tool for Health, Safety, and Environment (HSE) in urban districts: A case study in Tehran city, N Hassanzadeh-Rangi, **Y Khosravi**, AA Farshad, R Abedinloo, H Jalilian, Health and Safety at Work , 2016, 6 (3), 73-90
29. Occupational Exposure Assessment of Tehran Metro Drivers to Extremely Low Frequency Magnetic Fields, H Jalilian, Y Khosravi, K Najafi, Z Zamanian, Journal of Occupational Hygiene Engineering, 2016, 2 (4), 58-64
30. Content and trend analysis of articles published in a key journal on human factors and ergonomics during 2005-2014, N Hassanzadeh-Rangi, **Y Khosravi**, Iranian Journal of Ergonomics, 2015, 3 (2), 44-53
31. Assessment of Health, Safety and Environment (HSE) indices in an urban vicinity: A Case Study based on Community-Based Initiatives (CBI) in Tehran, R Abedinloo, **Y Khosravi**, H Jalilian, S MajdAbadi, AA Farshad, Health and Safety at Work, 2015, 5 (1), 25-34
32. Why construction workers involve in unsafe behavior? Development and cross-validation of a structural model. **Y Khosravi**, H Asilian-Mahabadi, N Hassanzadeh-Rangi, E Hajizadeh, Iran Occupational Health, 2015, 12 (1)
33. Why construction workers involve in unsafe behavior? validity and reliability study of a new instrument. **Y Khosravi**, H Asilian-Mahabadi, MJ Jafari, N Hassanzadeh-Rangi, Iran Occupational Health, 2014, 11 (6)
34. Structural modeling of safety performance in construction industry, **Y Khosravi**, H Asilian-Mahabadi, E Hajizadeh, N Hassanzadeh-Rangi, Iranian journal of public health, 2014, 43 (8), 1099
35. Why construction workers involve in unsafe behaviors? Part A: A qualitative research, **Y Khosravi**, H AsilianMahabadi, E Hajizadeh, N Farshad, S Arghami, Iran Occupational Health, 2014, 11 (1), 55-69
36. Identifying individual and work-related risk factors of musculoskeletal disorders in an industrial organization, VS Hassanzadeh-Rangi N, Farshad AA, Motamedzade M, **Khosravi Y**, Journal of Ergonomics, 2014, 1 (2), 36-48
37. Occupational cognitive failure and its relationship with unsafe behaviors and accidents, N Hassanzadeh-Rangi, A AsgharFarshad, **Y Khosravi**, G Zare, International journal of occupational safety and ergonomics, 2014, 20 (2), 265-271
38. Occupational cognitive failures and safety performance in the workplace, T Allahyari, NH Rangi, H Khalkhali, Y Khosravi, International journal of occupational safety and ergonomics, 2014, 20 (1), 175-180
39. Factors influencing unsafe behaviors and accidents on construction sites: a review, **Y Khosravi**, H Asilian-Mahabadi, E Hajizadeh, N Hassanzadeh-Rangi, International journal of occupational safety and ergonomics, 2014, 20 (1), 111-125

40. Modeling the factors affecting unsafe behavior in the construction industry from safety supervisors' perspective, **Y Khosravi**, H Asilian-Mahabadi, E Hajizadeh, N Hassanzadeh-Rangi, Journal of research in health sciences, 2013, 14 (1), 29-35
41. The survey of relationship between occupational cognitive failures and safety performance among bus drivers, N Hassanzadeh-Rangi, N Farshad, Y Khosravi, PS Gholami, G Zare, , Iran Occupational Health, 2013, 11 (1), 55-69
42. Development of an Occupational Cognitive Failure Questionnaire (OCFQ): evaluation validity and reliability, N HassanzadehRangi, T Allahyari, Y Khosravi, F Zaeri, M Saremi, Iran Occupational Health, 2012, 9 (1), 29-40
43. Epidemiology of work-related Accidents in Kerman Coal Mines during 1991-2006. S Khodabandeh, A Haghdoost, Y Khosravi, Iran Occupational Health, 2012, 8 (4)
44. Development and evaluation of a new questionnaire for rating of cognitive failures at work, T Allahyari, N Hassanzadeh, Y Khosravi, F Zayeri, International Journal of Occupational Hygiene, 2011, 3 (1), 6-11
45. The Study of Implement of HCS Program at Hazardous Chemicals Knowledge and Safety performance in Tehran refinery's laboratory unit, **Y Khosravi**, AA Farshad, SH Arghami, MH Taghdisi, MR Gaohari, Iran Occupational Health, 2008, 5 (3), 20-27
46. The role of HSE Management System to improve the performance of health, safety and the environment and sustainable development organizations (case study), A Farshad, **Y Khosravi**, S Alizadeh, Iran Occupational Health, 2006, 3 (3), 6-11

## RESEARCH PROFILE

1. Scopus

Research profile on Scopus:

<https://www.scopus.com/authid/detail.uri?authorId=55090538600>

2. Google Scholar

Research profile on Google Scholar:

<https://scholar.google.com/citations?user=1FTzfg0AAAAJ&hl=en&oi=ao>

## BOOKS

1. Occupational Exposure Limit (OEL), A. Jonaidi, Y Khosravi, et al. Ministry of Health, Tehran, 2021
2. Behavior-based safety: a focus on civil projects, Y Khosravi, H Asilian-Mahabadi, N Hassanzadeh-Rangi, Fadak Stasis, Tehran, 2017
3. How to write an ISI paper, Y Khosravi, N Hassanzadeh-Rangi, Fadak Stasis, Tehran, 2017
4. Lesson Learning from Oil and Gas accidents, M Ansari, M Hassanbaigi, Y Khosravi, Fadak Stasis, Tehran, 2017
5. Measuring tool for Organisational Social Responsibility and Accountability for Health (OSRAH), N KeshavarzMohammadi, AA Farshad, M Motallebi, Y Khosravi, Ministry of Health, Tehran, 2017
6. Hazard Analysis Techniques for System Safety, S Arghami, Y Khosravi, M Hassanbaigi, Gharagah Khatam, Tehran, 2012

## CONFERENCE PRESENTATIONS AND POSTERS

### SELECTED CONFERENCE PRESENTATIONS

1. Development and Evaluation of a New Questionnaire for Rating of Cognitive Failures at Work. N Hassanzadeh-Rangi, T Allahyari, The 10th International Symposium of Human Factors in Organisational Design and Management.4-6 April 2011, Grahamstown, South Africa.
2. Economic Justification of Occupational Health and Safety Programs, National Health congress, N Hassanzadeh-Rangi, Y Khosravi, April, 10-12, Tehran, Iran
3. Integration of Health, Safety and Environment Programs: Why and How? National Health congress, Y Khosravi, N Hassanzadeh-Rangi, April, 10-12, Tehran, Iran

#### **SELECTED CONFERENCE POSTERS**

4. Workload in Train Driving Job: Affecting Factors and Improvement Recommendations, N Hassanzadeh-Rangi, Y Khosravi, AA Farshad, H Jalilian, National Conference on Safety and Health at Work, 20-23 March 2017, Rasht, Iran
5. Assessment and analysis of physical workload in metro driving job and recommendation for improvement, N Hassanzadeh-Rangi, Y Khosravi, AA Farshad, H Jalilian, International Conference on Civil Engineering, 15-18 Jan 2017, Tehran, Iran
6. Mental workload and its relation with fatigue among urban bus drivers, N Hassanzadeh-Rangi, Y Khosravi, M Sarami, MJ Jafari, International Conference on Civil Engineering, 15-18 Jan 2017, Tehran, Iran
7. The survey of relationship between occupational cognitive failures and safety performance among bus drivers, N Hassanzadeh-Rangi, N Farshad, Y Khosravi, PS Gholami, G Zare, International Conference on Civil Engineering, 15-18 April 2016, Tehran, Iran
8. Task and hazard analysis of metro drivers and recommendations to improvement, Y Khosravi, N Hassanzadeh-Rangi, AA Farshad, International Conference on Civil Engineering, 15-18 April 2016, Shiraz, Iran