



## CURRICULUM VITAE

### Dr. Ali Salehi Sahlabadi

Associate Professor | Faculty Member, Department of Occupational Health and Safety Engineering

#### Educational Background

- Graduated 1st-ranked in Associate Degree in Occupational Health, Ahvaz Jundishapur University of Medical Sciences (2002).
- Graduated 1st-ranked in B.Sc. in Occupational Health, Shahid Beheshti University of Medical Sciences, Tehran (2004).
- Admitted to M.Sc. in Occupational Health, Tehran University of Medical Sciences, ranked 1st nationally (2005).
- Graduated 1st-ranked in M.Sc. in Occupational Health, Tehran University of Medical Sciences (2008).
- Admitted to Ph.D. in Occupational Health, Tehran University of Medical Sciences (2010).
- Graduated with Ph.D. in Occupational Health, Tehran University of Medical Sciences (2015).

#### Thesis and Dissertation Titles

| Title                                                                                                                                                                                       | Degree                                   | Year |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------|
| Determination of Maximum Acceptable Weight of Load (MAWL) in Iranian Men between 20-30 years old based on Physiological Indices and Electromyography Data                                   | Ph.D. in Occupational Health Engineering | 2015 |
| Assessment and Determination of Cervical, Dorsal and Lumbar Spine Curvature and its Relationship with the Prevalence of Back Musculoskeletal Disorders in Workers of an Automotive Industry | M.Sc. in Occupational Health Engineering | 2008 |
| Assessment of the Prevalence of Musculoskeletal Disorders among Tehran Urban Bus Drivers Using RULA and Its Agreement with the Body Map Questionnaire                                       | B.Sc. in Occupational Health Engineering | 2005 |

#### Research Interests

Emerging technologies, artificial intelligence and intelligent systems in ergonomics; occupational ergonomics and workstation design; work-related musculoskeletal disorders and prevention; occupational biomechanics and assessment of mechanical body loads; ergonomic risk assessment and analysis of working postures; manual material handling ergonomics; cognitive ergonomics; ergonomics of healthcare environments and health of healthcare workers; ergonomic interventions.

#### Personal Information

| Item          | Information                                                                                                                                         |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Full Name     | Ali Salehi Sahlabadi                                                                                                                                |
| Academic Rank | Associate Professor                                                                                                                                 |
| Position      | Faculty Member, Department of Occupational Health and Safety Engineering                                                                            |
| Work Address  | Faculty of public Health and Safety, Shahid Beheshti University of Medical Sciences, Student Blvd., Shahid Shahriari Square, Velenjak, Tehran, Iran |
| Telephone     | +98 21 2243 2040, Ext. 218                                                                                                                          |
| E-mail        | asalehi529@gmail.com; asalehi529@sbmu.ac.ir                                                                                                         |

## Educational and Administrative Experience

| No. | Position                                                                               | Institution                                                                  | Period            |
|-----|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------|
| 1   | faculty member, Department of Occupational Health Engineering                          | Shahid Beheshti University of Medical Sciences, Tehran                       | Dec 2016–Present  |
| 2   | faculty member, Department of Occupational Health Engineering                          | Ahvaz Jundishapur University of Medical Sciences                             | 2008–Feb 2011     |
| 3   | Affiliate member, Ergonomics Group                                                     | Faculty of Health and Safety, Shahid Beheshti University of Medical Sciences | Nov 2018–Oct 2020 |
| 4   | Member, Research Council of the Center for Safety Promotion and Injury Prevention      | Faculty of Health and Safety, Shahid Beheshti University of Medical Sciences | Mar 2025–Present  |
| 5   | Member, Research Council of the Journal of Safety Promotion and Injury Prevention      | Faculty of Health and Safety, Shahid Beheshti University of Medical Sciences | Jul 2026–Present  |
| 6   | Member, Specialized HSE Committee                                                      | Tehran Municipality Organization for Prevention and Crisis Management        | Jun 2024–Present  |
| 7   | Head of Faculty Library                                                                | Faculty of Health and Safety, Shahid Beheshti University of Medical Sciences | May–Dec 2018      |
| 8   | Responsible member, Educational Development Office (EDO) Curriculum Planning Committee | Faculty of Health and Safety, Shahid Beheshti University of Medical Sciences | May 2023–Present  |
| 9   | Member, Faculty Committee Supervising Scientific Associations                          | Faculty of Health and Safety                                                 | Feb 2020–Present  |
| 10  | Head of Laboratory Affairs, Occupational Health Engineering Group                      | Faculty of Health, Ahvaz Jundishapur University of Medical Sciences          | 2011              |
| 11  | Head of Library Affairs, Occupational Health Engineering Group                         | Faculty of Health, Ahvaz Jundishapur University of Medical Sciences          | 2011              |

## Research Publications – ISI, PubMed and Scopus Indexed

| No. | Article                                                                                                                                                                        | Journal                     | Year |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------|
| 1   | The mediating role of psychosocial work environment factors in the relationship between shift work, work ability, and quality of life among hospital security                  | BMC Psychology              | 2026 |
| 2   | Application of Artificial Intelligence in Predicting and Assessing Ergonomic Risks: A Systematic Review                                                                        | Iran Occupational Health    | 2026 |
| 3   | The impact of instrumental music on dual-task interference in a simulated driving environment                                                                                  | Psychological Research      | 2026 |
| 4   | Investigating the prevalence of musculoskeletal disorder risks in an auto parts manufacturing industry in Tehran: Comparative evaluation of the CRAMUD, REBA, and CMDQ methods | Physical Treatments Journal | 2026 |

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| 5  | Fire Emergency Response Modeling and Analysis in Hospital Emergency Departments Using a Petri Net Model                                                                                                                            | Health in Emergencies and Disasters Quarterly              | 2026 |
| 6  | A Content Analysis of People's Perception of Climate Change and Its Relationship with Flooding in Parts of Northwestern Iran                                                                                                       | Health in Emergencies and Disasters Quarterly              | 2026 |
| 7  | Climate Change and Its Implications for Occupational Health and Safety: A Comprehensive Systematic Review                                                                                                                          | Health in Emergencies and Disasters Quarterly              | 2026 |
| 8  | Biocentric and Life Course Perspectives on Risk Perception of COVID-19 and Climate Change: A Narrative Review                                                                                                                      | Shahroud Journal of Medical Sciences                       | 2026 |
| 9  | Exploring the correlation between certain psychological factors and cognitive abilities among central control room operators in a western Iranian oil field: A fitting trial study in ergonomics                                   | Journal of Education and Health Promotion                  | 2026 |
| 10 | Investigation of Occupational Stress, Job Burnout, and Musculoskeletal Discomfort Among Dentists and the Role of Ergonomics in Reducing Them: A Systematic Review                                                                  | Journal of Health and Safety at Work                       | 2026 |
| 11 | Comparison and Agreement between WERA, QEC, and ART Methods in Evaluating Drivers' Musculoskeletal Disorders Risk                                                                                                                  | The Physical Treatments Journal                            | 2026 |
| 12 | Investigation of the Association between Ergonomic Conditions of Nursing Workstations and the Risk of Musculoskeletal Disorders among Nurses: A Case Study in Selected Hospitals of Shahid Beheshti University of Medical Sciences | BMC Nursing                                                | 2025 |
| 13 | Predictive Power of the HEMPA Risk Assessment Method for Musculoskeletal Disorders in Nurses and Caregivers: Insights and Implications                                                                                             | BMC Nursing                                                | 2025 |
| 14 | Development of a Software to Drowsiness Detection for Drivers Using Image Processing and Neural Networks                                                                                                                           | Iranian Journal of Public Health                           | 2025 |
| 15 | Studying the Effects of Ergonomic Interventions on Cervical and Lumbar Spine Pain in Dentists                                                                                                                                      | Iranian Rehabilitation Journal                             | 2025 |
| 16 | Impact of Digital Device Use on Vision Syndrome and Sleep Quality Among Iranian University Staff                                                                                                                                   | The Physical Treatments Journal                            | 2025 |
| 17 | The Influence of Educational Intervention According to Ergonomic Principles on Neck and Shoulder Disability and Pain Indices Relevant to Smartphones Among Students                                                                | Journal of Education and Health Promotion                  | 2025 |
| 18 | Explanation of Challenges to Health Tourism Development from the Perspective of Managers: A Qualitative Study                                                                                                                      | Journal of Education and Health Promotion                  | 2025 |
| 19 | Association of Backpacks Carriage Manner (BCM) and Musculoskeletal Symptoms among Students Facilitating Health Promotion: Ergonomics Design-Based Qualitative Content Analysis Study                                               | Journal of Education and Health Promotion                  | 2025 |
| 20 | Examining the Impact of Occupational Stress and Shift Work Schedules on the Cognitive Functions among Firefighters in Normal Condition                                                                                             | WORK: A Journal of Prevention, Assessment & Rehabilitation | 2025 |
| 21 | Behavioral Analysis and Evolution of Coronavirus Encountering in Iranians: From Common Beliefs to People's Performance                                                                                                             | Journal of Education and Health Promotion                  | 2025 |
| 22 | Survey on the Relationship between Stress and                                                                                                                                                                                      | International Journal of                                   | 2025 |

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|    | Cardiovascular Health among Office Employees at a University Hospital in Iran                                                                                                    | Occupational Safety and Ergonomics                         |      |
| 23 | The Role of Virtual Training Workshops Based on the ISO 10015 Standard in Increasing the Health and Safety Students' Knowledge                                                   | Journal of Education and Health Promotion                  | 2025 |
| 24 | Analysis of the Impact of Mental Workload on Safety Behavior of Workers in the Iron and Steel Industry with Emphasis on the Mediating Role of Occupational Burnout: A Case Study | Iran Occupational Health                                   | 2025 |
| 25 | Investigating the Relationship between Safety Climate, Occupational Stress, Occupational Fatigue, and Self-Esteem among Employees of a Military Industrial Unit                  | Journal of Military Medicine                               | 2025 |
| 26 | Impact of Global Climate Change on Ecology of Anopheles Mosquitoes: A Systematic Review                                                                                          | Iranian Journal of Public Health                           | 2025 |
| 27 | Application of Artificial Intelligence in Triage in Emergencies and Disasters: A Systematic Review                                                                               | BMC Public Health                                          | 2024 |
| 28 | Evaluation of Health Risk Experienced by Urban Taxi Drivers to Whole-Body Vibration and Multiple Shocks                                                                          | Noise & Vibration Worldwide                                | 2024 |
| 29 | Impact of Climate Change on Public Health in Iran: A Systematic Review                                                                                                           | Health in Emergencies and Disasters Quarterly              | 2024 |
| 30 | Investigating the Association of Mental Workload, Occupational Fatigue and Job Stress in Emergency Nurses in Iran                                                                | Health in Emergencies and Disasters Quarterly              | 2024 |
| 31 | Investigating the Relationship between Subjective and Interpretive Drowsiness with Lane Departure in Simulator Driving                                                           | Health in Emergencies and Disasters Quarterly              | 2024 |
| 32 | Neck Pain Severity and Work Ability Index: A Study of Tehran Dental Students                                                                                                     | Iranian Rehabilitation Journal                             | 2024 |
| 33 | Developing a Questionnaire to Investigate Monthly Human Errors among Railway Traffic Control Room Employees                                                                      | Iranian Rehabilitation Journal                             | 2024 |
| 34 | Implementation and Evaluation of the Impact of Virtual Workshops of Voluntary Educational Assistance among Occupational Health and Safety Students: Case Study, Ardabil, Iran    | Journal of Education and Health Promotion                  | 2024 |
| 35 | Examining the Concordance between ART and ERIN Methods in the Assessment of Musculoskeletal Disorders in Dental Students of Shahid Beheshti University of Medical Sciences       | The Open Dentistry Journal                                 | 2024 |
| 36 | Symptoms and Diseases Related to Occupational Health Caused by Climate Change: A Systematic Literature Review                                                                    | Iranian Biomedical Journal                                 | 2024 |
| 37 | Investigating the Usability and Comfort of Safety Harness in Construction Projects: The Reasons for Non-Use among Iranian Workers                                                | Journal of Health & Safety at Work                         | 2024 |
| 38 | Musculoskeletal Disorders and Related Risk Factors in Iranian Military Personnel: A Systematic Review and Meta-Analysis                                                          | Iranian Journal of Public Health                           | 2024 |
| 39 | Design and Psychometric Analysis of the Safety Harness Usability and Comfort Assessment Tool (SH-UCAT)                                                                           | Heliyon                                                    | 2023 |
| 40 | The Effects of Personal Protective Equipment on Heart Rate, Oxygen Consumption and Body Temperature of Firefighters: A Systematic Review                                         | WORK: A Journal of Prevention, Assessment & Rehabilitation | 2023 |
| 41 | Semi-Quantitative Risk Assessment for Workers                                                                                                                                    | WORK: A Journal of                                         | 2023 |

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|    | Exposed to Occupational Harmful Agents in an Oilfield in Iran                                                                                                 | Prevention, Assessment & Rehabilitation                               |      |
| 42 | Safety Culture and Perception of Warning Signs of Chemical Hazards among Hospital Cleaning Workers: A Cross-Sectional Study                                   | BMC Public Health                                                     | 2023 |
| 43 | Workplace Risk Factors Assessment in North-Azadegan Oil Field Based on Harmful Agents Risk Priority Index (HARPI)                                             | Iranian Journal of Public Health                                      | 2023 |
| 44 | Operation and Maintenance (O&M) Risks Management Based on the Hazard and Effect Management Index (HEMI) in an Oilfield                                        | Journal of Chemical Health Risks                                      | 2023 |
| 45 | Removal of Cadmium from Aqueous Solution Using Nano Prosopis cineraria Leaf Ash (NPCLA)                                                                       | Environmental Health Engineering and Management                       | 2023 |
| 46 | Experimental Investigation of Hydrogen Sulfide Adsorption from Drilling Fluid Wastes by Functionalized Carbon Nanotubes                                       | International Journal of Environmental Health Engineering             | 2023 |
| 47 | The Effect of Sleep Quality on the Probability of Human Error of Staff of Railway Traffic Control Rooms                                                       | Iran Occupational Health                                              | 2023 |
| 48 | Determining the Relationship between Cognitive Performance and LED Lamp Color Temperature and Personality Type in Students                                    | International Journal of Industrial Engineering & Production Research | 2023 |
| 49 | The Effects of Heat Stress on Bakery Workers: A Systematic Review                                                                                             | Iranian Journal of Public Health                                      | 2023 |
| 50 | Identification and Classification of Factors Affecting the Non-Use of Safety Harness at Height among Construction Workers in Tehran                           | PLOS ONE                                                              | 2023 |
| 51 | The Effect of Computer Vision Syndrome on Sleep Quality in Users of Digital Displays: A Systematic Review                                                     | Journal of Occupational Health and Epidemiology                       | 2023 |
| 52 | Study of the Effect of Simultaneous Exposure to Noise and Heat Stress on the Activity Level of Biceps and Flexor Muscles                                      | Iran Occupational Health                                              | 2022 |
| 53 | Effectiveness of Training Program in Manual Material Handling: A Health Promotion Approach                                                                    | Journal of Education and Health Promotion                             | 2022 |
| 54 | Study of Suicidal Thoughts and Intentions with Regard to Job Stress among Female Medical Students Living in Dormitory with a Mental Health Promotion Approach | Journal of Education and Health Promotion                             | 2022 |
| 55 | Investigating the Prevalence of COVID-19 Among the Armed Forces and Its Impact on Their Mental Health: Systematic Review                                      | Journal of Military Medicine                                          | 2022 |
| 56 | Investigation of Occupational Fatigue and Safety Climate among Nurses Using the Structural Equation Model                                                     | WORK: A Journal of Prevention, Assessment & Rehabilitation            | 2022 |
| 57 | Effectiveness of Educational Intervention on Reducing Oxidative Stress Caused by Occupational Stress in Nurses: A Health Promotion Approach                   | Journal of Education and Health Promotion                             | 2022 |
| 58 | Relationship between the Status of Occupational Health Management and Job Satisfaction among Farmers: A Health Promotion Approach                             | Journal of Education and Health Promotion                             | 2022 |
| 59 | Cancer and Noncancer Risk Assessment for Workers Exposed to the Chemical Pollutants in Ahvaz Gas Stations, Iran                                               | International Journal of Environmental Health Engineering             | 2022 |
| 60 | Investigating the Probability of Human Error in Iranian Industrial Control Rooms: A Systematic Review                                                         | International Journal of Occupational Hygiene                         | 2022 |

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| 61 | Applying the HEART Technique to Identify and Assess the Human Error in the Central Railway Traffic Control Room                                                                                              | Journal of Health & Safety at Work                   | 2022 |
| 62 | Psychological Effects of the Outbreak of COVID-19 on the Mental Health of Healthcare Workers in Iran                                                                                                         | Iranian Rehabilitation Journal                       | 2022 |
| 63 | Investigating the Relationship between Noise Exposure and the Level of Some Reproductive Hormones in Men Working in Power Plants                                                                             | Journal of Military Medicine                         | 2022 |
| 64 | The Effect of Mental Workload on Job Performance with the Mediating Role of Job Stress                                                                                                                       | Journal of Occupational Hygiene Engineering          | 2022 |
| 65 | A Systematic Review on the Climate and Ecosystem Change Associated with the COVID-19 Epidemic: Global Challenges                                                                                             | Avicenna Journal of Environmental Health Engineering | 2022 |
| 66 | Noise Control Measures Prioritization and Job Groups Identification Exposed to Hearing Impairments to Implement a Hearing Conservation Program in the Azar Oil Field                                         | Journal of Safety Promotion and Injury Prevention    | 2022 |
| 67 | The Prevalence of Musculoskeletal Disorders among Miners around the World: A Systematic Review and Meta-Analysis                                                                                             | Iranian Journal of Public Health                     | 2021 |
| 68 | Prioritizing and Providing Sound Pollution Control Strategies at the CPF of North Azadegan Oilfield Project                                                                                                  | Sound & Vibration                                    | 2021 |
| 69 | Investigation the Effect of Job Stress on Oxidative Stress in Nurses of Selected Hospitals in Sanandaj                                                                                                       | Journal of Military Medicine                         | 2021 |
| 70 | Relationship between the Prevalence of Musculoskeletal Disorders and Postural Status and Ergonomic Risk Factors in the Workplace                                                                             | Koomesh                                              | 2021 |
| 71 | Prevalence of Musculoskeletal Disorders and Occupational Stress among Workers of an Engineering Company in Iran during the COVID-19 Pandemic: A Cross-Sectional Study                                        | Journal of Occupational Health and Epidemiology      | 2021 |
| 72 | Relationship between Exposure to Extremely Low-Frequency (ELF) Magnetic Field and the Level of Some Reproductive Hormones among Power Plant Workers                                                          | Journal of Occupational Health                       | 2020 |
| 73 | Evaluation of the Effect of Heat Stress on Cognitive Performance and Physiological Parameters of the Students                                                                                                | Iran Occupational Health                             | 2020 |
| 74 | Risk Assessment of Musculoskeletal Disorders in Hospital Personnel due to Patient Transfer by DINO and PTAI in Selected Hospitals Affiliated to Shahid Beheshti University of Medical Sciences, Tehran, Iran | Journal of Military Medicine                         | 2020 |
| 75 | Biological Monitoring of the Oncology Healthcare Staff Exposed to Cyclophosphamide in Two Hospitals in Tehran                                                                                                | International Journal of Cancer Management           | 2019 |
| 76 | Evaluation of Occupational Exposure to Heat Stress and Physiological Responses of Workers in the Rolling Industry                                                                                            | The Open Public Health Journal                       | 2019 |
| 77 | Determining the Changes in Electromyography Indices when Measuring Maximum Acceptable Weight of Lift in Iranian Male Students                                                                                | Journal of Biomedical Physics and Engineering        | 2018 |
| 78 | Relationship between Lean Manufacturing and Ergonomics                                                                                                                                                       | Springer International Publishing (Book Chapter)     | 2018 |
| 79 | Changes in Back Compressive Force when Measuring Maximum Acceptable Weight of Lift in Iranian Male                                                                                                           | Iranian Journal of Public Health                     | 2016 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------|
|    | Students                                                                                                                                               |                      |      |
| 80 | Occupational Stress and Mental Health among Nurses in a Medical Intensive Care Unit of a General Hospital in Bandar Abbas in 2013                      | Electronic Physician | 2015 |
| 81 | Effects of Box Size, Frequency of Lifting, and Height of Lift on Maximum Acceptable Weight of Lift and Heart Rate for Iranian Male University Students | Electronic Physician | 2015 |

### Articles in Other Indexes

| No. | Article                                                                                                                                                                            | Journal                                                                            | Year |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------|
| 1   | A review of studies on the effects of occupational exposure to pesticides on infertility and sexual dysfunction in farmers in Iran and worldwide                                   | The Journal of Occupational Hygiene Engineering                                    | 2025 |
| 2   | Ergotoxicology as a Novel Approach to Reducing Chemical Exposure Risk in the Workplace                                                                                             | The Journal of Occupational Hygiene Engineering                                    | 2025 |
| 3   | Relationship between Demographic and Employment Parameters with Job Stress Among Employees of an Oil Field in Western Iran                                                         | Spektrum Industri                                                                  | 2023 |
| 4   | Investigation of Musculoskeletal Disorders Prevalence and the Correlation of Visual Analog Scale with McGill Pain Questionnaire in Dental Students of Tehran Universities          | Occupational Medicine                                                              | 2023 |
| 5   | Association of Safety Climate and Chronic Multidimensional Occupational Fatigue in Nurses of Shahrekord Hospitals                                                                  | Trends in Medical Sciences                                                         | 2021 |
| 6   | Evaluation of Compressive and Shear Forces Exerted on the Lower Back in Manual Load Handling Tasks in Young Workers of Selected Block Makers Using 3DSSPP                          | International Journal of Occupational Hygiene                                      | 2021 |
| 7   | Psychometrics of Questionnaires Designed for the Evaluation of Safety Levels and Safety Culture: Case Study of a Power Plant Generator Manufacturing Company                       | International Journal of Occupational Hygiene                                      | 2021 |
| 8   | Ergonomic Evaluation of Office Staff by Rapid Office Strain Assessment (ROSA) Method and Its Relationship with the Prevalence of Musculoskeletal Disorders                         | Journal of Health                                                                  | 2020 |
| 9   | Investigating the Causes of Nursing Errors and Its Reduction Countermeasures in Recent Studies: A Review                                                                           | Iranian Journal of Ergonomics                                                      | 2020 |
| 10  | Evaluation of Ergonomic Problems of MF285 Tractors                                                                                                                                 | Journal of Life Science and Biomedicine                                            | 2014 |
| 11  | Assessment of Cervical, Thoracic and Lumbar Spinal Curvatures and Their Relationship with the Prevalence of Back Musculoskeletal Disorders among Workers in an Automotive Industry | Scientific-Research Journal of the Faculty of Health and Health Research Institute | 2009 |
| 12  | Assessment of Musculoskeletal Disorder Risk in an Industrial Company Using QEC and NERPA Methods and Comparison of Their Results                                                   | Journal of Preventive Medicine                                                     | 2016 |
| 13  | Risk Assessment and Consequence Analysis of Fire and Explosion in a Vinyl Chloride Tank Using PHAST Software                                                                       | Journal of Safety Promotion and Injury Prevention                                  | 2020 |
| 14  | Evaluation of the Usability of a Web-Based Software and Its Correlation with Fatigue and Occupational Burnout among Administrative Staff                                           | Occupational Medicine                                                              | 2018 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|------|
|    | of a Health Center in Tehran                                                                                                                                               |                                                              |      |
| 15 | Assessment of Work Ability Index (WAI) and Its Relationship with Maximum Oxygen Uptake (VO <sub>2</sub> max) among Workers in a Cement Industry                            | Occupational Medicine                                        | 2020 |
| 16 | Prevalence of Musculoskeletal Disorders among Administrative and Service Staff of Selected Hospitals of Shahid Beheshti University of Medical Sciences and Related Factors | Health and Development Journal                               | 2020 |
| 17 | Assessment of the Prevalence of Musculoskeletal Disorders among Healthcare Workers of Selected Hospitals of Shahid Beheshti University of Medical Sciences in 2018         | Journal of Safety Promotion and Injury Prevention            | 2019 |
| 18 | A Review of Studies on Manual Material Handling Assessment Using Different Methods in Iran                                                                                 | Occupational Medicine                                        | 2021 |
| 19 | Ergonomic Evaluation of Postures of Date-Packing Workers Using the REBA Method                                                                                             | Agricultural Engineering (Scientific Journal of Agriculture) | 2014 |
| 20 | A Review of Models for Determining Manual Lifting Capacity                                                                                                                 | Ressam Extension Journal                                     | 2014 |
| 21 | The Effect of Mental Workload on Job Performance with the Mediating Role of Job Stress                                                                                     | Journal of Occupational Health Engineering                   | 2022 |

### Research Projects – Principal Investigator

| No. | Project Title                                                                                                                                                                                       | Role                   | Institution                                    |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------|
| 1   | Musculoskeletal disorders resulting from the weight, type and manner of carrying schoolbags among Iranian students: a systematic review and meta-analysis                                           | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 2   | Modeling the relationships among fatigue, occupational stress and workload with burnout among ICU nurses during hospital crisis management                                                          | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 3   | Association of type of residence with general health, sleep quality and quality of life among students of Shahid Beheshti University of Medical Sciences                                            | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 4   | Analysis of the mediating role of technostress and occupational fatigue in explaining the effect of virtual meetings on mental workload and quality of work life among faculty members              | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 5   | Application of simulation environments in training, design and ergonomic optimization of work environments: a systematic review                                                                     | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 6   | Structural modeling of the effect of mental workload on occupational resilience among nurses, mediated by musculoskeletal disorders and moderated by perceived organizational support during crises | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 7   | Competency models for health-system managers in crisis management and quality improvement of services: a systematic review                                                                          | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 8   | Systematic review of the consequences of shift work on physical health, mental health and cognitive performance of nurses in Iran                                                                   | Principal Investigator | Shahid Beheshti University of Medical Sciences |

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| 9  | Comparison and agreement of PTAI and DINO tools for assessing the risk of manual handling of older patients and its relationship with the prevalence of musculoskeletal disorders                           | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 10 | Relationship between office-chair satisfaction and neck/back pain and work ability among computer users in selected centers affiliated with Islamic Azad University of Yazd                                 | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 11 | Mediating effect of psychosocial factors of the shift-work environment on work ability and quality of life among security personnel of selected hospitals of Shahid Beheshti University of Medical Sciences | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 12 | Relationship between heat stress and selected physiological parameters and analysis of their role in decision-making power among students                                                                   | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 13 | Relationship between work shifts and prevalence of musculoskeletal disorders and mental fatigue among nurses in selected Khorramabad hospitals in 2025                                                      | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 14 | Stress, anxiety, burnout and musculoskeletal discomfort among dentists and the role of ergonomics in reducing them: a systematic review                                                                     | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 15 | Application of artificial intelligence in predicting and assessing ergonomic risk: a systematic review                                                                                                      | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 16 | Comparison of SWAT, NASA-TLX and Carmen-Q questionnaires for assessing mental workload among nurses in a public hospital affiliated with Shahid Beheshti University of Medical Sciences, Tehran, in 2025    | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 17 | Assessment of ergonomic conditions of workstations and musculoskeletal disorder risk among nurses working in selected hospitals affiliated with Shahid Beheshti University of Medical Sciences              | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 18 | Effect of mental workload and burnout on safety behavior among workers in an iron and steel industry: a case study in Yazd Province                                                                         | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 19 | Effect of learning the value of visual stimuli on situational awareness, workload and cognitive performance in a dual-task simulated using Unity software                                                   | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 20 | Assessment of musculoskeletal disorder risk using QEC, WERA and ART: a case study among Tehran urban-route drivers                                                                                          | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 21 | Effect of an educational intervention based on ergonomic principles on disability indices                                                                                                                   | Principal Investigator | Shahid Beheshti University of Medical          |

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|    | and neck and shoulder pain associated with smartphone use among students                                                                                                                                   |                        | Sciences                                       |
| 22 | Ability of the HEMPA tool to predict the prevalence of musculoskeletal disorders: a cross-sectional study among nurse aides and nurses                                                                     | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 23 | Agreement and correlation between ART and ERIN methods in assessing musculoskeletal disorders among dental students of Shahid Beheshti University of Medical Sciences                                      | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 24 | Effect of occupational stress and burnout on cognitive performance among firefighters in an oil field in western Iran in 2023                                                                              | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 25 | Determination of whole-body vibration exposure risk using ISO 2631-1 among Tehran taxi drivers in 2022                                                                                                     | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 26 | Assessment of safety culture and perception of warning signs of chemical hazards in selected hospitals affiliated with Shahid Beheshti University of Medical Sciences: a case study among cleaning workers | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 27 | Effect of different music tempi on mental workload and cognitive performance in a dual task using Unity software                                                                                           | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 28 | Assessment of occupational harmful-agent risk in North Azadegan Oil Field based on a risk-priority index                                                                                                   | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 29 | Prevalence of COVID-19 and its effect on mental health of armed forces: a systematic review                                                                                                                | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 30 | Prevalence of musculoskeletal disorders and occupational stress among employees of an office company during the COVID-19 pandemic in Iran: a cross-sectional study                                         | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 31 | Effect of sleep quality on the probability of human errors among employees of intercity railway central control rooms                                                                                      | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 32 | Effect of mental workload on job performance with the mediating role of occupational stress among shift workers of a power-generation plant                                                                | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 33 | Effect of educational interventions and exercise on cervical spine pain among dentists in clinics affiliated with medical universities in Tehran                                                           | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 34 | Effect of simultaneous exposure to noise and heat stress on muscle activity in men                                                                                                                         | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 35 | Prevalence of musculoskeletal disorders and contributing factors among miners: a systematic review and meta-analysis                                                                                       | Principal Investigator | Shahid Beheshti University of Medical Sciences |
| 36 | Association between exposure to extremely low-frequency magnetic fields (ELF) and selected reproductive hormones among men                                                                                 | Principal Investigator | Shahid Beheshti University of Medical Sciences |

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|    | working in selected power plants                                                                                                                                                                            |                        |                                                  |
| 37 | Effect of occupational stress on oxidative stress and job performance among nurses in a selected hospital in Sanandaj                                                                                       | Principal Investigator | Shahid Beheshti University of Medical Sciences   |
| 38 | Assessment of musculoskeletal disorders among employees of administrative and service centers affiliated with Shahid Beheshti University of Medical Sciences                                                | Principal Investigator | Shahid Beheshti University of Medical Sciences   |
| 39 | Effect of heat stress on functional, physiological and mental-workload parameters among students                                                                                                            | Principal Investigator | Shahid Beheshti University of Medical Sciences   |
| 40 | Assessment of musculoskeletal disorder risk and prevalence among administrative staff affiliated with Shahid Beheshti University of Medical Sciences using ROSA in 2017                                     | Principal Investigator | Shahid Beheshti University of Medical Sciences   |
| 41 | Assessment of musculoskeletal disorder risk among staff of hospitals and healthcare centers affiliated with Shahid Beheshti University of Medical Sciences                                                  | Principal Investigator | Shahid Beheshti University of Medical Sciences   |
| 42 | Assessment of musculoskeletal disorder risk due to patient handling in nursing occupations in selected hospitals affiliated with Shahid Beheshti University of Medical Sciences using DINO and PTAI         | Principal Investigator | Shahid Beheshti University of Medical Sciences   |
| 43 | Assessment of musculoskeletal disorder prevalence and manual material handling using MAC in a printing factory in Tehran and development of control recommendations and an educational intervention in 2017 | Principal Investigator | Shahid Beheshti University of Medical Sciences   |
| 44 | Assessment of musculoskeletal disorders and posture using RULA among hairdressers in Ahvaz                                                                                                                  | Principal Investigator | Ahvaz Jundishapur University of Medical Sciences |
| 45 | Validation of the Persian version of the Healthcare Worker Occupational Fatigue Scale (HWOFS)                                                                                                               | Principal Investigator | Shahid Beheshti University of Medical Sciences   |
| 46 | Multidimensional assessment of physical, environmental and psychosocial risk factors for musculoskeletal disorders with mediation by physical workload in the automotive industry: a cross-sectional study  | Principal Investigator | Shahid Beheshti University of Medical Sciences   |
| 47 | Prediction of turnover intention among nurses based on person–job misfit: mediating role of sequential burnout and job satisfaction and moderating role of supervisor support                               | Principal Investigator | Ahvaz Jundishapur University of Medical Sciences |
| 48 | Assessment and analysis of shift-work decision-making power based on neurophysiological parameters among selected nurses using a researcher-made instrument and the Iowa cognitive test                     | Collaborator           | Shahid Beheshti University of Medical Sciences   |
| 49 | Prevalence of musculoskeletal discomfort and its relationship with work ability and occupational fatigue in an auto-parts manufacturing company                                                             | Collaborator           | Shahid Beheshti University of Medical Sciences   |
| 50 | Assessment of heat stress and its effect on                                                                                                                                                                 | Collaborator           | Shahid Beheshti                                  |

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|    | physiological parameters among workers of a metal-melting company                                                                                                                                                                  |              | University of Medical Sciences                   |
| 51 | Systematic review of the effects of heat stress on bakery workers                                                                                                                                                                  | Collaborator | Shahid Beheshti University of Medical Sciences   |
| 52 | Application of a modified START triage method instead of ESI triage in mass-casualty incidents in hospital emergency departments                                                                                                   | Collaborator | Shahid Beheshti University of Medical Sciences   |
| 53 | Systematic review of studies assessing manual material handling using different methods in Iran from 2010 to 2020                                                                                                                  | Collaborator | Shahid Beheshti University of Medical Sciences   |
| 54 | Assessment of risk due to patient handling using the MAPO Index among healthcare workers at Imam Khomeini Hospital, Ahvaz, in 2010                                                                                                 | Collaborator | Ahvaz Jundishapur University of Medical Sciences |
| 55 | Systematic review of occupational pesticide exposure and infertility/sexual dysfunction among farmers                                                                                                                              | Collaborator | Ardabil University of Medical Sciences           |
| 56 | Assessment of anthropometric compatibility of dentists in Ardabil with workstation conditions and its relationship with musculoskeletal disorders and economic evaluation of ergonomic interventions                               | Collaborator | Ardabil University of Medical Sciences           |
| 57 | Development of a software model (testing and development) for driver drowsiness detection during simulated driving                                                                                                                 | Collaborator | Ardabil University of Medical Sciences           |
| 58 | Effect of simultaneous exposure to hexavalent chromium and selected harmful agents on workers' blood cortisol using principal component analysis                                                                                   | Collaborator | Shahid Beheshti University of Medical Sciences   |
| 59 | Assessment of driver drowsiness detection during simulated driving                                                                                                                                                                 | Collaborator | Guilan University of Medical Sciences            |
| 60 | Application of artificial intelligence in ergonomic product design: a systematic review                                                                                                                                            | Collaborator | Shahid Beheshti University of Medical Sciences   |
| 61 | Role of green ergonomics and eco-ergonomics in achieving zero waste: a systematic review                                                                                                                                           | Collaborator | Ardabil University of Medical Sciences           |
| 62 | Modeling the effect of general health on cognitive performance indices among firefighters in Ardabil in 2026                                                                                                                       | Collaborator | Ardabil University of Medical Sciences           |
| 63 | Assessment of anthropometric compatibility of dentists in Ardabil with workstation conditions, musculoskeletal disorders and economic effectiveness of ergonomic interventions                                                     | Collaborator | Ardabil University of Medical Sciences           |
| 64 | Assessment of quantitative characteristics of workplace ergonomics and their relationship with musculoskeletal disorders, quality of life and related factors among administrative staff of Ardabil University of Medical Sciences | Collaborator | Ardabil University of Medical Sciences           |
| 65 | Systematic review of occupational pesticide exposure and infertility/sexual dysfunction                                                                                                                                            | Collaborator | Ardabil University of Medical Sciences           |

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|    | among farmers                                                                                                                                                                                          |              |                                                |
| 66 | Occupational stress and its relationship with cardiovascular risk factors among administrative staff of hospitals of Ardabil University of Medical Sciences in 2024                                    | Collaborator | Ardabil University of Medical Sciences         |
| 67 | Prevalence of musculoskeletal disorders and related risk factors among Iranian military personnel: a systematic review and meta-analysis                                                               | Collaborator | Ardabil University of Medical Sciences         |
| 68 | Relationship between burnout, fatigue and workload using structural equation modeling among nurses of Ardabil University of Medical Sciences in 2024                                                   | Collaborator | Ardabil University of Medical Sciences         |
| 69 | Comparison of simulation-based and virtual education on learning quality and performance of emergency medical students in trauma management                                                            | Collaborator | Shahid Beheshti University of Medical Sciences |
| 70 | Relationship between exposure to noise and lighting with burnout and quality of life among workers in a ceramic industry                                                                               | Collaborator | Shahid Beheshti University of Medical Sciences |
| 71 | Occupational stress among nurses of Taleghani Hospital, Mashhad, and its relationship with burnout syndrome and general health in 2019–2020                                                            | Collaborator | Shahid Beheshti University of Medical Sciences |
| 72 | Effect of occupational stress on suicidal behaviors among female medical students living in Alzahra dormitory, Shahid Beheshti University of Medical Sciences, in 2019                                 | Collaborator | Shahid Beheshti University of Medical Sciences |
| 73 | Implementation and evaluation of the effect of voluntary virtual educational-assistance workshops on learning among students of the Faculty of Health, Ardabil University of Medical Sciences, in 2023 | Collaborator | Ardabil University of Medical Sciences         |
| 74 | Global climate change and its effect on Anopheles ecology: a systematic review                                                                                                                         | Collaborator | Ardabil University of Medical Sciences         |
| 75 | Risk perception of climate change and floods in rural areas of Ardabil based on GIS: a mixed-methods study                                                                                             | Collaborator | Ardabil University of Medical Sciences         |
| 76 | Relationship between schoolbag-carrying method and related musculoskeletal disorders among elementary-school students in Ardabil in 2022                                                               | Collaborator | Ardabil University of Medical Sciences         |
| 77 | Systematic review of triage implementation in disasters using artificial intelligence                                                                                                                  | Collaborator | Shahid Beheshti University of Medical Sciences |
| 78 | Incidence of lung cancer and cigarette smoking in Iran, Turkey, England and the United States                                                                                                          | Collaborator | Zabol University of Medical Sciences           |
| 79 | Development of a safety harness for work at height to increase comfort and usability and reduce mechanical pressure among construction workers                                                         | Collaborator | Shahid Beheshti University of Medical Sciences |
| 80 | Relationship between occupational health status and job satisfaction among farmers in                                                                                                                  | Collaborator | Zabol University of Medical Sciences           |

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|    | the Sistan region                                                                                                                                  |              |                                                   |
| 81 | Assessment of Iranian people's beliefs regarding coronavirus disease (COVID-19) in 2020                                                            | Collaborator | Ardabil University of Medical Sciences            |
| 82 | Psychological impact of the coronavirus disease (COVID-19) outbreak on healthcare workers in northeastern Iran: a case study in Torbat-e Heydarieh | Collaborator | Torbat-e Heydarieh University of Medical Sciences |
| 83 | Development of a database of applicable anthropometric dimensions for desk and chair design in the student population of Khuzestan Province        | Collaborator | Ahvaz Jundishapur University of Medical Sciences  |

## Books

| No. | Book Title                                                                                                      | Type                    | Publisher                                                         | Year |
|-----|-----------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------|------|
| 1   | Ergonomics Methods and Human Factors Thesis                                                                     | Authored and Compiled   | Fanavaran                                                         | 2013 |
| 2   | Occupational Ergonomics: Theory and Application                                                                 | Authored                | Shahid Beheshti University of Medical Sciences                    | 2020 |
| 3   | Neuroergonomics                                                                                                 | Translated and Compiled | Shahid Beheshti University of Medical Sciences                    | 2021 |
| 4   | Ergonomics for the Garment Industry                                                                             | Translated and Compiled | Shahid Beheshti University of Medical Sciences                    | 2022 |
| 5   | Specialized Occupational Ergonomics, Volume 1 (according to the approved Occupational Ergonomics curriculum)    | Authored                | Shahid Beheshti University of Medical Sciences                    | 2023 |
| 6   | Specialized Occupational Ergonomics, Volume 2 (according to the approved Occupational Ergonomics II curriculum) | Authored                | Shahid Beheshti University of Medical Sciences                    | 2023 |
| 7   | Cognitive Ergonomics                                                                                            | Authored                | Fanavaran                                                         | 2024 |
| 8   | Educational Guide Package for Creating a Safe Workplace During COVID-19                                         | Developed               | Occupational Health Research Center, Faculty of Health and Safety | 2020 |

## Conference Papers

| No. | Title                                                                                                                                                                                      | Presentation                  | Conference/Venue                                                                                                   |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------|
| 1   | Relationship Between Lean Manufacturing and Ergonomics                                                                                                                                     | Conference Paper              | International Conference on Applied Human Factors and Ergonomics (AHFE), 2017                                      |
| 2   | Changes in Electromyographic Indices during Determination of Maximum Acceptable Weight of Lift                                                                                             | Oral Presentation             | 10th National Conference on Occupational Health and Safety                                                         |
| 3   | Prevalence of Musculoskeletal Disorders and Contributing Factors among Miners                                                                                                              | Poster                        | 3rd International Iranian Ergonomics Conference (Webinar) and 4th Biennial Iranian Ergonomics Conference (Webinar) |
| 4   | Assessment of Risk of Musculoskeletal Disorders due to Patient Handling Using DINO                                                                                                         | Poster                        | 11th National Conference on Occupational Health and Safety                                                         |
| 5   | Assessment of Risk of Musculoskeletal Disorders due to Patient Handling Using PTAI                                                                                                         | Poster                        | 11th National Conference on Occupational Health and Safety                                                         |
| 6   | Assessment of Manual Material Handling Using MAC in a Tehran Printing Factory and Educational Intervention in 2017                                                                         | Poster                        | 3rd Biennial Iranian Ergonomics Conference                                                                         |
| 7   | Assessment of Traffic Noise Pollution and Its Problems                                                                                                                                     | Poster                        | 11th New Advances in Health Sciences Conference                                                                    |
| 8   | Systematic Review of Maximum Aerobic Capacity in Iran                                                                                                                                      | Poster                        | 11th New Advances in Health Sciences Conference                                                                    |
| 9   | Assessment of Ergonomic Problems of the MF285 Ferguson Tractor                                                                                                                             | Poster                        | 2nd National Conference on Sustainable Agriculture and Natural Resources, 2014                                     |
| 10  | Assessment of Musculoskeletal Disorders among MF285 Ferguson Tractor Drivers                                                                                                               | Poster                        | 2nd National Conference on Sustainable Agriculture and Natural Resources, 2014                                     |
| 11  | Prevalence of Musculoskeletal Disorders among Tehran Urban Bus Drivers Using RULA and Agreement with the Body Map Questionnaire                                                            | Oral Presentation (3rd place) | 5th National Conference of Occupational Health Students, Isfahan, June 2004                                        |
| 12  | Prevalence of Musculoskeletal Disorders among Tehran Urban Bus Drivers Using RULA and Agreement with the Body Map Questionnaire                                                            | Poster                        | National Conference on Occupational Health, Hamadan, Autumn 2005                                                   |
| 13  | Assessment of Cervical, Thoracic and Lumbar Spinal Curvatures and Their Relationship with the Prevalence of Back Musculoskeletal Disorders among Workers in an Automotive Industry in 2008 | Oral Presentation (1st place) | 1st National Conference on Safety, Health and Environment, Tehran, Dec 2008                                        |

## Conference Participation

| No. | Participation                  | Program                                                                                        | Venue/Date                   |
|-----|--------------------------------|------------------------------------------------------------------------------------------------|------------------------------|
| 1   | Member of Scientific Committee | 10th National Conference on Occupational Health and Safety                                     | Gilan, May 2017              |
| 2   | Member of Scientific Committee | 3rd International Iranian Ergonomics Conference and 4th Biennial Iranian Ergonomics Conference | Shiraz (Webinar), March 2021 |

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| 3  | Member of Scientific Committee | 1st International Conference on Occupational Safety and Health in Hospitals and Healthcare Centers | Shiraz (Webinar), May–June 2021                                                        |
| 4  | Oral Presentation              | One-day Continuing Medical Education Program in Occupational Medicine for General Practitioners    | Ahvaz University of Medical Sciences, Nov 2008                                         |
| 5  | Oral Presentation              | Workshop on Assessment of Working Postures for Health-Center Experts                               | Khuzestan Province, Dec 2009                                                           |
| 6  | Oral Presentation              | Conference on Work-Related Musculoskeletal Diseases for Health-Center Experts                      | Khuzestan Province, Feb 2011                                                           |
| 7  | Oral Presentation              | 1st Structural, Regional Steel and Safety Conference                                               | Shahrekord University, June 2018                                                       |
| 8  | Attendee                       | Conference on Noise Pollution in Tehran and Other Metropolises                                     | Tehran University of Medical Sciences, Nov 2006                                        |
| 9  | Attendee                       | Conference on Occupational Health and Safety                                                       | Tehran University of Medical Sciences, May 2009                                        |
| 10 | Attendee                       | 3rd Biennial Iranian Ergonomics Conference                                                         | Tehran University of Medical Sciences, Tehran, Oct 2018                                |
| 11 | Attendee                       | 11th New Advances in Health Sciences Conference                                                    | Shahid Beheshti University of Medical Sciences, Tehran, May 2018                       |
| 12 | Attendee                       | 10th National Conference on Occupational Health and Safety                                         | Gilan, May 2017                                                                        |
| 13 | Attendee                       | 3rd International Iranian Ergonomics Conference and 4th Biennial Iranian Ergonomics Conference     | Shiraz (Webinar), March 2021                                                           |
| 14 | Attendee                       | 11th National Conference on Occupational Health and Safety                                         | Tehran University of Medical Sciences, Tehran, Feb 2020                                |
| 15 | Attendee                       | Health and Workplace Promotion Webinar Conference                                                  | Faculty of Health and Safety, Shahid Beheshti University of Medical Sciences, Feb 2021 |
| 16 | Attendee                       | Health and Safety in High-Traffic Structures Conference                                            | Faculty of Health and Safety, Shahid Beheshti University of Medical Sciences, Feb 2021 |
| 17 | Attendee                       | 1st International Conference on Occupational Safety and Health in Hospitals and Healthcare Centers | Shiraz (Webinar), May–June 2021                                                        |

## Theses Supervised or Advised

| No. | Role       | Thesis Title                                                                                                                                                                            | Degree/Field                                      |
|-----|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| 1   | Supervisor | Assessment and analysis of shift-work decision-making power using a researcher-made instrument and the IOWA cognitive test based on neurophysiological parameters among selected nurses | Ph.D., Occupational Health and Safety Engineering |
| 2   | Advisor    | Development of a safety harness for work at height to increase comfort and usability and reduce mechanical pressure among construction workers                                          | Ph.D., Occupational Health and Safety Engineering |
| 3   | Supervisor | Relationship between Work Ability Index and burnout with aerobic capacity (VO <sub>2</sub> max) among workers in a cement manufacturing plant                                           | M.Sc., Occupational Health and Safety Engineering |
| 4   | Supervisor | Effect of heat stress on functional and physiological parameters and mental workload among students                                                                                     | M.Sc., Occupational Health and Safety Engineering |
| 5   | Supervisor | Effect of occupational stress on oxidative stress and job performance among nurses in a selected hospital in Sanandaj                                                                   | M.Sc., Ergonomics                                 |
| 6   | Supervisor | Relationship between exposure to extremely low-frequency (ELF) magnetic fields and selected reproductive hormones among men working in a selected power plant                           | M.Sc., Occupational Health and Safety Engineering |
| 7   | Supervisor | Effect of simultaneous exposure to noise and heat stress on muscle activity in men                                                                                                      | M.Sc., Occupational Health and Safety Engineering |
| 8   | Supervisor | Effect of music tempo on mental workload and cognitive performance in a dual task using Unity software                                                                                  | M.Sc., Occupational Health and Safety Engineering |
| 9   | Supervisor | Effect of an educational intervention based on ergonomic principles on disability indices and neck and shoulder pain associated with smartphone use among students                      | M.Sc., Occupational Health and Safety Engineering |
| 10  | Supervisor | Effect of learning the value of visual stimuli on situational awareness, workload and cognitive performance in a dual-task simulated using Unity software                               | M.Sc., Occupational Health and Safety Engineering |
| 11  | Supervisor | Effect of sleep quality on the probability of human errors among employees of intercity railway control rooms                                                                           | M.Sc., Occupational Health and Safety Engineering |
| 12  | Supervisor | Relationship between office-chair satisfaction and neck/back pain and work ability among computer users in selected centers affiliated with Islamic Azad University of Yazd             | MPH                                               |
| 13  | Supervisor | Effect of work shifts on prevalence of musculoskeletal disorders and mental fatigue among nurses in selected Khorramabad hospitals in 2025                                              | MPH                                               |
| 14  | Supervisor | Effect of mental workload and burnout on safety behavior among workers in an iron and steel industry: a case study in Yazd Province                                                     | MPH                                               |
| 15  | Supervisor | Prevalence of musculoskeletal disorders and relationship between neck-pain severity and Work Ability Index among dental students in Tehran in 2020                                      | MPH                                               |

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| 16 | Advisor | Prevalence of musculoskeletal disorders and correlation of visual analogue pain scale with dimensions of the McGill Pain Questionnaire among dental students in Tehran in 2020 | MPH                                               |
| 17 | Advisor | Application of machine-learning algorithms in assessment of neck, trunk and leg postures: a case study in a textile industry in Isfahan Province                               | M.Sc., HSE Management                             |
| 18 | Advisor | Relationship between safety level and safety climate in a power-generator manufacturing company                                                                                | M.Sc., Occupational Health and Safety Engineering |
| 19 | Advisor | Ergonomic assessment of date-packing workers using the PATH method in 2010                                                                                                     | M.Sc., Agricultural Engineering                   |

### Other Professional and Academic Activities

- 1. Reviewer for manuscripts in the Journal of Military Medicine (Scopus), Baqiyatallah University of Medical Sciences, since 2018.
- 2. Reviewer for manuscripts in the Occupational Medicine Quarterly, Shahid Sadoughi University of Medical Sciences, Yazd, since 2020.
- 3. Reviewer for manuscripts in the Journal of Safety Promotion and Injury Prevention, Shahid Beheshti University of Medical Sciences, since 2017.
- 4. Reviewer for manuscripts in the International Journal of Occupational Hygiene (IJOH), Tehran University of Medical Sciences, since 2019.
- 5. Reviewer for manuscripts in the Health in the Field Quarterly, Faculty of Health and Safety, Shahid Beheshti University of Medical Sciences, since 2017.
- 6. Reviewer for manuscripts in the Scientific-Research Journal of the Faculty of Health, Ahvaz Jundishapur University of Medical Sciences, since 2013.
- 7. Thesis reviewer for Occupational Health Engineering (M.Sc. and Ph.D.), Ergonomics and Industrial Safety Engineering (M.Sc.) at the Faculty of Health and Safety, Shahid Beheshti University of Medical Sciences.
- 8. Supervisor of student projects at the Faculty of Health, Ahvaz Jundishapur University of Medical Sciences.
- 9. Instructor of occupational safety and industrial hygiene courses at Payesh System Mehr Company (2005–2010).
- 10. HSE expert at Imen Kia Sanat Company (2005–2008).
- 11. Expert in measurement of workplace harmful agents at Kavian Sanat Gharb and Dena Teb Tehran companies (2005–2006).
- 12. Occupational health consultant at Zarpood Saveh Textile Company (2005).
- 13. Occupational health consultant at Beh Sabz Damavand Company (2006).
- 14. Occupational health consultant at Avam Sanat Company (2007).
- 15. Occupational health consultant at Anten Hani Company (2007).

### Completed Training Workshops and Certificates

- 1. Reference Manager – Research Deputy, Faculty of Health, Ahvaz University of Medical Sciences.
- 2. Participation in an educational seminar for university academic advisors – Center for Studies and Development of Education, Ahvaz University of Medical Sciences.
- 3. Participation in a lesson-plan development workshop – Center for Studies and Development of Education, Ahvaz University of Medical Sciences.
- 4. Participation in an English scientific-paper writing workshop – Center for Studies and Development of Education, Ahvaz University of Medical Sciences (2007).

- 5. Participation in a Problem-Based Learning (PBL) workshop – Center for Studies and Development of Education, Ahvaz University of Medical Sciences.
- 6. Participation in a Persian scientific-paper writing workshop – Center for Studies and Development of Education, Ahvaz University of Medical Sciences.
- 7. Participation in a student assessment educational seminar – Center for Studies and Development of Education, Ahvaz University of Medical Sciences.
- 8. Participation in a workshop on selecting an appropriate journal – Research and Technology Deputy, Ahvaz Jundishapur University of Medical Sciences (Webinar).
- 9. Participation in a workshop on publication ethics – Research Deputy, Faculty of Health and Safety, Shahid Beheshti University of Medical Sciences.
- 10. Participation in a workshop on sharing research data using Mendeley Data – Research and Technology Deputy, Birjand University of Medical Sciences (Webinar).
- 11. Participation in a workshop on proposal writing and implementation – Research and Technology Deputy, Shahid Beheshti University of Medical Sciences (Webinar).
- 12. Participation in a workshop on Camtasia software – Educational Development Office, Faculty of Health and Safety, Shahid Beheshti University of Medical Sciences.
- 13. Participation in a workshop on learner assessment – Educational Development Office, Faculty of Health and Safety, Shahid Beheshti University of Medical Sciences.
- 14. Postgraduate electronic teaching training program aimed at empowering faculty members of universities of medical sciences in Iran.
- 15. OHSAS 18000 – TUV.
- 16. HSE-MS – TUV.
- 17. Workplace noise measurement – IMQ.
- 18. Workplace lighting measurement – IMQ.
- 19. Hearing protection, emergency response and workplace ergonomic assessment – Saveh Health Center.