

Resume

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Date of Birth: 2/12/1984

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Education

	Field of Study	area of interest	Grade	University
1	Occupational Health	---	B.SC	Hamedan University of Medical Sciences
2	Occupational Health	Ventilation - Numerical simulation	M.SC	Tehran University of Medical Sciences
3	Occupational Health	Safety- Numerical simulation	Phd	Shahid Beheshti University of Medical Sciences

Thesis titles

Advisor professor	Grade	thesis title
Dr. Farideh Golbabai / Dr. Mostafa Hosseini, Dr. Hamid Shirkhanlou	M.SC	Providing the model of the air flow entering the gas turbine using FLUENT software
Dr. Mohammad Javad Jafari / Dr. Mustafa Pouyakian, Dr. Ghalireza Khantimori	Phd	Dynamic prediction of fire risk caused by chemical storage using simulation and Bayesian networks in a refinery complex

Articles in National and international congresses

	Conference type	year	Era of interest	type	Issue
1	International Conference on Safety and Reliability	2020	Fire safety	lecture	Reliability estimation of fire alarm systems using fuzzy and DBN
2	National conference on ventilation and industrial hygiene	2014	Ventilation	lecture	Evaluation of the air quality entering the gas turbine in a power plant
3	National conference of inspection, safety, control and quality in warehouses	2016	safety	lecture	Safety in warehouses
4	National conference on ventilation and industrial hygiene	2014	Risk Assessment	poster	Health risk assessment of harmful chemical agents in a refinery
5	Occupational health conference	2020	safety	poster	Numerical fire simulation combined with fuzzy logic for domino effect analysis
6	International conference of health innovations	2021	safety	lecture	Analysis of domino effects caused by pool fire with fuzzy Bayesian networks, probit equations and L NOR dose

Articles in national and international journals

	Title	Name of journal / booklet	Scientific research rank	year
1	Evaluation of air quality entering gas turbines in a power plant	Occupational health and safety	Scientific research	2013
2	Relationship between Shift work and Job Satisfaction among Nurse: a Cross – Sectional Study	IJHR	Scientific research	2014
3	Sleepiness and Changes in Vital Signs among the Clinical Shift Worker Staff at Imam Khomeini Hospital of Ilam	IJHR	Scientific research	2014
4	Survey about Sleepiness and Adaptation to Night-Shift Worker in Metallurgy Industry	IRJABS	ICI	2015
5	Occupational exposure risk assessment of engineered nanomaterials by CB nano tool in a nano research laboratory	TJERS	ICI	2015
6	Investigating the Causes of the Incidents and Monitoring the Safety System before and after the Implementation of OHSAS 18001 in a Combined Cycle Power Plant	AOH	ISC	2018
7	Health risk Assessment of exposure to harmful chemical agents in a refinery	AOH	ISC	2019
8	Risk calculation and consequences simulation of natural gas leakage accident using ALOHA software	JHSW	ISI	2019
9	Reliability evaluation of fire alarm systems using dynamic Bayesian networks and fuzzy fault tree analysis	JLP	ISI	2020
10	Development of a framework for dynamic risk assessment of environmental impacts in chemicals warehouse using CFD-BN	IJEST	ISI	2021

11	Risk Analysis and Reliability Assessment of Overhead Cranes Using Fault Tree Analysis Integrated with Markov Chain and Fuzzy Bayesian Networks	MPE	ISI	2021
12	Development of a Framework for Dynamic Risk Assessment of Chemicals Warehouse Pool Fire Using Bayesian Network and Computational Fluid Dynamics (CFD)	Heliyon	ISI	2022
13	Modeling importance factors on occupational accident severity in construction industry using a combination of artificial neural network and genetic algorithms	Work	ISI	
14	Reliability Estimation of Low-Voltage Power Distribution Systems	MPE	ISI	2022
15	Modeling of Pool Fire Risk in a Chemical Warehouses	AOH	ISC	2022

Membership and cooperation in the editorial board of journals

	<u>Journals name</u>	Name of head of journal	Membership year	Type of cooperation
<u>1</u>	<u>Iran occupational health</u>	Ali Asghar Farshad	1398	referee
<u>2</u>	Reliability engineering and system safety	Min xie	2020	referee
<u>3</u>	Shock and vibration	Huu-Tai Thai	2020	referee
<u>4</u>	IJOH	Adel Mazloomi	2020	referee
<u>5</u>	WORK	Karen Jacobs	2021	referee
<u>6</u>	International Journal of Environmental Science and Technology	Majid Abbaspour	2021	referee
<u>7</u>	Mathematical Problems in Engineering	Jerlie Laguras	2020	referee
<u>8</u>	Conference of new health	•		Member of the

	sciences			scientific committee
<u>9</u>	Conference of new health sciences	•		referee
<u>10</u>	Conference of new health sciences	•		referee
<u>11</u>	The 11th occupational health and safety conference	•	1398	referee

Research project

	project title	Place of execution	Year	Type of cooperation
1	Dynamic risk assessment of overhead cranes using FBN	Larestan university of Medical Sciences	2021	Scientific Co-Worker
2	Dynamic risk assessment of hydrogen unit using FBN and risk barometric drawing based on performance indicators	Larestan university of Medical Sciences	2022	Scientific Co-Worker
3	Dynamic risk assessment of fuel stations using FBN and assessment of control barriers	Bam university of Medical Sciences	2022	Scientific Co-Worker

Books

	The title of the book	publisher	Names of colleagues
1	Outcome modeling using PHAST and ALOHA software	Fan Arwan	Names of colleagues

Second Language

The name of the second language	Level of language skills	language certificate
English	advanced	*

Receiving awards from scientific festivals and Olympiads

	Title	authority
1	Professor worthy of praise	Ivanki University
2	Top researcher	Ivanki University

Experiences

	Name of past and present workplace	organization unit	period
1	Tehran Refinery	HSE	2010-2013
2	Ivanki Non-Profit University	Technical College	2011-2016
3	Tehran Azad University of Medical Sciences	Faculty of Health	2016-2018
4	Malik Ashtar University of Technology	Faculty of Chemistry	2016-2021
5	Shahid Beheshti University of Medical Sciences	Faculty of Health	2019
6	Shahin Plastic Manufacturing Company	HSE	2019-2020
7	Alloy steel company	HSE	2018-2020
8	Pama shoe company	HSE	2009-2020
9	Arman mohit pak Iranians	Occupational health	2015-2017
10	Setak Biscuit Company	HSE	2020

Industrial projects

- 1- Modeling the consequences of the tanks of Jahan Fould Sirjan oxygen unit with PHAST software
- 2- Modeling the consequences of ammonia tanks of Nobur Sabz cold storage complex with PHAST software
- 3- Modeling the consequences of diesel fuel stations in Bam city with PHAST software
- 4- Consequence modeling and quantitative risk assessment of the tank farm unit of Sirjan power plant with PHAST software
- 5- Modeling and quantitative risk assessment of 4 project titles in sensitive industries
- 6- Risk assessment by HAZOP method - sensitive industries
- 7- Risk assessment by JSA method of Tehran Refinery
- 8- Risk assessment by JSA / JHA method in petrochemical acid production unit
- 9- Immunization, coding, and quantitative risk assessment of chemicals in Shahin plastic industries

Educational activities in the industry

- ✓ Instructor of the OHSAS course at Kermanshah University of Medical Sciences
- ✓ Instructor of risk management course in South Pars Complex Asalouye
- ✓ Instructor of HSE-MS course in Rahbaran Petrochemical Company
- ✓ Instructor of HSE – MS course, QAL England company
- ✓ HSE-MS upgrade and implementation plan in Aria Nasr Ray company
- ✓ SHEQ audit plan in Tehran refinery
- ✓ Risk assessment by JSA method in Tehran's Shahid Tendgovian Refinery

- ✓ Risk assessment by what-if method in the goods procurement unit of Shahid Tandgovian Refinery in Tehran
- ✓ Risk assessment by JSA method of sensitive industries
- ✓ Risk assessment by HAZOP method of sensitive industries
- ✓ Lecturer of H2S courses at Shahid Tandgovian Refinery in Tehran
- ✓ Lecturer of MSDS courses in Tehran Refinery
- ✓ Secretary of Risk Assessment Committee of Tehran Refinery Commercial Unit
- ✓ Member of the Change Management Committee of Tehran Refinery Commercial Unit
- ✓ Lale Petrochemical ergonomics course instructor
- ✓ Instructor of human factors engineering courses in Asalouye
- ✓ Instructor of occupational diseases course in Mazandaran Cement
- ✓ Instructor of the safety course of cement pressure tanks in Mazandaran
- ✓ Instructor of cement crane safety course in Mazandaran
- ✓ Instructor of Mazandaran cement job accident analysis course
- ✓ Instructor of the HSE course of cement contractors in Mazandaran
- ✓ Instructor of cement ergonomics courses in Tehran
- ✓ Instructor of Tehran cement accident analysis courses
- ✓ Instructor of electrical safety course of Shahid Rostgar industries

- ✓ Instructor of the course on doing things with an environmental approach of Shahid Rostgar Industries
- ✓ Instructor of Shahid Rostgar Industrial Machinery Safety Course
- ✓ Instructor of scaffolding safety course of Behbahan Cement Company
- ✓ Instructor of Shahid Namjoo industries safety course under pressure
- ✓ Shahid Moghadam industries incident analysis Instructor
- ✓ Instructor of the course on the principles of using PPE at Shahid Moghadam Industries
- ✓ Instructor on the analysis of steel accidents
- ✓ Instructor of the permit course of Khark Island Oil Terminals Company
- ✓ Instructor of the course on ways to prevent sea oil pollution, Khark Island Oil Terminals Company
- ✓ Teacher of defensive driving courses of Gharb Oil and Gas Company
- ✓ Instructor of the safety course of cylinders under pressure in Tehran Refinery
- ✓ Instructor of the Musculoskeletal Disorders course in Palashkah, Tehran
- ✓ Safety training instructor at Pishgaman Sanat Company
- ✓ Cooperation in the implementation of CAP Protokol in Tehran Refinery
- ✓ Instructor of the safety course in pressure tanks and systems of South Pars gas complex
- ✓ Instructor of safety and health course in the laboratory of Rahbaran Petrochemical Company
- ✓ Instructor of the duties of supervisors of marine industries
- ✓ Instructor of the course of familiarization with technical protection committees of marine industries
- ✓ Instructor of the marine industry incident management course
- ✓ Instructor of the marine industry storage safety course
- ✓ Instructor of safety course in welding and cutting marine industries
- ✓ Instructor of the course of permits to carry out work (PTW) in marine industries
- ✓ Marine industry accident analysis Instructor
- ✓ Safety lecturer of pressurized systems of Mapna company
- ✓ Safety instructor in welding and cutting of Mapna company
- ✓ Instructor of process safety course of Fajr Kaz Refining Company
- ✓ Instructor of the safety course of working at heights of Fajr Jam Refining Company
- ✓ Instructor of the HSE course for contractors of Bafaq iron and steel company
- ✓ Instructor of the accident prevention course of Bafaq Iron and Steel Company