

Curriculum Vitae

Dr. Noradin Gharari

Assistant Professor in Occupational Health and Safety Engineering



School of Public Health, Ardabil University of Medical Sciences,
Ardabil, Iran



+98 45 33513775 Ext: 227



noradingharari@gmail.com

Education background

Degree	Major	Tendency	University	Title of Dissertation
Ph.D.	Occupational Health	Mass and Heat Transfer Modeling	Shahid Beheshti University of Medical Sciences	Development of a model to predict the effect of individual and environmental parameter on the concentration of gaseous pollutant in the vicinity of a human body (CFD)
M.Sc.	Occupational Health	Risk Assessment and Ventilation Design	Shahid Beheshti University of Medical Sciences	Risk assessment in tunneling with TBM using FMEA method and temporary ventilation design
B.Sc.	Occupational Health	-	Shiraz University of Medical Sciences	-

Research Interests

Interests

Physical agents of the work environment (heat, cold and moisture, noise and vibration)
Design and evaluation and of industrial ventilation and air conditioning systems
Modeling and simulation of air conditioning and industrial ventilation systems
Modeling and simulation of exposure to pollutants

— Employment experience

Year	Rank	Department	College	University
2018-2022	Assistant Professor	Occupational Health and safety Engineering	and School of Public Health and Safety	Shahid Beheshti University of Medical Sciences
2009-2012	Instructor	Occupational Health and safety Engineering	School of Public Health	Ardabil University of Medical Sciences

— Teaching experience

Course	Degree	University
Control of Heat, Cold, and Humidity	Ph.D.	Shahid Beheshti University of Medical Sciences
Introduction to Air Pollution Emission Models	Ph.D.	Shahid Beheshti University of Medical Sciences
Design of Heat, Cold, and Humidity Control System	M.Sc.	Shahid Beheshti University of Medical Sciences
Design of Noise and Vibration Control System	M.Sc.	Shahid Beheshti University of Medical Sciences
Modeling in Occupational Health	M.Sc.	Shahid Beheshti University of Medical Sciences
Geographical information system (GIS)	M.Sc.	Shahid Beheshti University of Medical Sciences
Fluid Mechanics	B.Sc.	Shahid Beheshti University of Medical Sciences
Industrial Ventilation	B.Sc.	Shahid Beheshti University of Medical Sciences
Heat and Cold Stress at Workplace	B.Sc.	Shahid Beheshti University of Medical Sciences
Gases and Aerosols Dynamics	B.Sc.	Shahid Beheshti University of Medical Sciences
Introduction to air pollution control methods	B.Sc.	Ardabil University of Medical Sciences
Ventilation in firefighting operations	B.Sc.	University of Applied Science and Technology

Publication (Book)

Title	Publication	Year	Language	Status
Mathematical models for estimating occupational exposure to chemicals	Shahid Beheshti University of Medical Sciences	2020	Persian	Printed
Industrial ventilation (ACGIH) 30 th Edition, Volume 1	Shahid Beheshti University of Medical Sciences	2020	Persian	Printed
Industrial ventilation (ACGIH) 30 th Edition, Volume 2	Shahid Beheshti University of Medical Sciences	2020	Persian	Printed
Glossary of ventilation and CFD terms	Shahid Beheshti University of Medical Sciences	2021	Persian	Printed
Indoor air quality assessment	Shahid Beheshti University of Medical Sciences	2022	Persian	Printed

Publication (Article)

Title	Journal	Year
Systematic survey of changes in oxidative stress parameters in terms of simultaneous exposure to physical and chemical factors	Iranian Journal of Public Health	2022
Occupational Exposure to Physical and Chemical Factors: A Systematic Review of Reproductive Pathophysiological Effects in Women and Men	Safety and Health at Work	2022
Investigating the prevalence of COVID-19 and its impact on the mental health of the armed forces: A systematic review	Journal of Military Medicine	2022
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
Effects of co- exposure to heat and psychological stresses on serum levels of testosterone in male rats	Koomesh	2021

Study of the Prevalence of COVID-19 Disease and Related Risk Factors in Two Groups of Industries with and without Occupational Health Management Systems	Journal of Health and Safety at Work	2021
Investigating the Effects of Noise on Cardiovascular Diseases: A Systematic Review and Meta-Analysis	Environmental science and pollution research	2021
Development of a scale for assessing the organizations safety performance based fuzzy ANP	Journal of loss prevention in the process industries	2020
Impacts of exhalation flow on microenvironment around the human body under different room temperature	Heat and Mass Transfer	2018
Passive Air Sampling survey of Polybrominated Biphenyl Ether in Private Cars: Implication For Sources and Human Exposure	Journal of Environment Health Science & Engineering	2010
Reliability of a Tunnel Boring Machine	International Journal of Occupational Hygiene	2009
Appropriate Ventilation System for Control of Methane in Tunnels during Construction (A Case Study: Alborz Tunnel)	Journal of Health	2012
Risk Management and the Effectiveness of the Control Measures in Safety of Rolling Stock of Alborz Tunnel	Journal of Health	2012
Evaluation of Corrosion and Precipitation Potential in Ardebil Drinking Water Distribution System by Using Langelier & Ryznar Indexes	Journal of Health	2010
Use of CFD to investigate the effect of air temperature on the microenvironment around the human body	10th National Congress of Occupational Health & Safety	2017
Introducing a new method of analysis that can be used in the country for quartz aerosols using FTIR spectroscopy	9th National Congress of Occupational Health & Safety	2015
The Risk Assessment of a TBM Using Failure Mode and Effects Method	8th Iranian Tunnelling Conference	2009
Investigating the effects of environmental and occupational noise on cardiovascular diseases: a systematic review and meta-analysis	9th National Congress On air and noise pollution management	2022

Thesis/dissertation

Title	Degree	Role	University	Year	Status
-------	--------	------	------------	------	--------

Survey of histopathological, enzymatic and oxidative stress parameters changes concomitant exposure to cadmium and noise in the liver tissues of adult male rats	M.Sc. Supervisor	2022 Running	Shahid Beheshti University of Medical Science		
Study of oxidative stress parameters and histopathological changes caused by concomitant exposure to toluene and loud noise level in the lung tissues of adult male rats.	M.Sc. Supervisor		Shahid Beheshti University of Medical Sciences	2021	Running
The effect of combined exposure to heat and psychological stresses on the serum levels of testosterone and corticosterone hormones in male rats	M.Sc. Advisor		Shahid Beheshti University of Medical Sciences	2020	Finished
Analysis of the consequences of fire and explosion in Kermanshah refinery with a look at the safe location of monorail station (case study)	M.Sc. Advisor		Shahid Beheshti University of Medical Sciences	2020	Finished
Fire safety assessment in Tehran Tohid tunnel using Consolidated fire and smoke transport model software (CFAST)	M.Sc. Advisor		Shahid Beheshti University of Medical Sciences	2022	Finished
The effect of simultaneous exposure to noise and heat stress on human hand-arm muscle activity	M.Sc. Advisor		Shahid Beheshti University of Medical Sciences	2021	Finished

Effectiveness of fire safety promotion strategies in a hospital complex	M.Sc.	Advisor	Shahid Beheshti University of Medical Sciences	2020	Finished
---	-------	---------	--	------	----------

Awards and Honors

Prominent PhD graduates from Shahid Beheshti University of Medical Sciences 2014-2015

Skills

Others

Design, evaluation, consulting and training in the field of industrial ventilation systems
Research in the field of industrial ventilation, air conditioning and safety using Computational Fluid Dynamics (CFD)

Safety training in the field of pollutant diffusion modeling and fire safety
The Consolidated Model of Fire and Smoke Transport (CFAST) Software
Process Hazard Analysis Software Tool (PHASt)
Real Locations of Hazardous Atmospheres (ALOHA) Software
AutoCAD Software
GIS Software
Fluent Software
GAMBIT Software
Tec Plot 360 Software
Carrier Software
