

IN THE NAME OF GOD

Curriculum Vita(last edition summer 1399)



Forename: Rasoul
Last name: yarahmadi
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Date of Birth: 22th DEC 1971
Place of Birth: Khorramabad, Iran

Education:

2018-2019	Master of Business Administration (MBA)	UT, Tehran, IRAN
2003-2008	PhD occupational health	Tarbiat Modares University, Tehran, IRAN.
1998-2001.	M.Sc. occupational health	tarbiat modares university, Tehran IRAN
1996-1998	B.Sc. occupational health	Iran university of Medical sciences Tehran, IRAN.
1992-1994.	Associate Degree in occupational health	Hamadan university of Medical sciences: Hammedan.IRAN
1987-1991	High school Diploma	Khorramabad, IRAN

Brief history of activities:

Rasoul Yarahmadi is a Professor of occupational health Science and Engineering at Iran university of medical sciences. Previously, he has been with some ministries as Defense, oil and industrial and mining. He obtained his PhD in air pollution control science from TMU, Iran. He is broadly interested in air pollution control and modeling science, and his research so far has

mainly focused on the new technology for air pollution treatment science, Nano technology investigation and optimization conditions in new redesign reactors. **In recent years, I have been the advisor, or executive director:** Iran’s Defense ministry-SASAD (HSE Technical and certified experts 1997-2004),Iran’s Oil ministry –NPC (HSE Advisor and certified experts),Iran’s Oil ministry –PSEEZ (Head of Health, Safety and Environment.MS 2004-2007),Tarbiat Modaress University (HSE Advisor and certified experts 2006-2008),Register three patents for new method of air pollution control (Plasma-chemical),Ministry of industry, mining and trade (General Manager of HSEE),Occupational health research center (Deputy),Air pollution research center (head 2017 up to now),,Knowledge Based Company Pars Plasma Bonyan (Founder and CEO 2017-up to now),Iran university medical of sciences, school of public Health (Dean2018-up to now)

Language Proficiency:

Skill & Degree			
Language	Writing	Reading	Speaking
Persian	Native	Native	Native
English	Good	Good	Fluent

Hobbies:

- martial arts.
- Swimming.

Major professional Experiences:

Skills:

1. Design and construction of air pollution control systems
2. Design of chemical reactor/plasma DBD reactor/ modeling, CFD
3. Design of power supply (Hi-voltage)-manufacturing and testing.
4. HSE-MS Implementation in field.

Research interests

1. Contaminants conversion by Plasma DBD/Nano Technology.
2. Air pollution Modeling & Control.

3. Air pollution Management (fuzzy methods)

Applied Software

1. Fluent, Gambit, Fuzzy TOPSIS .Minitab
2. General Software: MS Office (Word, Excel, PowerPoint, Access), Tec plot, SPSS

Teaching experiences:

Air pollution

1. Design of air pollution control system in workplaces (M.Sc)
2. Design of industrial ventilation (B. Sc)
3. Evaluation of air pollution in workplace (M.Sc)
4. Fundamental of air pollution control (B. Sc)
5. Gas and aerosol dynamic (B. Sc)

Safety & risk assessment

1. Integrated management system (IMS).
2. Risk management and assessment (B.Sc.)

Modelling

1. Modeling in occupational health.
2. Air pollution.

Publication:

Papers published in English language

1. Shahram Vosoughi- Mohammad Hossein Chalak- **Rasoul Yarahmadi**- Jamileh Abolaghasemi-Iraj Alimohammadi- Fakhradin Ahmadi kanrash-Mehran Pourtalari, (2020) Identification, Selection and Prioritization of Key Performance Indicators for the Improvement of Occupational Health (Case Study: An Automotive Company)Journal ,VOL,NO: Journal of UOEH. – 42(1) **(ISI)**
2. Soqrat Omari Shekaftik - Azadeh Ashtarinezhad - Farshad H. Shirazi - AghaFatemeh Hosseini -**Rasoul Yarahmadi** (2020) Assessing the risk of main of nanotechnology companies by the NanoTool method, VOL,NO: International Journal of Occupational Safety and Ergonomics (JOSE) - doi.org/10.1080/10803548.2019.1693778. **(ISI)**
3. Soqrat Omari Shekaftik - **Rasoul Yarahmadi** - Nargess Moghadasi - Zhaleh Sedghi Noushabadi -Azadeh Ashtarinezhad , Investigation of recommended good practices to

- reduce exposure to nanomaterials in nanotechnology laboratories in Tehran, Iran, (2020)VOL,NO: Journal of Nanoparticle Research, 22(3),59(ISI)
4. Rasoul Yarahmadi-Somayeh Soleimani-Alyar, A Laboratory Study of Low-Temperature CO Removal from Mobile Exhaust Gas Using In-Plasma Catalyst, Emission Control Science and Technology (2020)- doi.org/10.1007/s40825-020-00154-2(scopus)
 5. Rasoul Yarahmadi, Hakime Zamani-Badi¹, Poorya Fazeli², Masoud Motalebi Kashani³, Ali Asghar Khajevandi⁴, Occupational Trauma in Industrial and Mining Accidents in Iran during 2016–2017, www.archtrauma.com on Friday, May 31, 2019, IP: 10.232.74.23(ISI)
 6. M. borhani jebeli [1], p. moridi [2], M. H. Beheshti [3], R. yarahmadi* [4] A new cyclone design with adjustable inlet angle and external geometry for optimal PM10 removal, International Journal of Environmental Science and Technology- doi.org/10.1007/s13762-02422-3(ISI)
 7. Rasoul Yarahmadi- Mitra Rashidi- Alireza Alipoor- Parvin Moridi,(2018) Evaluation of Ventilation Performance Parameters for an On-Gun Welding Prototype Journal ,VOL,NO: Iranian Occupational Health Association
 8. MORIDI, F. YARAHMADI, R. – ABDOLI-SENJANI, M.– MARJANI, A, ASSESSMENT OF ECONOMIC CONSIDERATIONS FOR AIR POLLUTION CONTROL TECHNOLOGIES, APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH 2018 (ISI).
 9. Mohammad Sharif Hosseini¹ · Hassan Asilian Mahabadi¹ · Rasoul Yarahmadi, Removal of Toluene from Air Using a Cycled Storage-Discharge (CSD) Plasma Catalytic Process, Plasma Chemistry and Plasma Processing 2018 (ISI).
 10. Azam Hosseinzadeh, Seyed Ali Javad-Moosavi, Russel J. Reiterc, Rasoul Yarahmadi, Habib Ghaznavi and Saeed Mehrzadi , Oxidative/nitrosative stress, autophagy and apoptosis as therapeutic targets of melatonin in idiopathic pulmonary fibrosis, EXPERT OPINION ON THERAPEUTIC TARGETS. 2018 (ISI).
 11. Rasoul Yarahmadi¹, Somayeh Soleimani- Alyar, Green Management as New Approach to Sustainable Health Economics, The Open Access Journal of Resistive Economics (OAJRE), ISSN 2345-4954/ Volume 5, Issue 1, Number 3, Pages 38-47, Published Online January 20, 2017 (The Open Access)
 12. Farshid Ghorbani Shahnaa, Abdulrahman Bahramia, Iraj Alimohammadib,Rasoul Yarahmadi, Babak Jalehc, Mastaneh Gandomic, Hossein Ebrahimib,*,Kamal Ad-Din AbedidaChlorobenzene degeradation by non-thermal plasma combined withEG-TiO2/ZnO

- as a photocatalyst: Effect of photocatalyst on CO₂selectivity and byproducts reduction, Journal of Hazardous Materials 324 (2017) 544–553. (ISI).
13. Parvin Moridi, Farideh Atabi, Jafar Nouri, **Rasoul Yarahmadi**, Selection of optimized air pollutant filtration technologies for petrochemical industries through multiple-attribute decision-making, Journal of Environmental Management 197 (2017) 456-463. (ISI).
 14. Monireh Khadem, Farnoush Faridbod, Parviz Norouzi, Abbas Rahimi Foroushani, Mohammad Reza Ganjali, Seyed Jamaledin Shahtaheri,] and **Rasoul Yarahmadi**, Modification of Carbon Paste Electrode Based on Molecularly Imprinted Polymer for Electrochemical Determination of Diazinon in Biological and Environmental Samples, Electroanalysis 2017, 28, 1 – 9. (ISI).
 15. T. Askaripoor, GA. Shirali, **R. Yarahmadi**, E. Kazemi , The Role of the Implementation of National Building Regulations in the Fire Safety Improvement of Industrial Structures. Iranian Journal of Health, Safety & Environment, Vol.3 No.4, Aug 2016,pp.630-634. (PubMed)
 16. Zahra PANJALI, Ali Akbar ASGHARINEZHAD, Homeira EBRAHIMZADEH,Niloofer JALILIAN, **Rasoul YARAHMADI**, Seyed Jamaledin SHAHTAHERI , A Simple and Fast Method Based on New Magnetic Ion Imprinted Polymer as a Highly Selective Sorbent for Preconcentration and Determination of Cadmium in Environmental Samples.Iran J Public Health, Vol. 45, No.8, Aug 2016, pp.1044-1053. . (PubMed)
 17. C.A haichi¹, Sh. Bakand, **R. Yarahmadi**, Evaluation and comparison of job stress among security workers with fixed and shift work schedules in Municipality of Tehran, Int. J. Hum. Capital Urban Manage. 1(3): Summer 2016 . Open Access Journal
 18. **Rasoul Yarahmadi**, Somayeh Soleymani-Alyar, Sustainable Environmental Economics by Air Pollution Prevention and Control Approach, The Open Access Journal of Resistive Economics (OAJRE)/ 2345-4954/Volume 11, Number 75, Published Online Mar 20, 2016. Open Access Journal
 19. Kamaledin Abedi, Farshid Ghorbani-Shahna, Babak Jaleh, Abdolrahman Bahrami, **Rasoul Yarahmadi**, Rouzbeh Haddadi, Mastaneh Gandomi, Decomposition of chlorinated volatile organic compounds (CVOCs)using NTP coupled with TiO₂/GAC, ZnO/GAC, and TiO₂ZnO/GAC in a plasma-assisted catalysis system, Journal of Electrostatics,73(2015)80-88. . (ISI)
 20. Kamaladdin Abedi^{1,2}, Farshid Ghorbani-Shahna^{2,*}, Abdolrahman Bahrami², Babak Jaleh³,**Rasoul Yarahmadi**, Effect of TiO₂-ZnO/GAC on by-product distribution of CVOCs

- decomposition in a NTP-assisted catalysis system, *TePcohl.i,s hV oJol.u 1rn7,a IN oof. C1,h e2m01ic5al Technology*, 17, 1, 32 — 40(ISI).
21. Gholamreza Moradi ,Asghar Sadighzadeh, [Rasoul Yarahmadi](#), Leila Omid, Ali Asghar Farshad ,Behzad Rezaei Fard, Characterization of radioactive aerosols in Tehran research reactor containment. *Nuclear technology and radiation protection* (2015) vol30 no4, pp 280-286 (ISI).
 22. SOMAYEH FARHANG DEGHAN1; FARIDEH GOLBABAEI1; BOZORGMEHR MADDAAH2; [RASOUL YARAHMADI3](#); ASGHAR SEDIGH ZADEH, Experimental Investigations on Electrospun Mat Production: For Use in High-Performance Air Filters, *INTERNATIONAL JOURNAL OF OCCUPATIONAL HYGIENE*, IJOH 7: 110-118, 2015 .
 23. Parvin Nassiri, [Rasoul Yarahmadi](#), Pari Shafaei Gholami, Abdolamir Hamidi & Roksana Mirkazemi, Health, Safety, and Environmental Management System Operation in Contracting Companies: A Case Study. *Archives of Environmental & Occupational Health*. ISSN: 1933-8244 (Print) 2154-4700 (Online) Journal homepage: <http://www.tandfonline.com/loi/vaeh20> (ISI)
 24. [Yarahmadi R](#), Moridi P, Roumiani Y. Health, safety and environmental risk management in laboratory fields. *Med J Islam Repub Iran* 2016 (12 March). Vol. 30:343. (PubMed)
 25. ALI MORIDI1, [RASOUL YARAHMADI](#), ZAHRA ABEDI, Economic evaluation of modern pollution control technologies for gases and vapors by using the Cost Benefit Analysis (CBA), *An Acad Bras Cienc* (2015s) 87 (1).(ISI).
 26. Pari Shafaei Gholami, Parvin Nassiri, Rasoul Yarahmadi, Abdolamir Hamidi, Roksana Mirkazemi, [Assessment of Health Safety and Environment Management System function in contracting companies of one of the petro-chemistry industries in Iran, a case study](#). *Safety Science* august 2015 Volume 77, page 42-47 .(ISI)
 27. Zahra Panjali, Ali Akbar Asgharinezhad, Homeira Ebrahimzadeh, Sara Karami, Masood Loni, Mehdi Rezvani, [Rasoul Yarahmadi](#), and Seyed Jamaledin Shahtaheri, Development of a selective sorbent based on a magnetic ion imprinted polymer for the preconcentration and FAAS determination of urinary cadmium. *Anal. Methods*, 2015, 7, 3618.(ISI).
 28. Kamaledin Abedi, Farshid Ghorbani-Shahna , Babak Jaleh, Abdolrahman Bahrami, [Rasoul Yarahmadi](#), Rouzbeh Haddadi, Mastaneh Gandomi, Decomposition of chlorinated volatile organic compounds (CVOCs) using NTP coupled with TiO₂/GAC, ZnO/GAC, and

- TiO₂eZnO/GAC in a plasma-assisted catalysis system, Journal of Electrostatics 73 (2015) 80-88 (ISI).
29. Kamaledin Ebadi, Farshi gorbani, Babak jaleh, abdollah bahrami and Rasoul Yarahmadi, Effect of TiO₂-ZnO/GAC on by-product distribution of CVOCs decomposition in a NTP -assisted catalysis system. Polish journal of chemical technology, 17.1.32-2015, 0006 (ISI)
 30. Kamaledin Ebadi, Farshi gorbani, Babak jaleh, abdollah bahrami and Rasoul arahmadi. enhanced performance on non-thermal plasma coupled with TiO₂/GAC for decomposition of chlorinated organic compounds: influence of enrichment -hydrogen substance Journal of Environmental Health Science & Engineering 2014, 12:119 (ISI).
 31. _Fateme Abareshi, Rasoul Yarahmadi, Mahnaz Solhi, Ergonomic interventions utilized in reducing work-related musculoskeletal disorders and promoting productivity. (ISI-jose)
 32. _Marzeieh Eshtiaghi, Rasoul YarAhmadi, & Jafar Nouri, Survey of Environmental Damage Reduction by Considering Industrial Ecology Solid Waste Features in Industrial Parks Using EFMEA & GIS Techniques (Case Study: Eshtehard Industrial Park) . *Universal Journal of Management and Social Sciences Vol. 4, No.2; February 2014* .
 33. _Marzeieh Eshtiaghi, Rasoul YarAhmadi, Jafar nouri, An overview of the importance of the waste management industrial and necessity creation of industrial ecology as environment pollutants reducing in the world and IRAN, Kuwait chapter of Arabian journal of business and management review vol.3.no 7:march 2014 pp.274-277
 34. Rasoul YarAhmadi, A.f Hossieni, A.A. Farshad, Sh. Bakand, P. Moridi, Mehdi Aligol, The Prevalence of Needlestick injuries among health care workers at a hospital in Tehran. Iranian Journal of Health, Safety & Environment, 2014, Vol. 1, No. 1, pp.23-29
 35. Rasoul YarAhmadi¹, Reza Abbaszadeh Dizaji, Ali Asgar Farshad³, Fateme Teimuri⁴, Mohammad soleimani⁵, Occupational Risk Assessment of Engineered Nanomaterials by Control Banding Method in Chemistry Laboratories, Journal of American Science 2013;9(6s) PP 42-47.
 36. Rasoul YarAhmadi¹, Sayed bager Mortazavi and parvin Moridi, , Development of Air Treatment Technology Using Plasma Method, International journal of occupational hygiene, January 2012, Vol. 4 , No. 1 ,27-35
 37. Rasoul YarAhmadi¹ and Shima Sadoughi, Evaluating and prioritizing of performance indices of environment using fuzzy TOPSIS, Indian Journal of Science and Technology Vol. 5 No. 5 (May 2012) PP 2713-2719. (ISI)

38. Shima Sadoughi, Rasoul Yarahmadi, Mohammad Hossein Taghdisi³ and Yadollah Mehrabi⁴ Evaluating and prioritizing of performance indicators of health, safety, and environment using fuzzy TOPSIS, African Journal of Business Management Vol.6 (5), pp. 2026-2033,8 February, 2012 *(ISI)*
39. Yarahmadi –Rasoul Mortazavi –S .B, Omidkhah_ M, Asiliyan –H. Moridi .P”. Examination of the Optimized Conditions for the Conversion of NO_x Pollution in DBD_plasma reactor ,Iran. J. Chem. Chem. Eng. Vol. 29, No. 1, 2010. *(ISI)*

Papers published in Persian language

1. + paper 1398-1399 must be add by English term
2. M. Roohbakhsh Bidaei¹, M. Azadfallah^{2*} and R. Yarahmadi³ Adsorption of rhodamine B dye with activated carbon prepared from beech wood, Iranian Journal of Wood and Paper Science Research Vol. 33 No. (2)
3. Taleb Askaripoor¹, Gholam Abbas Shirali², Rasool Yarahmadi³, Elahe Kazemi^{4,*} Fire risk assessment and efficiency study of active and passive protection methods in reducing the risk of fire in a control room of at an industrial building, Journal of Health and Safety at Work Vol. 8; No. 1; Spring 2018
4. Yarahmadi R, Farshad A, Esrafiy A, Soleimani- Alyar S. The utilization of Non-Thermal Plasma technology in carbon monoxide removal using propane gas. ioh. 2018; 15 (4) :50-61
5. Moradi A¹, Rahmani KH², Yarahmadi R³, Jaafaripooyan Prioritization of Key Qualification Indicators related to Operational-Level Managers based on Multiple Criteria Decision Making, Fuzzy TOPSIS in Tehran University of Medical Sciences. Published By Tehran University Of Medical Sciences: www.TUMS.ac.ir 2017
6. Yarahmadi R, Vafa MR, Moridi P, Yari P, Najibi SN, Soleimani- Alyar S. The Effect of Educational Intervention Using Attitude- Behavior Pattern of Health Nutrition on Labor Productivity Index Occupational Hygiene, and Health Promotion Journal 2018; 2(3): 192-201.
7. Moridi P, Moradi A, Taheri F, Yarahmadi R, Farshad A A. Prioritization of accident risk indices based on multiple criteria decision making in the traffic police (Tehran City). ioh. 2018; 15 (5) :21-29
8. Seyyed Poorya Fazeli¹, Yasser labbafinejad², Rasoul Yarahmadi^{3*}, Agha Fatemeh Hosseini, Acquired color vision impairment among gasoline station workers with occupational exposure of BTEX: A case study in Tehran city, *Iran Occupational Health, Vol. 15, No. 3, Aug-Sep 2018.*
9. Yari P, Yarahmadi R, Khosravi Y, Salehi M, Kariznovi H. Presenting occupational accidents patterns based on the affinity of risk-injury groups (case study). JHSW. 2017; 7 (3) :255-266

10. Payman Yari 1, **Rasoul Yarahmadi** 2, *, Yahya Khosravi 3, Ehsan Asivand, Presenting the Dimensions of Occupational Accidents Based on Risk-Injury Affinity Groups: A Case Study from 2005 to 2014, Journal of Occupational Hygiene Engineering, Volume 3, Issue 4
11. **Yarahmadi R**, Yari P, Khosravi Y, Salehi M, kariznovi H. Correspondence analysis of occupational accidents occurred among insured workers Social Security for a period of ten years. *ioh.* 2017; 14 (3) :95-104
12. Khadem M, Faridbod F, Norouzi P, Rahimi Foroushani A, Ganjali M R, **Yarahmadi R**. Designing and Development of an Electrochemical Sensor Modified with Molecularly Imprinted Polymer and Carbon Nanotubes for Evaluation of Occupational and Environmental Exposures to Dicloran Pesticide . *ioh.* 2017; 14 (3) :1-12
13. Monireh Khadem 1, Farnoush Faridbod 2, Parviz Norouzi 3, Abbas Rahimi Foroushani 4, Mohammad Reza Ganjali 3, Seyed Jamaledin Shahtaheri 5*, **Rasoul Yarahmadi** 6 Development of a specific electrochemical sensor for occupational and environmental monitoring of Diazinon, Journal of Health and Safety at Work Vol. 7; No. 1; Spring 2017
14. Ebrahimi Z, Farshad A A, Khosravi Y, **Yarahmadi R**. problems of hospital from the perspective of human-system interface technology and recommended practices for improvement: a qualitative study. *ioh.* 2017; 14 (2) :55-71
15. **Rasoul Yarahmadi**1, Zabiolah Damiri2 Assessment and Simulation of Air flow Pattern and Particle Dispersion with omputational Fluid Dynamics Method in a Pharmaceutical Industry, Journal of Occupational Hygiene Engineering Volume 4, Issue 3, Autumn 2017, Pages: 8-16
16. Damiri Z, **Yarahmadi R**, Rashidi M. Validation of model simulations of air flow in cleanrooms (Case Study in the pharmaceutical industry at 2015). *ioh.* 2017; 14 (4) :34-25
17. **Rasoul Yarahmadi** , Zabiolah Damiri, Javad Sharifi 3 Evaluation of cleanroom functional parameters (A case study in a pharmaceutical industry) Journal of Health and Safety at Work Vol. 7; No. 2; Summer 2017
18. damiri Z, **Yarahmadi R**, sharifi J. Assessment of functional parameters of HEPA filters in a pharmaceutical industry (case study 2015). *ioh.* 2017; 14 (2) :15-26
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21. **R Yarahmadi**, A Esrafil, Z Panjali, M Rashidi , M Borhani Jebeli, A Salahshour, Airborne contaminants evaluation of central animal housing of Iran University of medical sciences,Iran Occupational Health, Vol. 13, No. 6, 2017

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23. **Rasoul Yarahmadi**¹, Farideh Golbabaie², Alireza Alipoor³, Mitra Rashidi⁴, Design and evaluation of the performance of local exhaust hood on the welding torch Iran Occupational Health, Vol. 13, No. 4, Oct-Nov 2016,
24. Somayeh Farhang Dehghan¹, Farideh Golbabaie², Bozorgmehr Maddah³, **Rasoul Yarahmadi**⁴, Asghar Sadigh Zadeh⁵, Fabrication and Optimization of Electrospun Polyacrylonitrile Nanofiber for Application in Air Filtration, Iran Occupational Health, Vol. 12, No. 5, Dec 2016-Jan 2017
25. Maryam Borhani Jebeli¹, Farideh Golbabaie², Atamalek Ghorbanzadeh³, **Rasoul Yarahmadi**⁴, Elimination of carbon monoxide using non-thermal plasma technique, Iran Occupational Health, Vol. 13, No. 3, Aug-Sep 2016.
26. Ahmadi, M., Jourgholami, M., Majnounian, B., and **Yarahmadi, R.** Comparison of cutting time and noise levels in logging beech and hornbeam Forest KHEYRUD, Iranian Journal of Forest, Vol. 68, No. 4, Feb-Mar 2016
27. **Rasoul Yarahmadi**, Farzaneh Sadat Shakouhi, Fereshteh Taheri, Parvin Moridi, Prioritizing occupational safety and health indexes based on the multi criteria decision making in construction industries, Iran Occupational Health, Vol. 12, No. 6, Feb-Mar 2016.
28. Akram Tabrizi [,], Farideh Golbabaie [,], Hamid Shirkhanloo [,], Kamal azam [,], **Rasoul Yarahmadi** Evaluation of the adsorption capacity of nano-graphene and nanographene oxide for xylene removal from air and their comparison with the standard adsorbent of activated carbon to introduce the optimized one, Journal of Health and Safety at Work Vol. 6; No. 2; Summer 2016 .
29. Panjali, Z., Asgharinezhad, AA, Ebrahimzadeh, H, Rezvani, M., **Yarahmadi, R.**, Shahtaheri, SJ, Application of an ion imprinted polymer for development of cadmium biological monitoring in an automobile industry, Scientific Journal of School of Public Health and Institute of Public Health Research /86 Vol. 13, No. 1, Spring 2015.
30. Gholam Abas Shirali, **Rasoul Yarahmadi** , Elahe Kazemi, Determining the Risk of Fire by Engineering Approach and Provide Practical Protection Strategies in a Thermal Power Plant , Iran Occupational Health, Vol. 12, No. 4, Oct-Nov 2015.

31. **Rasoul Yarahmadi**¹, Reza Abbaszadeh Dizaji, Ali Asgar Farshad³, Fatemeh Teimuri⁴. Risk assessment of chemical materials in nano_scale using control Banding method in chemistry laboratories.
32. **R. Yarahmadi** .S Tymoury. The Comparison between Hands-on Praticce and Classroom Training Methods on Increasing The First Aid Skills and The Ability to Electrical Hazard Recognition ..
33. Panjali, Z., Asgharinezhad, AA, Ebrahimzadeh, H, Rezvani, **Yarahmadi, R**, Shahtaheri, SJ. Application of an ion imprinted polymer for development of cadmium biological monitoring in an automobile industry, Scientific Journal of School of Public Health and Institute of Public Health Research /86 Vol. 13, No. 1, Spring 2015.
34. P. Shafaei Gholami¹, P. Nassiri², **R. Yarahmadi**³, A. Hamidi⁴, R. Mirkazemi⁵, Assessment of contractors HSE performance based on key indicators in a petrochemical industrial setting: (a case study), Iran Occupational Health, Vol. 11, No. 3, Aug-Sep 2014
35. Gh.R.Moradi, A.Sedighzadeh, **R. Yarahmadi**, Sh.Bakand, A.A.Farshad ,B.Rezaeifard M Alamdar. Synthesis of nano-fibrous mats using electrospinning method and determining their efficiency for nanoaerosols removal. Iran Occupational Health, Vol. 11, No. 1. 2014
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40. Gh.R Moradi¹, A. Sadighzadeh², **R. Yarahmadi**³, Sh.Bakand⁴, A.A Farshad⁵, B. Rzaipour⁶ S. Musavi⁷, M.Solhi⁸. Investigating the collection efficiency of ULPA filters for the removal of nano-sized aerosols. Iran Occupational Health, Vol. 10, No. 2, Jun-July 2013.

41. M. Ahmadi, M. Jourgholami, B. Majnounian and R. Yarahmadi. Investigation on the ergonomic aspects of the noise caused by chainsaw in bucking operation(Case study: Kheyroud forest research station). Iranian Journal of Forest, Vol.5, No.1, Spring 2013.
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44. Yarahmadi R, F.Abarashi, M.Solhi3, H.Haghani .Understanding the role of response efficiency on reducing ergonomic risk factors in a manufacturing industry in Sabzevar, Iran Occupational Health, Vol. 10, No: 3, Aug-Sep 2013.
45. mahdinia m, yarahmadi R.Presentation of a software method for use of Risk assessment. Iran Occupational Health, Vol.9, No.1, Year. 2012,
46. mahdinia m,yarahmadi R .Fire Risk Assessment and the Effect of Emergency Planning on Risk Reduction in a Hospital.,Qom University of Medical Sciences Journal , Vol.5, No.3, Year. 2012.
47. Yarahmadi R,jallali M.The Assessment Of Risk Factors Related To Hand Activities Using Hal Technique Of The Automotive Industry In 2011. Iran Occupational Health, Year. 2011.
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49. Yarahmadi R, Mortazavi –S .B , Omidkhah_M , Asiliyan –H. Examination of the Optimized Conditions for the Conversion of NOX Pollution in DBD Plasma Reactor.,Journal of environmental sciences and technology, Vol.11, No.4, Year. 2009,
50. Yarahmadi R,Mortazavi S.B, Omidkhah M R, Asilyan H,Moridi M. Treatment of Nitrogen Oxides in Air Using Modified ZSM-5 Zeolite,Authors,Journal of environmental sciences and technology , Vol.11, No.3, Year. 2008 .
51. Yarahmadi R, Mortazavi S, Asiliyan H, Khavanin A, Moridi P. Evaluation of Correlation between Emission Sulfur Oxide and Sulfuric Acid Mist and Worker Personal Exposure.,Iran Occupational Health Journal, Vol.4, No.1, Year. 2007, Number of Page:43-47.
52. ASILIAN H.,KHAVANIN A.,MORTAZAVI S.B.,FAGHIHZADEH S.,YARAHMADI R .The Environmental Study of Airborne Sulphates in a Petrochemical

Complex.JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY , Vol.9,
No.1, Year. 2007.

53. Moridi P, karimzadeh H, nasiri P, abedi Z, **Yarahamdi R** .Survey and evaluation of noise control economic aspects in modares high way. Journal of environmental sciences and technology, Vol.43, No.4, Year. 2005,

Books.

- 1- Electrical safety Engineering, IUMS Publication, Rasoul Yarahmadi. 2017
- 2- Learning of Accidents, Vol 1-2, MIMT HSEE Office Publications, 2015-2016
- 3- Applied HSEE (in editing)
- 4- Local Exhaust Ventilation Testing (in editing)

Congresses presentations (National):

1. FROM 1393 IN 1396 : **17 MAIN TITLE** PRESENT
2. M. Ahmadi, M. Jourgholami, B. Majnounian and **R. Yarahmadi**. Investigation on the ergonomic aspects of the noise caused by chainsaw in bucking operation (Case study: Kheyroud forest research station). International second conference Forest research jun 2014. (oral)
3. **R. Yarahmadi**, F. Rezaie, Z. Panjali. Study of treatment and elimination methods of VOCs using non thermal plasma. International second conference air pollution management march 2014. (poster)
4. **R. Yarahmadi**, Gh. R. Moradi, A. Sedighzadeh, B. Rezaeifard, A. A. Farshad, Sh. Bakad, B. Salimi. Experimental study of airborne radioactive particles in the safety chamber of Tehran Research Reactor 8th conference OHS Mazanderan university. 2013. (oral)
5. **R. Yarahmadi**, S. B. Mortazavi. Treatment and elimination of NO_x in air using plasma chemical process. 8th conference OHS Mazanderan university. 2013. (oral).
6. **R. Yarahmadi**, Gh. R. Moradi, A. Sedighzadeh, B. Rezaeifard, A. A. Farshad, Sh. Bakad, B. Salimi. Quantitative and qualitative study of airborne radioactive particles in the safety chamber of Tehran Research Reactor. National Conference on Air Flow and Pollution University of Tehran, 14 ~ 15 November 2012 (oral).
7. **R. Yarahmadi**, H. Saifali. Design and assessment of industrial ventilation system with economic approach in welding process. 3th national conference industrial ventilation Sharif university 2012. (poster)
8. **Rasoul Yarahmadi**¹, Sayed Bager Mortazavi and Parvin Moridi, , Development of Air Treatment Technology Using Plasma Method. 3th national conference industrial ventilation Sharif university 2012. (oral)

9. **R. Yarahmadi**, M. Borhani jebeli, P. Moridi. Survey of Aerodynamic-Geometric Factors Role on Particles Filtration Efficiency of Cyclone.3th national conference industrial ventilation sharif university 2014 .(poster)
10. **R. Yarahmadi**, S.B-Mortazavi,P.moridi,M.Omidkhah ,H-Asilian. Propane SCR by Catalysis over Zirconium and Ceria Supported on ZSM-5 for NO_x Conversion.national nanosafety Tehran 2012.(poster).
11. **R.Yarahmadi**. The air purification technology evaluation with fuzzy multi-criteria decision making method .first national occupational safety and health in construction projects .theran 2012.(oral).
12. **R.Yarahmadi**,survey of moskoloeskeletal disorder in physiotherapis technical experts and occupational therapist.7th conference national safety and health 2012(poster).
13. **Rasoul Yarahmadi**, Parvin Moridi. Health, Safety and Environmental Risk Assessment in Laboratory Sites.7th national conference Health and Sfety at work.year 2011.(poster).
14. **Rasoul Yarahmadi**1,Sayed bager Mortazavi and parvin Moridi , Development of Air Treatment Technology Using Plasma Method. 7th national industrial ventilation and industrial health.2010.(oral)
15. .Mortazavi –S .B (PhD), **Yarahmadi –R**(PhD) ,Omidkhah_M (PhD) ,Asiliyan –H (PhD),Khavanin –A (PhD) · Study on effective parameters for NO_x mitigation on a non-thermal plasma reactor 12th International congress of Environment Health (2009) .(oral).
16. Mortazavi-S.B, **Yarahmadi-R** Omidkhah_M (PhD) Asilian-H, Moridi-P. Propane SCR by Catalysis over Zirconium and Ceria Supported on ZSM-5 for NO_x Conversion. 12th International congress of Environment Health (2009). (poster).
17. Mortazavi-S.B, **Yarahmadi-R** Omidkhah_M (PhD) Asilian-H, Moridi-P .Treatment of Nitrogen Oxides in Air Using Modified ZSM-5 Zeolite.the first internatonal congress, Tehran 2007.(Poster).
18. Mortazavi-S.B, **Yarahmadi-R** Omidkhah_M (PhD) Asilian-H,Study and assessment of NO_x control methods using natural zeolite ,4th conference occupational health in hamedan university of Medical Science 2003.(Poser).
19. Mortazavi-S.B,**Yarahmadi-R**. The Environmental Study of Airborne Sulfates in a Petrochemical Complex .first air pollution conference, Iran 2002.article abstract pp 33.(poster).
20. Mortazavi-S.B,**Yarahmadi-R** .Survey and Quantities Evaluation on Workplace Sulfur Oxides in Petrochemical complex. .first air pollution conference, Iran 2002. Article abstract pp 58.(oral) .
21. **R.Yarahmadi**.Ergonomic assessment systems, military medicine conferences, Iran 2002.

22. **R.Yarahmadi** .musculoskeletal assessment worker using QEC Method of the 2th Ergonomic national conference, Iran, 2001.(poster)

Congresses presentations (international):

1. **Rasoul Yarahmadi**, Somayeh Soleymani-Alyar , Sustainable Environmental Economics by Air Pollution Prevention and Control Approach, The Open Access Journal of Resistive Economics (OAJRE)/xxx xxx/ Volume xx, Number x, 20xx Published Online August xx
2. **Yarahmadi.R**,sommayeh. Reflective main parameters on air pollution emission with air quality management,International conference on sustainable development, strategies and challenges With a focus on Agriculture, Natural Resources, Environment and Tourism 24-26 Feb 2015, Tabriz , Iran
3. Pari Shafaei Gholami ,**rasoul yarahmadi**,Assessment of Health Safety and Environment Management Systemfunction in contracting companies of one of the petro-chemistry industries in Iran,(case study),OMICS International , 2015,Valancia Spain
4. A, moradi , **Rasoul yarahmadi**.shanaz bakand Synthesis of nano-fibrous mats using electrospinning method and determining their efficiency for nanoaerosols removal, Iran NanoSafety Congress 2014.
5. **Rasoul yarahmadi** ,Treatment of Nitrogen Oxides in Air Using Modified ZSM-5 Zeolite. the first international congress, Tehran 2007.

Short Course /workshops Certificates.(as lecture-Trainer-Executer)

Course Category	1:Lecture 2:Trainer 3:Executer	Subcategory	Jointer/ supporter	Date	Delivery Location	Average participants	Duration
Industrial ventilation	1&2	Fundamental and basic Testing-design Calculation- problems solvings	TUMS	Summer 2012	Tehran/Iran	25	2*3 days
Environment	1&3	sustainability	UNESCO	Spring 2014	Tehran/IRAN	25	2 hours
Safety	1	Safety lab	TMU	2007	Tehran/IRAN	25	5 hours

HSE	1&3	Lab safety-management-assessment	Jahad Iran	Winter 2009	Jahad IRAN	20	2 days
Air pollution strategy	1&3	Strategy-air pollution-national air pollution-international policy	Jahad daneshgahi Iran	Summer 2007	Jahad IRAN	20	1 days
OHS-MS	1&3	Health and safety risk factors-Management and leadership	Jahad daneshgahi Iran	Summer 2007	Jahad IRAN	20	2 days
HSE	1	Prevention-safety – protection basic acts	TMU	Winter 2007	Tehran/IRAN	25	1 day
Air pollution monitoring	1	Air monitoring-calibration air sampling-sampling strategy	X5 /Defense ministry	Winter 2007	Tehran/IRAN	25	2 day
OHSAS18001	1	OHSAS 18001-2 For labor inspectors	HSE College	Summer 2002	Tehran/IRAN	30	10 days
HSE-MS	1	ERP-C.M	Jahad	2005	Jahad IRAN	20	1 days
HSE-MS	2&3	Health, safety and Environment in labs	TMU	Summer 2008	Tehran/IRAN	15	5 days
Safety	2&3	safety@work @ height	Capital safety France	Winter 2005	PSEEZ/IRAN	20	1 days
HSE-MS	1	Health,safey,environment	Labor organization	2005	Tehran/IRAN	30	3 days
Ergonomic	1	Ergonomic risk factors And typist women	Defense ministry	2001	Tehran/IRAN	45	4 hours

Thesis Supervisor:

1. Assessment and comparison of functional parameters of clean room by laboratory methods and CFD (A case study in a pharmaceutic industry), . [Z damiri](#) ,M.Sc, Occupational Health 2015.

2. Acquired color vision impairment among occupational exposure of gasoline station workers to BTEX (case study in tehran city) [s.p fazely](#) M.Sc, Occupational Health 2015
3. Study of COx treatment and elimination using plasma- chemical hybrid process in experimental scale. [S solymani](#) ,M.Sc, Occupational Health 2015.
4. Occupational health and safety accidents pattern based on risk-injury affinity groups (case study) [pyman yari](#) ,M.Sc, Occupational Health 2015.
5. Designe and local exhaust ventilation system (LEV) modeling in portable welding process [M.rashidi](#) M.Sc, Occupational Health 2015.
6. Treatment And Elimination Of Carbon Oxides in The Exhaust of Gasoline Car Using Non Thermal plsam [M.borhani](#) ,M.Sc, Occupational Health 2015.
7. Treatment and elimination of hydrocarbons in the exhaust of gasoline car using non thermal plasma ,[A salashour](#) M.Sc, Occupational Health 2015.
8. Economic Assessment for new technologies of air pollution control using benefit-cost analysis method [Ali moridi](#) ,environment management MSc 2014 .
9. safety, health, environment Analysis and risk management in Boroojerd textile factory using ISO method , [A.godarzi](#) HSE management MSc 2014 .
10. Weighting and Comparison of performance index in HSE-MS with Fuzzy TOPSIS method by HSE-MS model performance assessment results (Case study: Jahanpars Co.) [dariosh nazadi](#) environment management MSc 2014 .
11. An overview of the importance of the waste management industrial and necessity creation of industrial ecology as environment pollutants reducing in the word and IRAN, [Marzeieh Eshtiaghi](#). M.Sc .2013.
12. Performance Evaluation of Local Exhaust Ventilation System for Air Contaminant Control in one of the Printing Houses, Tehran, 2011. [S.lolo](#), M.Sc, Occupational Health , 5-2013 .
13. Evaluation Of Electrical Safety Training Intervention Effectiveness On Raja Electricity Technicians' Self -Efficacy With TIER Model, [Taimouri](#), M.Sc, Occupational Health, 2013.
14. Assessment effectiveness of ergonomic training intervention on increase of knowledge and reduction in musculoskeletal disorders risk in a production industry, [F.Abareshi](#), M.Sc, Occupational Health , 2013

15. Risk Assessment of Chemical Materials in Nano_Scale Using Control Banding Method in Chemistry Laboratories, [R.Abaszade Dizchi](#), MPH, Occupational Health, 2012 .
16. Investigation of filtration methods for elimination of nanoparticles in Nuclear Industries and Selection of Optimized Methods, [GH.Moradi](#), M.Sc, Occupational Health, 2012 .
17. 6.Study and improve the safety and reliability of Satellite pneumatic systems, [S.Hosein zade takme](#), M.Sc, Occupational Health, 2012.
18. Treatment and Elimination Of NOx in Air using Non_thermal Plasma Process Technology, [F.Moridi](#), M.Sc, Department Of organic Chemistry, 2012 .
19. Evaluation of occupational exposure to needle stick and associated risk factors in a large hospital, [M.Ali goli](#), M.Sc, Occupational Health, 2011 .
20. Evaluate the effect implementation of The one-way streets, Vali-Asr Tehran stakeholders on mental health, [G.Salehyar](#), MPH, Occupational Health, 2011 .
21. Posture Assessment Shhrsalm company employees in the Municipality of Tehran Rola methods and controls offer solutions, [A. Hag Ghasemi](#), MPH, Occupational Health, 2011 .
22. Survey Of, Safety and Environment Key Performance Indices in HSE-MS of Tehran Municipality , [Sh.Sadoughi](#), M.Sc, occupational health, August 2011 .
23. Fire Risk Assessment and Offering optimization model for safety measure in a hospital complex [M.Mhadinia](#), M.Sc, occupational health, 2009 .

Advisor:

1. Preparation of activated carbon from lignocellulosics and its surface modification using plasma. [M.Rohbaksh](#) M.Sc, wood industries and science UT 2015
2. Prioritization of operational managers selection indices based on multiple criteria decision making, fuzzy TOPSIS method in Tehran University of Medical Science. . [A Moradi](#) MPH, TUMS Occupational Health 2015

3. determination of control priorities to elimination and reduction ergonomic problems for staff of hospital usage FTOPSIS approach. [Z ebrahimi](#) M.Sc, Occupational Health 2015
4. Consequence assessment for fire and explosion of LPG storage tanks in selected oil & gas company and providing emergency response plan. [H karisnoy](#) M.Sc, Occupational Health 2015
5. Optimisation of extraction method for cadmium in the biological and environmental samples by formulation and synthesis of magnetic ion imprinted polymer (IIP), [Z Panjali](#), M.Sc, Occupational Health, 2014.
6. Chlorinated volatile organic compounds control in air by plasma-catalyst hybrid technology . [abedi](#) PhD 2014 hemedan university
7. Fire risk assessment using FRAME method and applied control suggestion: a case study in control room of a thermal power plant. [ellahe kazemi](#), occupational health MSc 2014 chamran university.
8. Environmental Risk Management for Gas Pipelines, [Bageri](#), environment management MSc 2014
9. Feasibility study of replacement of active carbon with nano graphene and graphene oxide for removing xylene vapors from air , [tabrizi](#) M.Sc, occupational health, August 2014
10. Evaluation the air quality in the pharmaceutical clean rooms, [G.sharifi](#), M.Sc, Occupational Health, 2013.
11. Contractors HSE performance study based on key indicators of selected petrochemical companies
[P.Gholami Shfaie](#), M.Sc, Managing HSE, 2-2013
12. Anthropometric assessment of military personnel in the defense industry city of Tabriz and its comparison with civilian employees of the city, [Y.hemmatjo](#), MPH, Occupational Health , 2012
13. Consumption study of organic solvents in adhesives traditional shoe shop, [M.Mirzakhani](#),
M.Sc, Occupational Health , 2012 .
14. Evaluation and comparison of job stress among security workers With and shift Work schedules in municipality regions of 18 and 20 Tehran, [A.Chaichi](#), MPH, occupational health, Summer 2011
15. The Survey and Evaluation of the ergonomic aspects of the noise caused chain saw, [M.Ahmadi](#), M.Sc, Forest Engineering, February 2012 .

Participant in the courses:

More than 25 courses with scientific,cultural and site visit approach have done. “As Persian C.V”

Research projects:

More than 35 Research Activities with air pollution control, safety,ergonomic,... approach have done.” As Research IUMS ”

Membership

Members in conferences

1. Scientific Committee member of 6th national congress of air pollution 2018
2. Scientific Committee member of 5th national congress of air pollution 2017
3. Scientific Committee member of 1th national congress of ergonomic 2014.
4. Scientific Committee member of 1th national congress of safety at construction projects 2012.
5. Scientific Committee member of 2-3th national congress of air pollution management and noise control (2013-2014)
6. Scientific Committee member of 2-3thnational congress of industrial ventilation (2010-2011)
7. Scientific Committee member of 12th International congress of Environment Health (2009)
8. Consultant Expertise of Standard Modification and Natural Air Quality Index .Iran EPA, 2007, Tehran.
9. Executive Editor of The 3th national congress on family health. 2007, Tehran
10. Member of Board in Iran Jahad danshghahi, 2002-2006, Tehran.
11. Scientific Committee member of 2th International congress of ergonomics and industry(2001)

Membership in Association (scientific organization)

1. Member ACGIH (2017-Now)
2. Member of nano Occupational safety (2013-Now)
3. Member of Iranian Occupational health Association (2002- Now)
4. Member of Originator Groups in ergonomics Association (2000- Now)

Membership in journals (editor):

1. Environmental Toxicology Studies Journal “(2017-Now)
2. Archives of Public Health and Research”(2017-Now)
3. SM PREVENTIVE MEDICINE AND PUBLIC HEALTH” (2017- Now)
4. Iranian journal health, safety and environment” (2013- Now).
5. Iranian Journal of Occupational Health” (2009- Now)

Membership in research centers

1. Air pollution research center (2017- Now)
2. Iranian Occupational Health Research Center(2009- Now)
3. Safety promotion research center shaied beheshty of university 2009

Executive activity:

4. Head of school of public health (2018- Now)
5. Head of air pollution research center(2017- Now)
6. General manager of HSEE industry, mining and trade Ministry, June 2014 -continued
7. Deputy Director of occupational health Research Center, DEC 2010 -continued
8. Assistant Dean of Administrative and Financial Affairs, The School of Public Health IUMS, 10 DEC 2009 -2010.
9. Assistant Professor, School of Public Health, IUMS, Tehran, Iran. Sept 2009-continued
10. University Lecturer, School of Public Health,IUMS(1997-2002), KUMS(2001) and BUMS(2002),SBUMS(2006-2009)
11. Crisis Management Assistant headmaster, PSEEZ 2004-2006.
12. Implementation Executer and Head of Health, Safety and Environment Management System (HSE-MS) in PSEEZ.2003-2006.
13. Occupational Health Expertise, Chemical Researcher, Ministry of Defense (SASAD), Tehran 1998-2004.

Engineering activity:

1. Design and development the Industrial ventilation lab, School of Public Health, add 5 experimental capabilities, IUMS(2014)
2. Executer of Risk management Project in TMU, 2009-2010, TMU,Tehran
3. Executer of HAZID Project in TMU, 2008, Tehran
4. Design of Safety and fire Systems, 2 Projects, and 2006-continuesd.
5. Air pollution Assessment (Indoor-Outdoor), +10 Projects, 1997-continued.

6. Design and Supervision on Construction of Industrial ventilation, +10 Projects, 1996-continuesd.
7. Design of Smart industrial ventilation Application.
8. Design and Constructor of Bench Scale Industrial ventilation Wind tunnel,, School of Public Health, KUMS(2000).
9. Design and Constructor of Bench Scale Industrial ventilation Wind tunnel, School of Public Health, IUMS (1998).
10. OHSAS Auditor of SASAD, 1998-2003, Tehran.

Scholarships, Grants and Awards Received:

1. Award from President, Top selected of 19th Razi Festival winter 2013” Executive director the Journal of Occupational Health.
2. Excellent student, Approbation of Dominant Gifts Council, sciences ministry and research, 2007 Tehran.
3. First Grade in Graduate of PhD in Tarbiat Modarres University (2007)
4. First Grade in Ph.D. Entrance Exam in Tarbiat Modarres University (2002)
5. Third Grade in Graduate of Master Science level in Tarbiat Modarres University (2000)
6. First Grade in Graduate of Bachelor Science level in Iran University Medical Sciences (1998)

Inventions:

1. Nitrogen Oxides treatment system in Air using Modified ZSM-5 Invention. Certified by Iran Industrial Inventions and Ownership Registration Organization" www.sabt.gov.ir/Patent/PatentList "and Iranian Science Organization of Science and Technology (IROST) ,2008 :
2. Nitrogen Oxides treatment system in Air using plasma-chemical hybrid process Invention. Certified by Iran Industrial Inventions and Ownership Registration Organization" www.sabt.gov.ir/Patent/PatentList "and Iranian Science Organization of Science and Technology (IROST), 2008.
3. Nitrogen Oxides treatment system in Air using Non-Thermal Plasma Invention. Certified by Iran Industrial Inventions and Ownership Registration Organization" <http://www.sabt.gov.ir/Patent/PatentList> "and Iranian Science Organization of Science and Technology (IROST), 2007.

Reference

1. [Seyyed Bagher Mortazavi\(PhD\)](#) (supervisor of both My M.Sc. and PhD Theses) Associate Professor of occupational health Engineering, tarbiat modares University, Tehran, Iran. Phone: (+98) 2182880, E-Mail: mortazav@tmu.ac.ir.
2. [Aliasghar farshad \(PhD\)](#) (head of occupational health) Associate Professor of occupational health Engineering, iran University of Medical science , Iran. Phone: (+98) 218607945, Tehran, Iran.E-fdjir@yahoo.com.
3. [Seyyed Ahmad Jonaydi Jaffari\(PhD\)](#) (1st Reviewer of my PhD Thesis) . Associate Professor of occupational and environmental health Engineering, Iran University of Medical science , Iran. Phone: (+98) 21867945 , Email: jonaidi@yahoo.com

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