

## C.V (curriculum vitae )



**Name and Family name:** *Ali khavanin*

**Birth date:** *8th feb1959*

**Nationality:** *Iranian*

**Marital status:** *Married*

**Address:** *Department of Occupational Health Engineering, School of Medical Sciences, Tarbiat Modares University, Tehran, Iran.*

**Post code:** *14115-331*

**Email address:** *Khavanin@modares.ac.ir*

### **Educational background**

**BSc:** Physics, Tarbiyat Moalem University, Arak,Iran,1985.

**MSc:** Occupational health, Tarbiat Modares University, Iran, 1989.

**Ph.D:** Occupational health, Tarbiat Modares University, Iran.2002.

### **Academic and scientific position:**

Dánešyár (associate professor) and Academic member of Occupational Health Engineering Department, Tarbiat Modares University, Iran.

### **Book Translated and authored**

- Wastewater treatment, Rezai A, Ghanizadeh Gh, Mortazavi SB, Kavanin A. 2007. Avaye danesh gostar publication.
- Anaerobic wastewater treatment, Mortazavie SB, Ghaneyan MT, Rezai A, Kavanin A. 2007. Avaye danesh gostar publication.

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### **Scientific articles published in Persian**

- 1- Kazem zade H, Kermanshahi S, Khavanin, A. Effect of simultaneous use of relaxation and fluid therapy on respiratory condition of the textile workers of Zanjan. The scientific journal of Zanjan University of medical sciences. 2001;9 (37):17-21.
- 2- Azimi Pirsarayi SR, Mosavinasab N, Khavanin A, Asilian H, Soleimanian A. The role of employment in lead ingots manufacturing industry on the lead hair content in Zanjan. 2002; 10 (39): 29-34.
- 3- Khavanin A,Mortazavi S.B, FathollahiY,Imani H.,Kazemnejad A, Akbari M, Mahmoudian S. Investigating the effect of toluene vapors on rabbits hearing function in using brainstem response hearing auditory (ABR) method. Medical Daneshvar. 2003: 10 (45): 27-34.
- 4- Khorram-Zadeh M.R, Khvanin A, Mortazavi SB, Asilian H, Soleimanian A. Evaluation of airborne dust in the work place and its impact on the workers' pulmonary performance in a modern cement plant, in Tehran. Sanat Siman. 2003; 72:72.
- 5- Mirzaee R ,Alameh A ,Mortazavi SB,Khavanin A,Kazemnejad A, Akbari M, Kamalian NA. Effects of noise intense in different frequencies (high and low) on noise induced hearing loss and oxidative stress in blood and liver of rabbits. Daneshvar Medicine. 2004; 12(53):37-42.
- 6- Derayat J, Rezaee A, Mortazavi SB, Yamin Y, Khavanin A, Soleimanian A. The study of effective factors in mercury removed from aqueous solutions using granular activated carbon. Journal of Kermanshah University of Medical Sciences. 2005; 9 (1): 44-51.
- 7- Mortazavi SB, Jabbari M, Gharabagh H, Asilian A, Khavanin A,Solimanian A. Evaluation of 4,4-methylene diphenyl diisocyanate effects on foam

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producing workers of a car manufacturing company. The Journal of Qazvin Univ. of Med. Sci. 2005; 9(34):43-50.

- 8- Nikpey A, Mortazavi SB, Khavanin A, Asilian H, Rezai A, Soleimanian A. Catalytic hydrolysis of methyl tertiary-butyl ether (MTBE) in groundwater. Nashrieh Shimi va Mohandes Shimi Iran (NSMSI). 2005;24(1):73-81
- 9- Gholamniya R, Mortazavi B, Asilian H, Khavanin A. Evaluation of occupational exposure to Rockwool and the changes of respiratory volumes and capacities induced by its inhalation in a manufacturing unit. Daneshvar Medicine.2005; 12(58):53-61.
- 10- Sayed Bagher Mortazavi,, Ramezan Mirzae, Ali Khavanin, Hasan Asilian, Mohsen Nourshargh, Ardalan Soleimanian. Metallic Mercury Vapour and Particulates Pollution in a Petrochemical Company. Journal of Kermanshah University of Medical Sciences. 2006; 10 (3), 235-241.
- 11- Valipur F, Pourtaghi GH, Khavanin A, Akhound MR, Ansari G, Mazahabi M. Rate of X-ray irradiation around the inspection gates at Mahrabad Airport, Tehran, Iran. Journal of Military Medicine.2006; 8(1): 63-68.
- 12- Khavanin A,Mortazavi SB, Mirzaei R, Imani H. The comparison of effects of toluene, especially noise and toluene along with noise per Auditory Brain Stem response on rabbit. Zahedan journal of research in medical sciences (Tabib-e-Shargh)2007; 9(3): 171-181.
- 13- Khavanin A, Zaroushani V,Mortazavi SB, Rezaei A, Mirzaei R, Hasani J. A Study on the biological effect of microwave mobile phone on rabbit blood antioxidant capacity. Iranian Journal of Basic Medical Sciences. 2007; 9(4):244-249.
- 14- Asilian H, Valadkhani A, Mortazavi SB, Salem M, Khavanin A. Assessment of factors associated with explosion of gas-fuel in fire-tube boilers .Journal of Qazvin University of Medical Sciences 2007;10 (4):58-63.

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- 15-** Safari Varyani A , Mortazavi SB, Khavanin A, Moazen SM , Kazemnegad A. The effect of microwave on micronucleus induction and nuclear division index changes on Balb/c mice lymphocytes. 2007;11(3): 40-45
- 16-** Khavanin A, Zaroushani V, Mortazavi SB, Rezaei A, Mirzaei R. Comparison of antioxidant capacity changes in rabbit blood after disconnected exposure to mobile phone microwave. Journal of Sabzevar University of Medical Sciences. 2008; 14(4): 238-245.
- 17-** Asilian H, Khavanin A, Mortazavi SB, Faghihzadeh S, Yarahmadi R. The environmental study of airborne sulfates in a petrochemical complex. Environmental sciences and technology. 2006; 9(1): 17-22.
- 18-** Yarahmadi R, Mortazavi SB, Asiliyan H, Khavanin A, Moridi P. Evaluation of correlation between emission of sulfur oxides and sulfuric acid mists and workers personal exposure in a petrochemical complex. Iran Occupational Health. 2007; 4(1): 43-47.
- 19-** Mortazavi SB, MirzaeR, Khavanin A, AsilianH, Nourshargh M, Soleimanian A. Metallic Mercury Vapour and Particulates Pollution in a Petrochemical Company. Journal of Kermanshah University of Medical Sciences. 2006;10 (3):235-239
- 20-** Valipour F, Khavanin A, Asilian H, Pourtaghi Gh, Mohebi HA, Jonaidi N, Naghizadeh MM, Momayezi A, Alavi HS. Measurement of Physical work capacity (PWC) for Iranian Military Personnel in Different Condition Chamber Laboratory Climates (Normal and Very Hot and Humid). Journal of military medicine. 2007; 9: 67-7.

## C.V (curriculum vitae )



- 21-** Rezaee A , Pourtaghi GhH, Khavanin A, Saraf Mamoori R, Hajizadeh E , Valipour F. Elimination of toluene by Application of ultraviolet irradiation on TiO<sub>2</sub> nano particles photocatalyst. Journal of military medicine. 2007;9 (3): 217-222
- 22-** Mortazavi SB, Zaranezhad A, Khavanin A ,Asilian H. Identification and safety assessment of the hazardous zones (unwanted energy flows) in a petrochemical project by application of ET& BA method. Journal of Babol University of Medical Sciences (JBUMS). 2007; 9(4):39-46.
- 23-** Mortazavi SB, Zaraenejad A, Khavanin A, Asilian H. Study of Factors Related to Accidents A Occurring during the Construction Phase of Oil, Gas and Petrochemical Projects. Journal of Shahid Sadoughi University of Medical Sciences.2008;15(4): 75-83
- 24-** Khavanin A, Zaroushani V, Mortazavi SB, Rezaei A, Mirzaei R. Comparison of antioxidant capacity changes in rabbit blood after disconnected exposure to mobile phone microwave. Journal of Sabzevar university of medical sciences 2008; 14(4 (46)):238-245.
- 25-** Jabbari Gharabagh M, Asilian H, Mortasavi SB, Zarringhalam A, . Hajizadeh E, Khavanin A. Consequence analysis of toxic chemicals release from petrochemical feed and product pipelines network. The Journal of Qazvin University of Medical Sciences 2009, 12(4): 12-18
- 26-** Rezaee A , ghanizadeh Gh, Yazdanbakhsh AR, Behzadiannejad Gh, Khavanin A, Ghaneian MT, Siadat SD, hajizadeh E. Survey of the effect of water disinfection with chlorine on release and removal of endotoxin. The journal of military medicine. 2008; 9, (4): 249-256
- 27-** Mortazavi SB, Azhdarpour A, Khavanin A, Mousavi SGh. Removal of anionic surfactant and carbonated organic materials by extended aeration system on a periodic cycle. Iranian journal of Biology.2008; 1(2):166-171.

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- 28-** Khvanin A, Hajj Azimi E, Asilian H, Mortazavi SB, Soleimanian A, Motallebi M. Noise Emitted from Motorcycle Exhaust and its Control. Journal of Kermanshah University of Medical Sciences 2008; 12 (1):38-48.
- 29-** Ahmadizad S, Khavanin A, Farokhi M. Survey of the possibility of biodegradability of methyl tert-butyl ether (MTBE) by Isolated microorganisms of activated sludges in the aqueous solutions and effects of stimulator substances on biodegradation. Journal of Guilan University of Medical Sciences. 2008;17 (66):76-86
- 30-** Sanaenasab H, Ghofranipour F, Kazemnejad A, Khavanin A, Tavakoli R. The Effect of Composed Precede-Proceed Model, Social Cognitive and Adult Learning Theories to Promote Safety Behaviors in Employees. Journal of Kermanshah University of Medical Sciences. 2008; 12 (1):11-25.
- 31-** Mortazavi SB, Joze Kanani M. Khavanin A, Mirzaei R., Rasoolzadeh Y, Mansourizadeh M , Mohseni M. Foot Anthropometry by Digital Photography and the importance of its application in Boot Design. J Mil Med 2008, 10(1): 69-80.
- 32-** Nejadali, H, Mortazavi SB, Khavanin A. LPG Storage Spheres Risk Assessment with FMEA and ETBA Methods. Journal of Kermanshah University of Medical Sciences 2008; 12 (2):163-182.
- 33-** Joza' kana'ani M, Mortazavi SB, Khavanin, Mirzaei R, Rasulzadeh Y, Mansoori Zadeh. Comparison of Foot Anthropometric Measurements in Two Digital and Manual Approaches. Scientific Jour of Ilam Med University. 2008, 16(3): 1-10.
- 34-** Khavanin A, Najafi P , Pilehvarian AA, Asilian H, Akbari M, Ghods SH. Assessment of potential changes in auditory brain stem response of

## C.V (curriculum vitae )



rabbit after exposure to mobile phone waves and possibility of adaptation. Daneshvar medicine journal. 2008; 15(74):11-16.

- 35- Mirzaee R, Allameh A, Mortazavi SB, Khavanin A , Kamaliyan N. Determining the Effect of Stress of Threshold Limit Value of Noise with Shrill and Bass Frequencies on Antioxidation and Lipid Peroxidation Variations of Liver Tissue of Rabbit. Journal of Sabzevar University of Medical Sciences. 2008, 15(3): 138-143
- 36- Jabbari M, Asilian H, Mortazavi SB, Zarringhalam AS, Hajizadeh E, Khavanin A. Risk Assessment and Management of Petrochemical Transportation Pipelines. Journal of industrial engineering. 2009; 43(1), 13- 23.
- 37- Mirzaei R, Allameh A, Mortazavi SB, Khavanin A, Kamalian N. Effects of Loud Noise on Oxidation and Lipid peroxidation Variations of Liver Tissue of Rabbit. Zahedan journal of research in medical sciences ZJRMS (Tabib-e-Shargh) 2009, 11(2): 11-17.
- 38- Ghanbarzadeh Alamdari Z, Khavanin A, Kokabi M. Manufacturing sound absorber based on combined recycling of polyethylene terephthalate and polystyrene at low and median frequencies. Audiol. 2008; 17(1): 63-69.
- 39- Khavanin A, Najafi P, Pilehvarian AA, Asilian H, Akbari M, Ghods Sh. The effect of microwave radiation on rabbit's hearing. The Journal of Qazvin University of Medical Sciences 2008; 12(3):45-51.
- 40- Darabi E, Asilian H , Gholamnia R, Rezaee A, Jonidi jafari A, Khavanin A. Degradation of Transformer Oils by Photolysis in order to Reduce Occupational and Environmental Hazards. Journal of Zanjan University of Medical Sciences and Health Services. 2009; 17(68): 35-44.

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- 41- Rasoulzadeh Y, Mortazavi SB, Yousefi AA, Khavanin A, Kazemnejad Lili A. Effect of Recycled Waste Polymers, Natural Bitumen and HVS Cut on the Properties of Vacuum Bottom. Iranian Journal of Polymer Science and Technology (IJPST). 2010; 23(1): 85-95.
- 42- Moussavi Gh.R, Khavanin A, Mokarami H.R. Investigating the effect of gas flow rate, inlet ozone concentration and relative humidity on the efficacy of catalytic ozonation process in the removal of xylene from waste airstream. Iran Occupational Health. 2010, 7(3): 65-70
- 43- Asilian H, Khavaneen A, Hamoud I. Sampling of benzene in the air using natural modified iranian zeolite (purpose is replacing of activated carbon). Nashrieh Shimi va Mohandes Shimi Iran. 2010; 29(3): 147- 156.
- 44- Moussavi G.R, Khavanin A, Mokarami H. Removal of Xylene from Waste Air Stream Using Catalytic Ozonation Process. Iranian Journal of Health and Environment (IJHE). 2010, 3(3): 239-250.
- 45- Darabi E, Asilian H, Gholamnia R, Rezaee A, Jonidi jafari A, Khavanin A. Degradation of Transformer Oils by Photolysis in order to Reduce Occupational and Environmental Hazards. 2009; 17(68):35-44.
- 46- Mortazavie SB, Dadashpour Ahangar A, Rezaie A, Mirzaie R, Khavanin A, Bahram Beygi M. Quantitative analysis of bioaerosols in operating room and efficiency of controls systems. Journal of military medicine. 2009; 11(3): 171-174.
- 47- Mortazavi SB, Yarahmadi R, Omidkhah M, Asilian H, Khavanin A, Parvin Moridi. Treatment of nitrogen oxides in air using modified ZSM-5 zeolite. Journal of Environmental Science and Technology (JEST). 2009; 11(3): 61-76.
- 48- Yarahmadi R, Mortazavi SB, Omidkhah M, Asilian H, Khavanin A. Effective factors on NOx mitigation in a non-thermal plasma reactor.

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Journal of Environmental Science and Technology (JEST). 2010; 11(4): 25-40.

- 49-** Asilian H, Gholamnia R, Rezaei A, Joneydi Jafari Ahmad, Khavanin A, Darabi E. The effect of hydrogen peroxide and solvent on photolysis of PCBS to reduce occupational exposure. Journal of Kermanshah University of Medical Sciences (Behbood). 2010; 14 (3):190 to 196.
- 50-** Dehghan H, Mortazavi SB, Jafari MJ, Meraci MR, Khavanin A, Jahangiri M. Construct validation of a heat strain score index with structural equation modeling. Health system research. 2011; 6, (4):601-612.
- 51-** Motalebi Kashani M, Mortazavi SB, Khavanin A, Alameh AA, Mirzaei R, Akbari M. Effect of noise and carbon monoxide exposure on plasma antioxidant ability and blood glutathione in rabbits. Iranian south medical journal (ISMJ). 2011; 13 (4):230 to 240.
- 52-** Khavanin A, Dehghani A, Ranjbarian M, Rezazadeh Azari M, Emami Al Agha MS, Azizian S. Sub acute exposure to gaseous formaldehyde and its effect on GSH and MDA levels in liver tissue of male albino wistar rat. Journal of Mazandaran University of Medical Sciences. 2012, 22 (90):114 to 122.
- 53-** Rowshani Z, Mortazavi SB, Khavanin A, Mirzaei R, Mohseni M. Comparing RULA and Strain index methods for the assessment of the potential causes of musculoskeletal disorders in the upper extremity in an electronic company in Tehran. Journal of Kashan University of Medical Sciences (Feyz). 2013; 17(1): 61-70.
- 54-** Vosoughi Sh, Khavanin A, Salehnia M, Asilian Mahabadi H , Esmaeili V. Toxic Effects of Formaldehyde Vapors on Testicular tissue and Sperm. Iran Occupational Health. 2013;10 (1): 11-22.

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- 55-** Khavanin A, Akbari M, Mirzaie R, Nazari S, Motalebi M. Effect of different exposure times to compliance noise on rabbits' hearing protection by distortion product otoacoustic emissions. Journal of Qazvin University of Medical Sciences. 2013; 17 (1): 19 - 25.
- 56-** Khavanin A, Soleimani M, Akbari M, Mirzaaie R, Motalebi M, Asilian H, Soleimanian A. The protective effect of sound conditioning on the hearing system of rabbits. Arak Medical University Journal (AMUJ). 2011; 14(2): 29-35
- 57-** Ghambarzade Alamdari, Z, Khavanin A, Kokabi M. Mechanical combined recycling of PET & PE & PS and PP used in packaging industries for manufacturing isolating panel and assessment of compressive strength. Journal of Food Science and Technology. 2009; 6 (4):43-49.
- 58-** Motalebi Kashani M, Mortazavi SB , Khavanin A, Alameh A, Mirzaei R , Akbari M. Effect of simultaneous noise and carbon monoxide exposure on rabbits' auditory brain stem response. Journal of Kashan University of Medical Sciences (Feyz). 2010; 13(4) : 261-270
- 59-** Asilian H , Gholamnia R, Rezaee A, Jonidi Jafari A, Khavanin A, Darabi E. The comparison of solvents effect on photolysis of PCB compounds for reducing their hazards in environment. Arak Medical University Journal (AMUJ). 2010; 13(2): 1-8.
- 60-** Haji Azimi E, Khavanin A, Aghajani M, Soleymanian A. Heat stress measurement according to wbgt index in smelters. Journal of Military Medicine. 2011; 13(2): 59-64.

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- 61-** Moussavi-Najarkola SA, Khavanin A, MirzaeeR, Salehnia M, Akbari M, Asilian H. Study of noise effects on rabbit's hearing status using distortion product otoacoustic emissions. *Audiology*. 2011; 20(2): 113-124.
- 62-** Moussavi-Najarkola SA, Khavanin A, Mirzaee R, Salehnia M, Akbari M, Asilian H, Soleimanian A. Study of Noise-Induced Hearing Loss by Distortion Product Otoacoustic Emissions. *Journal of Babol University of Medical Sciences*. 2011; 13(5):34-43.
- 63-** Koozehchiyan H, Goodarzi M, Khavanin A, Farzan F. The Analysis of Safety and the Design of a Model in Sport Halls of Physical Education Faculties. *Journal of sport magazine*. 2012; 3(11):119-138.
- 64-** Khavanin A, Soleimani M, Akbari M, Mirzaie R, Motallebi M, Asilian H, Soleimanian A. Protective effect of Sound conditioning on hearing system of rabbit. *Arak Medical University Journal (AMUJ)*.2011;14(2): 29-35
- 65-** Dehghan Shahreza H, Mortazavi SB, Jafari MJ, Mohamad Reza. Designing and Investigating Content Validity and Reliability of a Questionnaire for Preliminary Assessment of Heat Stress at Workplace. *Health System Research*. 2011;7(2):228-245.
- 66-** Mortazavi S.B, Parsarad M, Asilian Mahabadi H, Khavanin A. Evaluation of chlorine dispersion from storage unit in a petrochemical complex to providing an emergency response program. *Iran Occupational Health*. 2011; 8(3):68-77.
- 67-** Ranjbarian M, khavanin A, Dehghani A, Rezazadeh Azari M, Allameh A, Sabour S, Abbas Gohari F, Azizian S . Does inhalation of formaldehyde lead to oxidative stress in blood of rat?. *Pajouhande (shahid Beheshti University of medical sciences)*.2012; 16(7): 327-332.
- 68-** Ghanbari M, Mortazavi SB, Khavanin A, Khazaei M,Vaisi-Raygani A, Bani Amerian H. The individual and simultaneous effect of the microwaves and sharp sound on sperm viability and total antioxidant capacity of plasma in

## C.V (curriculum vitae )



male rats. Journal of Kermanshah University of Medical Sciences. 2012; 16(4): 293-301.

**69-**Rashidi R, Mousavi SGh, Khavanin A. Comparison of Photolysis Process and UV/O<sub>3</sub> in Removing Benzene from Airflow. J Health Syst Res 2013; 8(7): 1140-50.

**70-**Tajik R, Asilian Mohabadi H, Khavanin A, JonidiJafari A, Solimanian A. Decomposition of persistent organic pollutants of environment (PCB Compounds) using microwave radiation and H<sub>2</sub>O<sub>2</sub>/Tio<sub>2</sub>. Arak Medical University Journal (AMUJ). 2013; 15(67): 35-44.

**71- .** Vosoughi Sh, Khavanin A, Salehnia M, Asilian Mahabadi H. Effects of simultaneous formaldehyde vapor and noise exposure on sperm parameters and pituitary-gonadal axis in adult male mice. Journal of Acoustical Engineering Society of Iran, 2013; 1 (1).

**72-**Bagheri A, Moussavi Gh, Khavanin A .Investigating the Electro-Fenton (EF) Process Performance in Treating Highly Formaldehyde-Polluted Industrial Wastewater Iran. J. Health & Environ. 2012; 5(2).

**73-**Tajik R, Asilian Mahabadi H, Khavanin A, Jonidi Jafari A, Eshrati B, Soleimanian A. Decomposition of Transformer Oil (PCB153 and PCB170) Using Microwave Radiation and Combined Tio<sub>2</sub>/H<sub>2</sub>O<sub>2</sub>. J Health Syst Res .2012; 8(3): 504-514.

**74-**Khavanin A, Mirzaee R, Safari M, Soleimanian A. Evaluation of whole Body Vibration in Bus Drivers of Tehran Bus Company in 2010 Iran. J. Health & Environ., 2012;5(2).

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- 75-** Bagheri A, Moussavi Gh , Khavanin A. Assessment of the efficiency of electro-Fenton process in degradation of formaldehyde from a highly concentrated aqueous solution by aluminum and iron electrodes. *Scientific Journal of Kurdistan University of Medical Sciences* 2012 ;17(3):72-81.
- 76-** Poortaghi Gh, Rezaei A, khavanin A , Ataei R. Development of Physical parameters of Bacterial cellulose and making absorbent of air pollutants *Iran J Med Microb Iran J Med Microbiol.* 2013; 6(4): 51-58.
- 77-** Valipour F. Rezaee A. Jonydi Jafari A. Khavanin A. Adsorption of workplace bioaerosols using Iranian natural zeolite. *Iran Occupational Health.* 2013;10(1).
- 78-** Rashidi R, Moussavi S.Gh., Khavanin A. The Effect of Reaction Time, Ozone Dosage and Relative Humidity on the Performance of UV/O<sub>3</sub> Process in The Removal of Benzene From The Airflow. *Scientific Journal of Ilam University of Medical Sciences* **2013; 21 (2):** 81-91.
- 79-** Rezaee A, Khavanin A, Jonidi A. Rangkooy HA. Removal of Formaldehyde from Air Using Modified Bone Char *Jundishapur Sci Med. J* 2013;12(2):197-208.
- 80-** Valipour F, Rezaee A, Jonydi Jafari A, Khavanin A. Photocatalytic removal of *Pseudomonas aerognisa* from air using immobilized Zno nanoparticle on Iranian natural zeolite. *Military medicine journal.* 2013;15 (2): 157-162.

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- 81-** Rangkooy HA, Rezaee A, Khavanin A, Jonidi Jafari A, Khoopaei AR. A Study on Photocatalytic Removal of Formaldehyde from Air Using ZnO Nanoparticles Immobilized on Bone Char. Qom University of Medical Sciences Journal 2013; (7) 2.
- 82-** Tajik R, Asilian H, Khavanin A, Jonidi A, Eshrat. The Effect of Solvent, Hydrogen Peroxide and Dioxide Titanium on Degradation of Poly Chlorinated Biphenyls Oils Using Microwave Radiation in Order to Reduce Occupational Exposure. Scientific Journal of Ilam University of Medical Sciences. 2014; 21 (7) :24-33.
- 83-** Rowshani Z , Mortazavi SB , Khavanin A, Mirzaei R, Mohseni M. Assessment of the potential of distal upper extremity musculoskeletal disorders in an electronic company.Journal of Qazvin University of Medical Sciences (JQUMS). 2013, 17(2): 24-32
- 84-** Khavanin A, Azrah K, Mirzaei R, Mortazavi SB, Asilian H, Soleimanian A. Evaluating subway drivers' exposure to whole body vibration based on basic and vdv methods (with iso 2631-1 standard). Journal of health and safety at work. 2014 ; 4 (2): 15 - 26.
- 85-** Khavanin A, Mirzaei R, Beheshti MH, Safari Z, Azrah K. Evaluation of health risk caused by whole body vibration exposure, using iso 2631-1 and bs 6844 standards. Journal of health and safety at work. 2014; 4 (3):23 to 36.

## C.V (curriculum vitae )



### **Scientific articles published in English**

- 1- Sayedbagher Mortazavi, Abbas Rezaee, ,Sakineh Varmazyar and Mohamadtagi Jafarzadeh, Removal of Mercuric Chloride by a Mercury Resistant Pseudomonas putida Strain ,Asian Network , Journal of Biological Science, 4 ,2004
- 2- M.Sadeghi,A.Mesdaghinia,A.Badkoubi, R.Nabizadeh , Application of the Ozonation Pre-treatment for Biodegradation of Aqueous Solutions of Methyltert-Butyl Ether , New York ,USA , American Journal of Environmental Sciences , 1 , 1 , 2005 , 41-45
- 3- S.B.Mortazavi,A.Nikpey,A.Rezaee and H.Kazemian, Methyltert-butyl Enter(MTBE)Degradation by a Microbial Consortium , New York ,USA , American Journal of Environmental Sciences , 1 , 1 , 2005 , 69-73
- 4- Hassan Asilian-Ali Khavanin-Yahya Rasulzadeh-Reza Gholamnia , Are the Asbestos substitutes substitutes Hazardous as well?
- 5- M.Sadeghi,A.Mesdaghinia,A.Badkoubi,R.Nabizadeh and A.Kavanin, Application of the Ozonation Pre-treatment for Biodegradation of Aqueous Solutions of Methyltert-Butyl Ether, American Journal of Environmental Sciences , 1(1):41-45,2005
- 6- SB. Mortazavi,A. Safari, A. khavanin, A. Kazemkejad, SM. Moazzeni, A. Rezaee. Induction of Micronuclei in Mice Lymphocytes Exposed to Microwave and Toloene - American . Journal. of Applied Sciences- (ISI) – 2(9): 1321-1324, 2005.
- 7- A. khavanin , SM. Musavian, – SB. Mortazavi, A. Rezaee, H. Asilian . Degradation of MTBE using Fenton Reagent, IJE HSE, Iran (ISI), 2(3): 195-200.
- 8- A. Rezaee, M. Ansari, A. khavanin,A. Sabzali, Aryan. Hospital wastewater Treatment using an Integrated Anaerobic Aerobic Fixed Film Bioreactor. American Journal of Environmental Sciences, - (ISI) 1(4): 259-263. 2005
- 9- SB. Mortazavi, A. Nikpey, , A. Rezaee, H. Asilian, A. khavanin, H. Kazemian Methyltert - butyl Ether (MTBE) degradation by a Microbial Consortium. American Journal of Environmental Sciences, (ISI) 1(1): 69-73. 2005

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- 10- A. Rezaee, S. Ahmadi zad, A. khavanin, M. Ansari, M. Farrokhi, biodegradation of Methyl tert-butyl Ether by Microbial Consortium, Research Journal of Microbiology. 1(2): 166-171. 2006
- 11- H. Asilian, Sh. Moradianfard, SB. Mortazavi, A. khavanin. The removal of color and COD from wastewater containing water base color by coagulation process. IJEHSE , Iran (ISI), 3(2): 153-157. 2006.
- 12- A. khavanin, A. Rezaee, SB. Mortazavi , H. Asilian, N. Abolhasani, Derafshi, Biotrickling Filter of Contaminated Air with Methy Tert Butyl Enther Using Lava Rock Media. Journal of Applied Sciences Research. , (ISI) 2(7): 417-423. 2006.
- 13- R. Mirzaee, A. Allameh , SB. Mortazavi , A. khavanin, A. Kazemkejad, M. Akbari. Assessment of outer hair cell function and blood antioxidant status of rabbits exposed to noise and metal welding fumes. Auris Nasus Larynx, Japan (ISI) 2(34): 147-154. 2007.
- 14- A. khavanin, P. Najafi, A. Rezaee, H. Bakhtoo, M. Akbari. Effects of Mobile Phone System (GSM-900) on the Rabbit Hearing with Auditory Brainstem Response, Journal of Biological Sciences, (ISI) 7(1): 200-204. 2007.
- 15- A. Zaranejad, SB. Mortazavi , H. Asilian, A. khavanin. Identification and Safety Assessment of the Hazardous Zones (unwanted Energy Flows) in an Construction Project at the National Petrochemic, Journal of Applied Sciences, (ISI) 19(7): 2769-2775. 2007.
- 16-
- 17- SA. Musavi najar kola, A. khavanin. Work related musculoskeletal disorders of the upper limbs among steel industry populations, Acta medica Iranica, Scopus, 45(5): 1-10 , 2007.
- 18- SB. Mortazavi, A. khavanin, SGh. Musavi, A. Azhdarpoor, Removal of sodium Dodecyl Sulfate in an intermittent Cycle Extended Aeration System, Pakistan Journal of Biological Sciences, 2(11): 290-293, 2008.
- 19- H. Asilian, M. Naseri nejad, SB. Mortazavi, M. Jafari, A. khavanin, A. Dehdashti. Assessment of bagging operators exposure to with PVC airborne particulates, Iran . J. Environ . Health . Sci . Eng, Iran, (ISI) 5(3): 187-194.2008.
- 20- A. Rezaee, Gh. Poortaghi, A. khavanin, R. Sarraf Mamuri, M. Ghaneian, H. Gudini. Photocatalytic decomposition of gaseous toluene by TiO<sub>2</sub>, nanoparticles coated on activated carbon, Iran . J. Environ . Health . Sci . Eng, Iran, (ISI) 5(4): 305-310.2008.

## C.V (curriculum vitae )



- 21- A. Rezaee, , A. khavanin , M. Ansari. Treatment of Work Camp Wastewater Using a Sequencing Batch Reactor Followed by Sand Filter, American Journal of Environmental Sciences, , Jurnal of Applied Sciences in Environmental sanitation. , (ISI) 4(4): 342-346.2008.
- 22- SR. azimi pirsaraee, , A. khavanin, H. Asilian, A. Soleimanian. Occupational Exposure to perchloroethylene in Dry-cleaning Shop in Tehran, Iran, Industrial Health, Japan, , (ISI) 4(3): 1-16. 2008 .
- 23- A. Dehdashti, A. khavanin, A. Rezaee , H. Asilian, A. Soleimanian. Toluene vapor treatment integrating microwave irradiation and Granular activated carbon. Jurnal of Applied Sciences in Environmental sanitation. Indonesia, (ISI) 7(N): 206-218. 2009.
- 24- M. Jabbari. H. Asilian, SB. Mortazavi, A. Zarringhalam, I. Hajizadeh, A. khavanin Comprehensive risk assessment and management of petrochemical feed and product transportation pipelines, Jurnal of loss prevention in the process industries, Holland, , (ISI) 22(4): 1-7, 8/3/ 2009.
- 25- Jabbari M, Asilian H, Mortazavi SB, Zarringhalam A, Hajizade E, Khavanin A. Comprehensive risk assessment and management of petrochemical feed and product transportation pipelines. Jurnal of loss prevention in the process industries. 2009; 22: 1-7
- 26- S.Gh. Musavi, A. khavanin, R. Alizadeh , The investigation of catalytic ozonation and integrated catalytic ozonation/biological processes for the removal of phenol from saline wastewaters, Jurnal of Hazardous Materials, Japan, (ISI) 171(-): 175-181, 8/3/ 2009.
- 27- SB. Mortazavi, M. Motallebi kashani, A. khavanin, A. Allame, R. Mirzaee, M. Akbari, Effects of N-Acetylcysteine on Auditory Brainstem Response Threshold Shift in Rabbits Exposed to Noise and Carbon Monoxide, American Journal of Applied Sciences, , (ISI) 7 (2): 201-207, 2010.
- 28- A. khavanin, A. Dehdashti, A. Rezaee, H. Asilian, A. Soleimanian, Using Microwave Radiation to Recover Granular Activated Carbon Exposed to Toluene Vapor, Iran J chem & chem. Eng, , (ISI) 29, 2009.
- 29- SB. Mortazavi, M. Motallebi kashani, A. khavanin, A. Allame, R. Mirzaee, M. Akbari, protective effects of ?tocopherol on ABR threshold shift in rabbits exposed to noise and carbon monoxide, Iranain Journal of pharmaceutical Research, (ISI) 7(2), 2010.
- 30- Photochemical of Polychlorinated biphenyl by the photolysisand solvent. Journal of Applied Sciences and Environmental Management. South Africa.2010
- 31- Regeneration of granular activated carbon saturated with gaseous toluene by microwave irradiation. Turkish Journal of Engineering & Environmental Sciences. Turkey. 2010

## C.V (curriculum vitae )



- 32- Protective effects of α - tocopherol on abr threshold shift in rabbits, IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH, 2011
- 33- Protective Effects of ?-Tocopherol on ABR Threshold Shift in Rabbits Exposed to Noise and Carbon Monoxide, IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH, 2011
- 34- Decreasing polycyclic hydrocarbons emmission from bitumen using alternative bitumen production process, JOURNAL OF HAZARDOUS MATERIALS, 2011
- 35- Effects of whole body vibration on outer hair cells' hearing response to distortion product otoacoustic emissions, IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-ANIMAL2012
- 36- Assessment of the influence of whole body vibration on Cochlear function, JOURNAL OF OCCUPATIONAL MEDICINE AND TOXICOLOGY, 2012
- 37- Noise-induced Outer Hair Cells' Dysfunction and Cochlear Damage in Rabbits, IRANIAN RED CRESCENT MEDICAL JOURNAL, 2012
- 38- Temporary and permanent level shifts in distortion product otoacoustic emissions following noise exposure in an animal model. international journal of occupational and environmental medicine, 2012
- 39- ADSORPTION OF PSEUDOMONAS AERUGINOSA FROM AIR BY CLINOPTILOLITE: MODELING, ISOTHERM AND KINETIC, FRESENIUS ENVIRONMENTAL BULLETIN, 2012
- 40- Adsorption of Pseudomonas aeruginosa from air by clinoptilite: Modeling, Isoterm and kinetic, FRESENIUS ENVIRONMENTAL BULLETIN. 2012
- 41- The investigation of degradation and mineralization of high concentrations of formaldehyde in an electro-Fenton process combined with the biodegradation. JOURNAL OF HAZARDOUS MATERIALS, 2012
- 42- Adverse effects of formaldehyde vapor on mouse sperm parameters and testicular tissue, INTERNATIONAL JOURNAL OF FERTILITY & STERILITY, 2013
- 43- Degradation of transformer oil pcb compounds by microwave Radiation, Ethanol Solvent, Hydrogen Peroxide and Dioxide Titanium for Reducing Environmental Hazards, iranian journal of toxicology, 2013
- 44- The efficacy of GAC/MgO composite for destructive adsorption of benzene from waste air stream. CHEMICAL ENGINEERING JOURNAL,2013
- 45- Modeling the Factors Affecting Unsafe Behavior in the Construction Industry from Safety Supervisors' Perspective, journal of research in health sciences.2013
- 46- High photocatalytic decomposition of the air pollutant formaldehyde using nano- ZnO on bone char, ENVIRONMENTAL CHEMISTRY LETTERS.2013
- 47- Surface modification of bone char for removal of formaldehyde from air. APPLIED SURFACE SCIENCE,2013
- 48- Microwave Assisted Catalytic Degradation of Transformer Oil in the Presence of Hydrogen Peroxide. MIDDLE EAST JOURNAL OF SCIENTIFIC RESEARCH (MSRT BLACKLIST),2013

## C.V (curriculum vitae )



49- THE EFFECT OF SOLVENT, HYDROGEN PEROXIDE AND DIOXIDE TITANIUM ON DEGRADATION OF PCBs,USING MICROWAVE RADIATION IN ORDER TO REDUCE OCCUPATIONAL EXPOSURE, ARCHIVES OF ENVIRONMENTAL PROTECTION.2013

### Conferences and congresses presentations (Persian)

- 1- Sana'i Gh, Kavanin A. Recycling of lead from used batteries; its health effects on the workers of this industry. First Congress of Industrial Medicine and Occupational Health. Iran, Yazd, 17 - 19 January, 1988.
- 2- Joneidi Jafari A. Khavanin A. Fooladi M. Investigating the effects of TDI on workers' respiratory system in an industry. The first Congress of Occupational Health, Iran, Tehran 24-28 February.
- 3- Taheri M, Sana'i Gh, Aminpoor MR Khavanin A. An investigation about the adverse effects of chlorine gas in Yazd textile industries. The second congress of Occupational Health. Iran, Isfahan, 29 Feb, 1992.
- 4- Ghazai S, Khavanin A, Hazrati S. Investigation of the hearing status of workers of the door and window manufacturing industry in Ardabil. The Congress on the effects of noise on human. Iran, Tehran, 14-16 Oct, 1997.
- 5- Khavanin A,Mortazavi S.B, FathollahiY,Imani H.,Kazemnejad A. Investigating the effect of toluene vapors on rabbits hearing loss. The National Congress of Military Medicine. Iran, Tehran, 17-19 Oct.2001.
- 6- Azimi Pirsarayi SR, Khavanin A, Asilian H, Soleimanian A. Levels of Lead in workers' hair in an industry producing lead ingots in Zanjan in year 2000. The first National Congress of occupational medicine and occupational diseases Isfahan. The Fourth National Congress of medical and paramedical findings. Iran, Isfahan, 15 Jan 2003.
- 7- Mohammad khan kermanshahi S, Khavanin A, Hosein zade K. The Influence of nursing care (hydration and relaxation) on respiratory status of textile workers. The first National Specialized Congress of occupational medicine and occupational. The Fourth National Congress of medical and paramedical findings. Iran, Isfahan, 15 Jan 2003.
- 8- 11- R.Mirzaei , A.Allame , B.Mortazavi , M.Akbary , A.Khavanin , A.Kazemnejad, A Compartive study on the effect of inclusive and special (segregated) education on auditory perception of severely heaving impaired students in Iran , abstract , Tehran , Neurotologj,Neuro-audiologj & Skull Base Surgery Congress , 14 may , 2004
- 9-
- 10- 12- M.Akbari , S.Mahmoudian , A.Khavanin , The Effect of various frequencies of pure Tone Exposure on cochlear Activity in rabbits using Otoacoustic Emission (OAEs)

## C.V (curriculum vitae )



Method , abstract , Tehran , Neurotologj,Neuro-audiolog & Skull Base Surgery Congress , 14 may , 2004

11-

12- 13- .Mirzaii , A.Allame , B.Mortazavi , M.Akbary , A.Khavanin , A.Kazemnejad, Alternation in per oxidant and antioxidant factors in blood and liver in protection of rabbits against hearing loss caused by noise , abstract , Tehran , Neurotologj,Neuro-audiolog & Skull Base Surgery Congress , 14may ,2004

13-

### - مقالات ارائه شده در سمینارها و کنگره های خارج

1- Azimi Pirsarai , Sanai GH , Asilian H , Evaluation of exposure level to tetrachloroethylene using expired air analysis in dry –cleaning workers in Tehran., Egypt , International Conferenceon Health ,Environment and Development , 14-17 October , 1996

2- SANAI,G.H , MOHAMADI-POUR,MJ , ASILIAN H , Perc( $C_2CL_4$ ) concentration in Tehran dry-cleaning workshops&biological evaluation of I is metabolite(TCA) in the workers urine , Stockholm ,Sweden , 25<sup>th</sup> International Congresson Occupational , 15-20 Sept , 1996 ,

3- Mirzaii Ramazan,Iahmi mohamadali Mortazavi Mohamad bagher,Asilian Hasan , Anthropometry of boys students(6 to 17 yeares old) in Seistan and Bluchistan Province , XVth Triennial Congerss of the International Ergonomics Association , 2003