

Personal information

Name and Family name

Hassan Asilian Mahabadi

Birth date 13/October/1959

Nationality Iranian

Marital status Married (three children)

Occupation University Scientific board member

Address Tehran, Tarbiat Modarres University, faculty of medical sciences, occupational and environmental health sciences board.

Post code:14115-331

E-mail E-mail:Asilia\_h@modares.ac.ir or Asilian\_h@yahoo.com

**\*Educational background**

Row Degree University Country From To Field of study Specialty

1 Bachelor of science Shahid beheshti University Iran 1979 1985 Occupational health -

2 Master of science Tarbiat Modarres University Iran 1989 1992 Occupational health Chemical

agents (evaluation and control)

3 PhD Tarbiat Modarres University Iran 1998 2002 Occupational health Air pollution control

**\*The books translated or written**

Row Book title Year of publication Publisher Volumes Translated Written

1 Occupational skin diseases 1993 Vice-Chancellery for Research of Isfahan medical university 2 ×

2 Air pollution 2007 Mitra publication 1 \*

3 Air pollution 210 1 \*

**\* Articles published in the publications and reception inside and outside**

Row Title journal Journal properties pages Place and date of publication co-authors and colleagues

Volume or Year of publication Month of publication Number or issue of publication country city year

1 RELATIONSHIP BETWEEN WORKING IN LEAD-SMELTING FACTORY AND HAIR LEAD LEVEL p Journal Of Zanzan University Of Medical Sciences And Health Services 39 24-39 Iran Zanzan 2002 AZIMI PIR SARAIE S.R., MOUSAVINASAB S.N.A.D.,KHAVANIN A.,ASILIAN A.,SOLEYMANIAN A.

2 DETERMINATION OF LEAD IN THE ENVIRONMENT AND IN THE URBAN SERVICE WORKERS IN A TEHRAN MANICIPILITY DISTRICT ] p 1 Autumn 3 31-40 Iran 2003 Meshkinian A. Asilian H. Nazmara Sh. Shahtaheri D.J.

3 Removal of Ammonia from Air by Modifiold Zeolites (Clinoptilolite),Using Ion-Exchange Technique p Nashrieh Shimi va Mohandesi Shimi Iran(NSMSI), in Farsi(Persian). 22 2 37-31 Iran Tehran 2002 SB.Mortasavi S.Faghihzade M.Salem

4 Evaluation of the dust in workplace ambient air and its effects on workers' pulmonary functions in a modern cement factory. p Journal - training - technical and economic studies October-November 2 72-73 Iran 2003 M.Reza Khorram , A. Khavanin, SB.Mortasavi A. Soleimanian

5 Evaluation of biological monitoring among alarge plating workshops workers in west of Tehran. p Daneshvar Medicine Journal 12 November 53 13-20 Iran Tehran Shahed University 2003 E. Soleimani, .S A. Mesbah Namin, A Soleimanian

6 Removal of Ammonia from Air Using Three Iranian Natural Zeolites. E Iranian Journal of Public Health 1 33 45-51 Iran 2004 SB.Mortasavi , H Kazemian, S Phagiehzadh, Sj Shahtaheri, M Salem

7 Fluoride compounds and their biological effects in aluminum potroom. E International Journal of Environmental Science and Technology 3 1 179-184 2004 SJShataheri, and R.Karimi-Kia

8 Evaluation of 4,4-methylene diphenyl diisocyanate effects on foam producing workers of car manufacturing company

P The Journal of Qazvin University of Medical Sciences

24 Spring 34 43-50 Iran Qazvin 2005 SB.Mortasavi M. Jabbari Gharabagh H.Asilian A.Khavanin A.Solimanian

9 Catalytic hydrolysis of methyl tert butyl ether (MTBE) in groundwater . P

Nashrieh Shimi va Mohandesi Shimi Iran (NSMSI), in Farsi (Persian). 24 Summer 1 73-81 Iran Tehran 2005 A. NickPey SBMortazavi, M.Jabbari Gharabagh, A. Khavanin, A. Soleimanian, A.Rezai,

10 Evaluation of occupational exposure to rock wool fibers and fiber effects on respiratory functions of a production unit workers.

P Bimonthly Daneshvar journal(Shahed University) Iran Tehran 2/11/2004 R.Gholamniya, A. Khavanin,

12 Methyltert-butyl Ether (MTBE) Degradation by a Microbial Consortium. E American Journal of Environmental Sciences 1 1 69-73 USA New York 2005 SBMortazavi, A.Nikpey, A.Rezaee, A.Khavanin and H.Kazemian

13 Analysis of Working Postures in Iron and Steel Industry Workers Using Computerized OWAS Method P

Behbood Journal- The Scientific Quarterly

Spring 93-104 Iran 2007 F.Sadeghi L.Barati

14 Degradtion of MTBE using fenton reagent. E Iran.J. Environ. Health. Dci.

Eng 2 Spring 3 195-200 Iran 21/3/2005 A.Khavanin, SBMortazavi, A.Rezaee, SMMusavian

15 Safety analysis of a corn processing industry by energy trace and barrier analysis method: a case study P

Iran occupational health journal Spring 2 48-55 Iran 21/3/2005 Mostafa Booya Shirazeh Arghami

16 Assessment of factors associated with explosion of gas-fuel in fire-tube boilers P

Journal of Qazvin University of Medical Sciences 10 winter 4 58-63 Iran Qazvin 2007 H Asilian, A Valadkhani, S.B Mortazavi, M Salem, A Khavanin

17 Biotrickling filtervof contaminated Air with methy tert butyl ether using lava rock media

E Jornal of Appiied Sciences Research 2 7 41423 2005 A.Khavanin, , A.Rezaei ,H .Asilian , SBMortazavi, A.Nikpay

18 Metallic Mercury Vapour and Particulates Pollution in a Petrochemical Company Behbood Journal- The Scientific Quarterly

- 19 Degradation of MTBE using fenton reagent Iran. J. Environ. Health. Dci. Eng 2 3 195-200 2005 A.Khavanin, , S M.Mousavian , A. Rezaei , H. Asilian SBMortazavi,
- 20 Methyltert-butyl Ether (MTBE) Degradation by a Microbial Consortium. American. J. of Environmental Sciences. Health. Dci 1 1 73-69 2005 SBMortazavi-A.Nikpey-A.Rezaee-H.Asilian-A.Khavanin-H. Kazemian
- 21 Fluoride compounds and their biological effects in aluminum potroom International Journal of Environmental Science & Technology 1 3 179-184 2005 SJShahtahery-H.Asilian - Kharimiki
- 22 Examining the Determinants of Occurrence of Accidents at the Construction Phase in Oil, Gas and Petrochemical Projects: (a Gas Study of Assaloyeh) Journal of Applied Sciences 7 7 1088-1092 2006 SBMortazavi-A.Zaranejad-M. Zaranejad - H.Asilian
- 23 THE ENVIRONMENTAL STUDY OF AIRBORNE SULPHATES IN A PETROCHEMICAL COMPLEX Environmental sciences and technology 9 Spring 1 17-22 2006 ASILIAN H. , KHAVANIN A. , MORTAZAVI S.B. , FAGHIHZADEH S. , YARAHMADI R.
- 24 Measurement of Physical work capacity (PWC) for Iranian Military Personnel in Different Condition Chamber Laboratory Clime (Normal and Very Heat Humid) The journal of military medicine 1 Spring 9 67-72 Iran 2007 Valipour F., Khavanin A. , Asiliyan H., Pourtaghi Gh. H., Mohebi H. A., Jonaidi N., Naghizadeh M. M., Momayezi A. and Alavi H. S.
- 25 Identification and Safety Assessment of the hazardous zones (Unwanted Energy Flows) in an Construction \_Project at the National Petrochemical Company. Journal of Applied Sciences 7 Spring 19 2769-2775 Iran 2007 A. Zaranezhad, S.B.Mortazavi, A.Khavanin
- 26 The removal of color and COD from wastewater containing water base color by coagulation process. Int. J.Environ Sci. Tech 3 2 Iran Sh. Moradian fard, S.B.Mortazavi, A.Khavanin
- 27 Assessment of bagging operators exposure to with PVC airborne particulates Iran. J. Environ. Health. Dci. Eng 5 Autumn 3 187-194 Iran 2008 Naserinejad, S.B.Mortazavi, A.Khavanin MJ.Jafari , AR. Dehdashti,
- 28 Evaluation of correlation between emission of sulfur oxides and sulfuric acid mists and workers personal exposure in a petrochemical complex R. Yarahmadi , SB. Mortazavi , H. Asiliyan, A. Khavanin , P. Moridi
- 29 The Journal of Babol University of Medical Sciences
- 30 Identification and Assessment of Human Errors in SRP Unit of Control Room of Tehran Oil Refinery Using HEIST Technique) Behbood Journal- The Scientific Quarterly 12 Autumn 3 308 - 332 Iran Kermanshah 2007 SB. Mortazavi , S. Mahdavi, H, Asilian,

Sh.Arghami,  
Reza. Gholam Nia

31 ASSESSMENT OF POTENTIAL CHANGES IN AUDITORY BRAIN STEM RESPONSE OF RABBIT AFTER EXPOSURE TO MOBILE PHONE WAVES AND POSSIBILITY OF ADAPTATION DANESHVAR MEDICINE. 15 APRIL-MAY 11-16 Iran Tehran 2008 KHAVANIN A. , NAJAFI PARVIN , PILEHVARIAN A.A. , ASILIAN HASAN , AKBARI MAHDI , GHODS SH.

32 Behbood Journal- The Scientific Quarterly

33 Consequence analysis of toxic chemicals release from petrochemical feed and product pipelines network

The Journal of Qazvin University of Medical Sciences

12 winter 4 13-18 Iran Qazvin 2009 M. Jabbari Gharabagh, H. Asilian, SB. Mortasavi, A. Zarringhalam, E. Hajizadeh, A. Khavanin

34 The effect of microwave radiation on rabbit's hearing

The Journal of Qazvin University of Medical Sciences

12 Autumn 3 45-51 Iran Qazvin 2008 A Khavanin, P Najafi, AA Pilehvarian, H Asilian, M Akbary, Sh Ghods

35 Journal Of Zanjan University Of Medical Sciences And Health Services

6 SUMMER 2 Iran Zanjan 2009 M.Ghalenovi

H.Asilian,

SB.Mortazavi

S.Varmazyar

36 DEGRADATION OF TRANSFORMER OILS BY PHOTOLYSIS IN ORDER TO REDUCE OCCUPATIONAL AND ENVIRONMENTAL HAZARDS Journal Of Zanjan University Of Medical Sciences And Health Services

17 Autumn 68 35-43. Iran Zanjan 2009 H.Asilian,

R.Gholamnia,

A.Rezayi,

A.Joneidi Jafari,

A.Khavanin,

E.Darayi

37 THE COMPARISON OF SOLVENTS EFFECT ON PHOTOLYSIS OF PCB COMPOUNDS FOR REDUCING THEIR HAZARDS IN ENVIRONMENT ARAK MEDICAL UNIVERSITY

JOURNAL(AMUJ) 13 SUMMER (2 (51)) 1-8. Iran Arak 2010 H.Asilian,

R.Gholamnia,

A.Rezayi,

A.Joneidi Jafari,

A.Khavanin,

E.Darayi

38 Comprehensive risk assessment and management of petrochemical feed and product transportation pipelines . Jornal of loss prevention in the process

industries 22 4 1-7 Holland 2009 Moosa Jabbari , Hassan Asilian ,

SB. Mortazavi,

A.Zarringalam,  
E Hajizade, Mohammad ,  
Ali Khavanin

39 Occupational Exposure to perchloroethylene in Dry-cleaning Shop in Tehran, Iran  
Industrial Health 47 2 155-159 Japan 2009 Azimi pirsaraei,  
A.Khavanin,  
H.Asilian,  
A. Soleymanian

40 Toluene vapor treatment integrating microwave irradiation and Granular activated  
carbon Journal of Applied Sciences in Environmental  
sanitation 7 N 218-2006 Indonesia 2009 A.Dehdashti,  
A. Khvanin,  
A.Rezaee,  
H.Asilian,  
A. Soleymanian

41 Examination of the optimized conditions for the Conversion of NO<sub>x</sub> Pollution in DBD-Plasma  
Reactor (191). Iran J. Chem & Chem. Eng. 29 2010 SB.Mortazavi,  
M.Omidkhah,  
H.Asilian,  
P. Moridi

42 EVALUATION OF CHLORINE DISPERSION FROM STORAGE UNIT IN A PETROCHEMICAL  
COMPLEX TO PROVIDING AN EMERGENCY RESPONSE PROGRAM Iran occupational health  
journal 8 FALL 3 68-77 Iran 2011 SB.Mortazavi,  
H.Asilian,  
M.Parsarad,  
A.Khavanin,

43 The Journal of Arak University of Medical Sciences  
Accepted H.Asilian,  
R.Tajik  
A.Joneidi Jafari,  
A.Khavanin,

**Articles presented in Seminars, Symposiums, Conferences and Congress in Iran**  
**Row Paper title Paper summary Full**  
**paper Seminar Symposium Conference Congress Date Place**  
**year month country city**

**2 Effects of carbon black on workers of the rubber industry. \* The second national  
Congress of Occupational Health 92 Iran Esfahan Gholamhosein sohrat Sanaei -  
Faghihzadeh**

**3 Assessment of cotton dust and its Impact on the respiratory capacity and body**

temperature in a textile industry. \* the third national congress of poisoning 92 15-19 October

Iran Mashhad University of Medical Sciences Rmezan mirzai

4 Risk assessment of a distillation tower in a refinery \* Seminar of safety in oil industry 94 July Iran Tehran Masoud Ghanbari

5 Evaluation of Flvyvrv and its compound breathing air that allogeneic blood Ayvzyvfyl among an aluminum reduction plant workers

\* **The first international symposium on environment 1999 September Iran Tehran KN Toosi University Jamal al-Din Shah taheri**

Reza Karimikiya

6 Measurement and evaluation of occupational and environmental exposure with fluoride compounds in the aluminum industry in Iran \* The first international symposium on environment 2000 16-18

January Iran Tehran KN Toosi University

7 Measurement and evaluation of fluoride compounds and assessment of its biological effects resulting from occupational exposure to aluminum reduction industry in Arak. \* The 7th Conference on Toxicology and poisoning 2001 April

Iran Isfahan Jamal al-Din Shah Taheri,

Reza Karimi Kia

8 Comparison of contact with dust in the cotton textile industry, synthetic fiber and its relationship with changes in respiratory capacity \* The first National Conference of Occupational Medicine and work related diseases 2003 January 15 Iran Isfahan Rmezan mirzai

9 The lead content of workers hair in a lead extraction industry in Zanjan \* The first National Conference of Occupational Medicine and work related diseases Iran Isfahan Reza Azimi Pirsrai

10 Measurement and monitoring of fluoride compounds and their biological effects caused during occupational exposure in aluminum potroom arka aluminum factory 2002 May Iran Isfahan Seyed Jamaleddin Shataheri.

Reza Karimi-Kia

11 Evaluation of lead and tin solder workers and their respiratory lung function in an electronics industry Mr. \* National Conference on Environmental Health 2003 October 22-24 Iran Saari Qeys Rakhshan, Bagher mortazavi, Ali Khvanin, Ardalan Soleimanian

12 Quantitative evaluation and assessment of sulfur oxides in the workplace- Urmia petrochemical complex

\* First congress on air pollution clean air report 2003 October Iran Tehran Bagher mortazavi, Ali Khvanin  
Rasool Yarahmadi

### **13 Evaluation and assessment of environmental airborne sulfates in Urmia petrochemical complex**

**\* First congress on air pollution clean air report 2003 October Iran Tehran Bagher mortazavi, Ali Khvanin  
Rasool Yarahmadi**

### **14 Providing a convenient method for determination of total nickel in human blood**

**\* The 7th Iranian congress of biochemistry 2004 January**

**26-29 Iran Ahvaz university of medical sciences**

**Mesbah A, Solimani A, and Soleimani E.**

### **15 Evaluation of biological monitoring among two large plating workshops workers in west of Tehran.**

**\* The 7th Iranian congress of biochemistry 2004 January**

**26-29 Iran Ahvaz university of medical sciences Soleimani A - Mesbah Namin AS -**

**Soleimani A - Afshar A-**

**Jameyi P-**

**Nayebpoor -H**

### **16 Evaluating the effects of 4 - 4 - Metlin diphenyl diisocyanate (MDI) vapors on workers of foam making unit of an automobile industry. \* The 2nd congress of preventing non-communicable diseases. 2004 March**

**7-9 Iran Bagher mortazavi, Moosa Jabbari Gharabagh, Ali Khavanin, Ardalan Soleimani**

### **17 Anthropometry of male students (6 to 17 years old) in Seistan and Baluchestan Province. \* XVth Triennial congress of the International Ergonomics**

**Association 2004 Iran Sistan and Baluchestan Mirzaee, Lahmi, Mortazavi, Khavanin**

### **18 Evaluation of Hexavalent chromium (soluble and insoluble in water) causing lung cancer in workplace dusty air of the loading unit of a portland producing cement factory type pozzolanic.**

**\* 4 National Conference of Occupational Health 2004 October**

**4-6 Iran Hamedan Mohammad Reza Khorram-Zadeh,**

**Ali Khavanin, Bagher mortazavi Ardalan Soleimani**

### **19 Review of NOX control by natural and synthetic zeolites. \* Fourth National Conference of Occupational Health 2004 October**

**4-6 Iran Hamedan Rasool yarahmadi, Bagher mortazavi,**

**Ali Khavanin,**

**Abbas Rezai**

### **20 Designing and construction of dynamic system of gas and vapor production of chemicals.**

**Fourth National Conference of Occupational Health 2004 October**

**4-6 Iran Hamedan Ahmad Nikpey,**

**Bagher mortazavi,**

**Khavanin Ali,**



**Abbas Rezai, Ardalan Soleimanian, Hossein Kazemian,**  
**21 Assessment of diphenyl methane diisocyanate in air in a foam making unit of an**  
**automobile industry. \* Fourth National Conferen of Occupational Health 2004 October**  
**4-6 Iran Hamedan Bagher mortazavi,**  
**Moosa Jabbari Gharabagh, Ali Khavanin, Ardalan Soleimanian**  
**22 Catalytic conversion of MTBE to materials with better biological decomposition**  
**properties in contaminated waters. \* 7th National Environmental Health**  
**Conference 2004 September**  
**14-16 Iran Shahr-e-kord Ahmad Nikpey,**  
**Bagher mortazavi,**  
**Ali Khvanyn,**  
**Abbas Rezai, Ardalan Soleimanian, Hossein Kazemian,**  
**23 Effect of temperature and inlet gas velocity and high solids loading in the cyclone inlet**  
**pressure drop. \* 7th National Environmental Health Conference 2004 September**  
**14-16 Iran Shahr-e-kord Ahmad SabzAli, Maryam Sadat Sadati,**  
**Roya Mirzai,**  
**Mitra Gholami,**  
**24 Evaluation of heat stress control in brick manufacturing furnaces. \* National**  
**Conference of Occupational Health Students 2004 December**  
**28-29 Iran Tehran**  
**(Iran University of Medical Sciences ) Mehran Ghalevivi, Bagher mortazavi,**  
**Ali Khvanyn,**  
**25 Assessing the risk of fire in medical centers. \* The Congress on health, treatment and**  
**disaster management in Iran, 2004 Iran Tehran (Baghiyatallah University of Medical**  
**Sciences) Mohammed Salem, Gholam hossein Poortaghi**  
**26 Large airports security personnel exposure with aerosols in Iran. \* 3th Congress of**  
**Military Medicine. 2006 March**  
**4 Iran Tehran Firouz Valipour Ardalan Soleimanian**  
**Hassan Asilyan - Mahnaz Mazahebi**

**27 Investigation of three-year record of suspended particles and carbon monoxide**  
**concentrations in Tehran air. \* Conference on Environmental**  
**Engineering 2007 Winter Iran Tehran Abolfazl Ajdarpour,**  
**Hassan Asilian**

**28 Analytical assessment of pollutants of air pollution index in \* Conference on Air**  
**Pollution and its Effects on Health.**  
**2007 Winter Iran Tehran Abolfazl Ajdarpour,**  
**Hassan Asilian**

**29 Identification and assessment of human error due to design errors in sulfur recovery**  
**unit of a refinery using HEIST technique. \* The first International congress of the risk**  
**management 2007 November Iran Tehran Bagher mortazavi,**  
**Sakineh Mahdavi ,**  
**Hassan Asilian, Shirazeh Arghami**

**30 Human error analysis of control room operators in a petrochemical complex using**  
**HEART technique.**

**\* The first International Conference on Ergonomics 2008 May**  
**17 Iran Tehran Mehran Ghalevivi, - Hassan Asilian - Sayed Bagher Mortazavi ,**  
**Sakineh Varmazyar**

**31 The use of a simple method for designing reflective muffler to reduce noise of internal combustion engines exhaust. The Second Conference on Environmental Engineering 2008 May**

**17 Iran Tehran Ali Khvanyn,**

**Ehsan Hajj Azimi , Hasan Asilian, Sayed Bagher Mortazavi ,Ardalan Soleimanian , Mohsen Omidvar**

**32 Investigating the factors affecting the purifying nitrogen oxides in a cold plasma reactor. Second Conference on Environmental Engineering 2008 May**

**17 Iran Tehran Rasool Yar Ahmadi ,Sayed Bagher Mortazavi ,**

**MR Omidkhah , Hassan Asilian**

**33 Designing a comprehensive industrial ventilation calculation software Second Conference and exhibition on Environmental Engineering 2008 May**

**17 Iran Tehran Mohsen Omidvar ,Hasan Asilian ,Abbas Rezaei**

**34 Investigating the activity and thermal stability of gold nanoparticles in NH<sub>4</sub>-Y reaction on the zeolite basis of oxidation of carbon monoxide. Second Conference and exhibition on Environmental Engineering 2008 May**

**17 Iran Tehran Saeed Jafari ,**

**Hasan Asylyan, Hossein Kazemian**

**35 Investigating the factors influencing the purification of nitrogen oxides in a cold plasma reactor. 12th National Conference on Environmental Health, 2009 November Iran Tehran (Shahid Beheshti University of medical sciences School of Public Health) Rasul Yar**

**Ahmadi, Sayed Bagher Mortazavi ,**

**MR Omidkhah, Hassan Asilian ,**

**Ali Khavanin**

**Articles presented in foreign countries**

**نام همکاران The date Place to be held Congress conference Seminar Titel row**

**Year Month Country City**

**SANAI,G.H.**

**MOHAMADI-POUR,MJ.**

**KHAVANIN A. 1996 SEPT 15-20 STOCHOLM Sweden 25th International Congresson Occupational Perc(C<sub>2</sub>CL<sub>4</sub>) concentration in Tehran dry-cleaning workshops&biological evaluation of I is metabolite(TCA) in the workers urine. 1**

**A.Allameh,M.S.Hosseini 1996 SEPT 15-20 STOCHOLM Sweden 25th International Congresson Occupational Measurement of benzo[A]pyrene in carbon blac and respiratory air samples in a tyre factory 2**

**Azimi Pirsarai .**

**Sanai GH.**

**1996 14-17**

**October Egypt International Conferenceon Health ,Environment and Development Evaluation of exposure level to tetrachloroethylene using expired air analysis in dry -cleaning workers in Tehran. 3**

**Seyed Jamaledin Shataheri.**

**Reza Karimi-Kia 2002 29 April Barcelona Institut Municipal investigacio**

**Medical.IMIM \* Measurement and monitoring of fluoride compounds and their biological effects caused during occupational exposure in aluminum potroom. 4**

**Mortazavi,Sayed Bagher**

**Faghihzadeh,Soghrat and Salem,Mohammad 2003 22-26 June Italy Modena Conference of**

**the European Clay Group Association Removal of Ammonia from Air by Modified Zeolites (Clinoptilolite), Using Ion-Exchange Technique**

**5**

**Mirzaii Ramazan.**

**Lahmi Mohamadali.**

**Mortazavi Bagher .**

**Khavanin Ali 2003 August**

**24-29 Korea Seoul XVth Triennial Congress of the International Ergonomics**

**Association \* Anthropometry of boy students (6 to 17 years old) in seistan And Bluchistan Province of Iran**

**6**

**M.Boya**

**2004 17 Feb Safety 2004**

**Safety analysis of a food industry by energy trace and barrier analysis method (ETBA) in iran-a case study.**

**7**

**R.Qolamnia – S.B.Mortazavi, Y.Rasulzade- A. khavanin 2006 Japan Workshop**

**E Epidemiology and Public Health Are the Asbestos Substitutes Hazardous as well? 8**

**Research projects conducted**

**The site of the project Executive Partner Date of conducting the project Project title row completion Beginning**

**Imam Khomeini port 1999 1998 Environmental assessment of special economic zone of Mahshahr**

**1**

**Asalouyeh port 1999 1998 Environmental assessment Assaluyeh zone**

**2**

**Kharazmi industrial town (Mashhad) 1999 1998 Environmental assessment of petrochemical plant in Kharazmi industrial town**

**3**

**Uromia and Tabriz Petrochemical Complexes. 2000 1999 Qualitative and quantitative evaluation of atmospheric pollutants in Uromia and Tabriz Petrochemical Complexes.**

**4**

**Firoozkooh industrial town 2001 2000 Environmental assessment of Firoozkooh industrial town.**

**5**

**Nsirabad (Tehran) 2003 2000 Environmental assessment of petrochemical plant in Nsirabad industrial town. 6**

**University**

**Biologically color removal from textile effluent. 7**

**Mashhad Biologically color removal of textile wastewater for industrial scale. 8**

**Asalouyeh and Mahshahr to be continued 2002 Supervising and inspecting the construction activities of Assaluyeh, Mahshahr and kermanshah petrochemical complexes (I, II, III) 9**

**Siahbishe to be continued 2003 Supervising and inspecting the construction of pump house storage of Siahbishe (I, II) 10**

**Ilam to be continued 2003 Supervising and inspecting Ilam Petrochemical project progress and its compliance with environmental concerns.**

**11**

**Khark island 2003 2003 Environmental assessment of Kharg Petrochemical plant 12  
Hamedan to be continued 2005 Supervising and inspecting the progress of Hamedan -  
Bijar 48-inch gas pipeline transmission project and its compliance with environmental  
concerns. 13**

**Tehran 2006 Designing and supervising the construction and operating waste water  
treatment system of Tehranpars hospital.**

**14**

**Tehran 2006 Remove of MTBE from the air by integrating catalytic converter and  
biological analysis methods in the adherent substrate growth. 15**

**Khark Island 2007 Environmental assessment of conducting petrochemical projects in  
Khark island.**

**16**

**Anzali Port 2007 The use of expert services in the preliminary study - safety evaluation of  
the production line in Shahid Joolayi boat manufacturing company.**

**17**

**Kharazmi Industrial Town 2007 The use of expert services in the environmental  
assessment of Kharazmi industrial town based on the consumption pattern of the Supreme  
Council of Environment Protection**

**18**

**The list of thesis**

**Row List of Thesis The date of Defense**

**MS / PhD Student's name Professor supervisor consultant**

**Environmental health Occupational  
health**

**1 Static anthropometric characteristics of male senior high school students (age range  
18-14 years) Tehran Educational District 2 to design benches and desks**

**1993 MS Rezvani Trishizi- Ahmad Dr Mohamad Lahmi Dr Ebrahim Hajizadeh  
Hassan Asilian**

**2 Assessment of the Impact of cotton dust on respiratory capacity and the body  
temperature of exposed individuals and presenting control methods MS Mirzaei  
Ramezan Dr Samad Ghazayi Hassan Asilian**

**3 Cytogenetic studies of individuals exposed to thinners and aromatic  
solvents 94 MS Arghami -Shirazeh Dr Hosein Frdarani Hassan Asilian  
Dr Naser reza Arghami**

**4 Risk assessment of distillation tower of Kermanshah refinery and presenting appropriate  
solutions 95 MS Ghanbari Kakavandi -Masood Dr Javad Adl Hassan Asilian**

**5 Determination of carbon tetrachloride (chloroethilenel) in Tehran laundries and evaluating  
its biological effects based on the evaluation of its metabolite trichloroacetic acid  
(TCA) 95 MS Mohammadi Pur -Jawad Dr Gholam hosein Sanaei Hassan Asilian**

**6 Comparative evaluation of the wood dust and its effects on workers of carpentry  
workshops in a furniture factory and designing the appropriate control  
methods MS Hassani Hassan Asilian**

**7 Extraction and measurement of Bnzvalfa Pyn in carbon black in workers breathing zone  
MS Hosseini -Mohammad Sharif Hassan Asilian**

**8 Evaluation of Noise levels in Tehran milk and dairy plant of (the bottle filling) and**

**evaluation of hearing loss among exposed workers 97 MS Zain al Abedin Ghanbarzadeh Alamdari Ali Khvanin Hassan Asilian**

**9 Evaluation of the amount of chlorine in a chemical plant (Tehran water and waste water company), and its negative effects 97 MS Molavi Ali Dr Gholam hosein Sanaei Hassan Asilian**

**10 Comparative assessment of the workers' exposure with respirable dust in cotton textile industry (cotton, artificial fibers) and its relationship with changes in workers' respiratory capacity 97 MS Rismanchian -Masoud Dr Ali asghar Farshad Hassan Asilian**

**11 Investigation of the total lead and zinc dust in mines of Sarbandar city and their respiratory effects. 97 MS Samadi Sadegh Dr Gholam reza Deylami Hassan Asilian**

**12 Evaluation of benzene vapors in air and its metabolites in urine and its possible relationship with certain blood factors in an industry producing aromatic hydrocarbons by providing the necessary control procedures MS Hashemi -Jahanbakhsh Dr Gholam hosein Sanaei Hassan Asilian**

**13 Comparison of nickel fumes between an industrial and a traditional electroplating workshop 98 MS Samari - Saeed Dr Seyed Bagher Mortazavi Hassan Asilian Dr Amir Hosein Matin**

**14 Evaluating the respiratory effects of formaldehyde and its respiratory effects on workers in a .....manufacturing industry 97 MS Rangkooi- Hossein Ali Dr Gholam hosein Sanaei Hassan Asilian**

**15 Comparative evaluation of methyl diisocyanate (MDI) and its respiratory effects on the workers of a refrigerator manufacturing company. 97 MS Soleimanian- Ardalan Dr Samad Ghazayi Hassan Asilian**

**16 Qualitative and quantitative evaluation of fumes from manual welding in an automotive industry. 2000 MS Miri Estakhrposhti- Seyed Yahya Dr Seyed Bagher Mortazavi Dr Hassan Asilian**

**17 Investigating the relationship between existing malathion in the air in production line of a pesticide formulator production factory and cholinesterase blood concentration 97 MS Rostampour Vajari- Maryam Dr Abdol Amir Alame Hassan Asilian**

**18 A study of sensitivity towards wheat flour among workers of Yasouj wheat flour company 98 MS Sotoode- Mohammad Dr Ahmad Zavaran Hosseini Hassan Asilian Shahla Rudbar Mohammadi**

**19 Biological evaluation of workers' occupational exposure in a sodium nitrate production industry 98 MS Gandomkar -Alireza Dr Mansoor Rezazadeh Azari Hassan Asilian**

**20 Evaluating, analyzing and improving working postures in Esfahan tile manufacturing company employing OWAS methodology. 98 MS Ismailian Dastjerdi- Alireza Dr Seyed Bagher Mortazavi Hassan Asilian**

**Hssan sadeghi Naeeni**

**21 Quantitative evaluation of ammonia in workers' breathing air in Urmia petrochemical company and presenting appropriate solutions. 2000 MS Ali Behroozi Dr Gholam hosein Sanaei Dr Hassan Asilian**

**22 Evaluating and measurement of fluorine and its compounds in breathing air and its impact on workers blood eosinophils rate in an aluminum reduction plant. 2000 MS Karimi Kia- Reza Dr jamaledin Shahtaheri Dr Hassan Asilian**

**23 Investigating benzene level in Tabriz petrochemical industry. 2000 MS Nikpey- Ahmad Dr Seyed Bagher Mortazavi Dr Hassan Asilian**

**24 Evaluation of occupational exposure to rock wool fibers and assessment of respiratory capacity resulting from its inhalation of a single production unit. 2003 MS GholamNia -Reza Dr Seyed Bagher Mortazavi Dr Hassan Asilian**

**25 Investigation and Evaluation of environmental and biological levels of lead among workers of an urban service in the areas of heavy traffic in Tehran. 2002 MS Meshkinian- Ali Dr jamaledin Shahtaheri Dr Hassan Asilian**

**26 Investigation of 4, 4 diphenyl methane diisocyanate (MDI) in air and evaluation of its respiratory effects on workers at an automotive company. 2003 MS Jabari - Moosa Dr Seyed Bagher Mortazavi Dr Hassan Asilian**

**27 Evaluation of nickel compounds concentrations in air and biological fluids (blood and urine) of workers in a traditional plating factory in west of Tehran. 2003 MS Soleimani -Ebrahim Dr Alireza Mesbah Namin Dr Hassan Asilian**

**28 Safety risk assessment by using ETBA methodology in a glucose production company and providing control measures to prevent accidents from occurring. 2004 MS Booya -Mostafa Dr Hassan Asilian  
Dr Seyed Bagher Mortazavi**

**29 Evaluating the risk of explosion in boilers of glucosan factories 2004 MS Valadkhani- Amir Dr Hassan Asilian  
Dr Seyed Bagher Mortazavi  
Mohamad Salem**

**30 Evaluation of ergonomic stress caused by manual handling of goods according to NIOSH manual handling methods the equation in packaging unit of Behshahr industrial group. 2006 MS Hssan sadeghi Naeeni Dr Mohamad ali Lahmi Hassan Asilian  
Ali khavanin**

**31 Comparison of the efficiency of Fenton oxidation methods, titanium dioxide and coagulation (alum, ferrous sulfate and lime) in the removal of aqueous based dyes from solutions. 2004 MS Moradian Shahla Dr Hassan Asilian**

**32 Removal of MTBE from polluting the air with integrated catalytic converter and biological methods 2005 PhD Nikpey - Ahmad Dr Seyed Bagher Mortazavi Dr Abbas Rezai Dr Hassan Asilian**

**33 Safety evaluation of one of the implemented national petrochemical company projects using ET & BA (Assaluyeh study). 2005 MS Zranejad- Abbas Dr Hassan Asilian**

- 34 Human error safety analysis of control room operators in the petrochemical industry using HEART technique. 2005 MS Mehran-Ghalenovi Dr Hassan Asilian**
- 35 Using HAZOP technique to assess the risk of hydrogen flammability and explosion in the hydrogenation unit of vegetable oil production in Margarine company. 2005 MS Momayezi Marjerdi-Morteza Dr Hassan Asilian**
- 36 Determining the functional properties of the existing hoods in research centers affiliated to the oil industry in order to determine the appropriate face velocity and presenting solutions. 2005 MS Khosro Shahi Lahijani- Sarah Dr Ali Khvanin Dr Hassan Asilian**
- 37 Assessment of physical work capacity of Baghiyatolah university personnel in different laboratory climate conditions in (normal, hot and cold and wet and dry) 2005 MS Valipoor- Firooz Dr Seyed Bagher Mortazavi Dr Hassan Asilian**
- 38 Investigating the efficacy of ozone in the stabilization of urban sewage sludge. 2006 MS Jamal- Akram Dr Seyed Gholam Reza Mousavi Dr Hassan Asilian**
- 39 CO oxidation using nanoparticles of gold on top of the zeolite base. 2007 MS S. Jafari Maymand Dktrhsn Aslyan Dr Hassan Asilian**
- 40 Filtration and removal of nitrogen oxides from the air using a combination of plasma - chemical processes. 2007 PhD Yarahmadi - Rasool Dr Seyed Bagher Mortazavi Dr Hassan Asilian**
- 41 Designing a local industrial ventilation calculation software based on the velocity pressure computational methodology. 2007 MS Omidvar- Mohsen Dr Hassan Asilian**
- 42 Application of Iranian natural zeolite, Klinoptilolait, in the removal of gaseous NO<sub>2</sub> pollutants from the air  
2007 MS Mafreshi -Azade Dr Hassan Asilian**
- 43 Decomposition of Skarl oil (the mixture of tri and tetra chlorobiphenyl) using Photolysis. 2007 PhD Gholam Nia-Reza Dr Hassan Asilian**
- 44 Using microwave and granular activated carbon to Remove the toluene vapors in a laboratory scale. 2007 PhD Dehdashti- Alireza. Dr Ali Khavanin Dr Hassan Asilian**
- 45 Providing a comprehensive method for assessing and managing risks associated with petrochemical pipelines network (product feed) 2007 PhD Jabari - Musa doctor Dr Hassan Asilian Dr Seyed Bagher Mortazavi**
- 46 Identification and assessment of human error in the control room of sulfur recovery unit of Tehran oil refinery by using HEIST methodology. 2007 MS Mahdavi- Sakineh Dr Seyed Bagher Mortazavi Dr Hassan Asilian**
- 47 Assessment of occupational exposure to airborne particles of polyvinyl chloride and the presenting appropriate controlling in strategy. 2007 MS Nasserinejad Dr Hassan Asilian Dr Seyed Bagher Mortazavi**
- 48 Assessing and controlling the noise from motor cycle exhaust pipe. 2007 MS Hajazimi-Ehsan Dr Ali Khavanin Dr Hassan Asilian**
- 49 The study of the use of sludge from water treatment process at the removal of Reactive Red 198 dye from aqueous solution 2009 MS Mahmoudi -Sayede Maryam Dr Hassan Asilian Dr Seyed Gholam Reza Mousavi**

- 50 Analysis of dimensional models based on censored MS Hosseinpoori -Mehdi Dr Hassan Asilian khaledi
- 51 Decomposition of Skarl oil compounds using photolysis method in order to reduce the PBC occupational and environmental hazards. 2010 PhD Gholamnia - Reza Dr Hassan Asilian Dr Ali Khavanin Dr Ahmad Joneidi
- 52 Investigation of chlorine emissions from storage tanks at a petrochemical plant and presenting emergency response programs. 2010 MS Parsarad -Abdolmajid Dr Seyed Bagher Mortazavi Dr Hassan Asilian
- 53 Analyzing the environmental impact assessment patterns and designing a knowledge network to evaluate the environmental impact assessment in Iran. 2010 MS Majid makhdoom Dr Hassan Asilian
- 54 Investigating the relationship between safety climate and safety behavior in a massive construction site, building 600 units. 2011 MS Avestakhan - Morteza Dr Seyed Bagher Mortazavi Dr Hassan Asilian
- 55 Evaluation of Benzoalfaprin and its metabolite (I-OHP) in workers' urine (morning shift) in petrol stations of the western part of Tehran. 2011 MS Aleshagh- fereshte Dr Hassan Asilian Dr Ali Khavanin

#### **Inventions and Discoveries**

**row Title Registration date The place Country City**

- 1 Using cold plasma to remove NOx from the air Tarbiat Modarres University Iran Tehran Consultant
- 2 Activating cold nano particles on a zeolite base using CO flow in high temperature Tarbiat Modarres University Iran Tehran Supervisor
- 3 Tarbiat Modarres University Iran Tehran Supervisor

**Row Type of activity Setting up Exhibitions Designing and Setting up laboratories and workshops**

- 1 Professor supervisor / Ghanbarzadeh Alamdari - Zain al Abedin Tarbiat Modarres University
- 2 Professor supervisor / Ghanizade -Ghader Tarbiat Modarres University
- 3 Professor supervisor / Zarooshani - Vida Tarbiat Modarres University
- 4 Professor supervisor / Ahmadizade - Saman Tarbiat Modarres University
- 5 Professor supervisor / Noorshargh - Mohsen Tarbiat Modarres University
- 6 Professor supervisor / SabzAli -Ahmad Tarbiat Modarres University
- 7 Post Graduate Representative /Defending a thesis/Seyed Mohammad Mousavian Tarbiat Modarres University
- 8 Professor supervisor / Poortaghi- Gholamhosein Tarbiat Modarres University
- 9 Professor Supervisor / Mohammad Taghi Qanyan Tarbiat Modarres University
- 10 Professor supervisor / Goodini- Hatam Tarbiat Modarres University
- 11 Speeches at seminars and congresses Qazvin province, the Health and Safety and Environment Conference



- 12 lecture in one -day Congress Tehran University of Medical Sciences
- 13 lecturer at the Seventh National Environmental Health Conference Shahrekord University of Medical Sciences
- 14 Reviewer of the publishing books with the publication council Pasteur Institute of Iran
- 15 Member of the Scientific Committee of the Conference Department of Health, Tehran University of Medical Sciences
- 16 Lecture Shahid Beheshti University
- 17 Post Graduate Representative /defending a thesis /Alizadeh- Rahime Tarbiat Modarres University
- 18 Member of the Committee of developing new energies technology Environmental Protection Agency
- 19 Member of the Environmental and occupational Health Specialized Committee Tarbiat Modarres University
- 20 Member of the Research Commission Environmental Protection Agency
- 21 Member of the trustee lab Committee Environmental Protection Agency
- 22 Deputy Director of Environmental Organization Environmental Protection Agency
- 23 Director General of Bureau of Environmental Assessment Environmental Protection Agency
- 24 Member of Scientific Board in distinguishing the upgrade path Environmental Protection Agency
- 25 Member of the Board of reviewing and handling the administrative violations Environmental Protection Agency
- 26 Member of Strategic Committee on Energy and Air Pollution National Committee of Sustainable Development
- 27 Scientific member of the board in distinguishing the upgrade path Environmental Protection Agency
- 28 Member of Editorial board of Journal of Environmental Environmental Protection Agency
- 29 Head of the Human Environment Deputy of the Organization Environmental Protection Agency
- 30 Certificate of the course of sustainable development Management and Planning Organization
- 31 Staff member of developing new energies technology Science and Technology Vice President
- 32 Chief organizer of the Seventh International Exhibition on Environment Environmental Protection Agency
- 33 Member of the Council of Policy Makers of the National Quality Award .... Standard and Industrial Research Institute of Iran
- 34 Scientific member of the board in distinguishing the upgrade path Environmental Protection Agency
- 35 The Chairman of Organizing Committee of the eighth International Exhibition on Environment Environmental Protection Agency
- 36 Member of Strategic Committee on Energy and Air Pollution National Committee of Sustainable Development
- 37 Responsible for comprehensive plans to reduce air pollution in Tehran Environmental Protection Agency
- 38 Environmental management of the climate Environmental Protection Agency
- 39 Environmental management of the climate Environmental Protection Agency

- 40 Waste management Environmental Protection Agency**
- 41 Creating a comprehensive system of environmental monitoring Environmental Protection Agency**
- 42 Investigation and protection of human environment Environmental Protection Agency**
- 43 Reducing the gasoline and gas oil consumption in order to protect the environment - Optimization of energy consumption Environmental Protection Agency**
- 44 .....Waste management plans Environmental Protection Agency**
- 45 Create a comprehensive system of environmental monitoring Environmental Protection Agency**
- 46 Investigation and protection of human environment Environmental Protection Agency**
- 47 Reducing the gasoline and gas oil consumption in order to protect the environment - Optimization of energy consumption Environmental Protection Agency**
- 48 Member of Strategic Committee on Energy and Air Pollution National Committee of Sustainable Development**
- 49 The chief organizer of the clean air week Environmental Protection Agency**
- 50 Comprehensive plan to reduce air pollution in Tehran Environmental Protection Agency**
- 51 Chief organizer of the ninth International Exhibition on Environment Environmental Protection Agency**
- 52 The head of Occupational and Environmental Health Engineering Department Tarbiat Modarres University**

1 The prevalence of back pain in different situations \* Seminar on ergonomics of backbone 91 July Iran Defense Industries Tehran Ramadan Mirzaei - Ali Khvanin