



Curriculum Vitae (C.V)

Dr. Hassan Hashemi

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Personal Information

- **Name:** Hassan
- **Surname:** Hashemi
- **Date of birth:** 21 March 1983
- **Academic Position:** Assistant Professor
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Academic Education and Qualifications

- B.Sc (2007), M.Sc (2009), Ph.D (2014) in Environmental Health Engineering, Isfahan University of Medical Sciences, Isfahan, Iran

Dissertations

- **B.Sc:** Effects of Oxytetracycline, Tylosin and Amoxicillin Antibiotics on Specific Methanogenic Activity (SMA) of Anaerobic Biomass. **GPA: 19.5**
- **M.Sc:** Pilot-Scale Studies of Combined Clarification, Filtration, and Ultraviolet Radiation Systems for Disinfection of Secondary Municipal Wastewater Effluent, *Awarded Grant of Water and Wastewater Co.* **GPA: 19.8**
- **Ph.D:** Composting Plant Leachate Treatment by ASBR and MSBR in Pilot Plant. **GPA: 20**

Honors and Awards

- Selected in 2th festival of Iranian Environmental Health Association (IAEH), M.Sc Dissertation part, 2010.
- First class honors in PhD studies, Isfahan University of Medical Sciences.
- Membership of Isfahan Talented Students' Office, Isfahan University of Medical Sciences, 2010-2014
- Selected in 5th festival of the pioneer students, Isfahan University of Medical Sciences, 2010

- Selected in 7th festival of the pioneer students, Isfahan University of Medical Sciences, 2012
- Selected researcher of Isfahan University of Medical Sciences in Targeted Research and Sustainability festival, 2011
- Selected student by Health ministry, 2013- 2014

Research Interests

Environment pollutants and health effects, Environment epidemiology, Environment toxicology, Cohort studies and environmental exposures, Environmental education, Nomadism health, Relationship with industry and society, Water and wastewater treatment processes, Water reuse, Municipal and industrial wastewater treatment, Pollution reduction using indigenous and innovative technologies, Environment biotechnology and microbiology, Food safety, Solid waste reuse and recycling, Environmental nanotechnology, Environmental radiation, Environmental sanitation, Air pollution, Environmental risk assessments, Environmental impact assessment (EIA), Health Impact Assessment (HIA), HSE

Work experiences

- Full time lecturer at Shahrekord University of Medical Sciences, Shahrekord, Iran, 2009 - 2010
- Part time lecturer at Jami Institute Technology, Isfahan, Iran, 2010-2012
- Part time lecturer at Daneshpajohan Institute, Isfahan, Iran, 2010-2012
- Part time lecturer at Isfahan University, Isfahan, Iran, 2011-2013
- Part time lecturer at Isfahan University of Medical Sciences, Isfahan, Iran, 2010-2013
- Membership in Environment Research Center, School of Health, Isfahan University of Medical Sciences, 2010-2014
- Head of Research in Student Research Committee, School of Health, Isfahan University of Medical Sciences, 2010-2013
- Part time consulting expert in Behin Ab Zنده Rood research & consulting engineers, 2012
- Consulting expert of BACO Advanced Mixed Oxidants disinfection system upgrading, 2012
- Part time consulting expert in Pars Arian Ab consulting engineers, 2013
- Consulting expert in Isfahan industrial towns waste management project, 2013
- Consulting expert of Urban water reuse and harvesting for Esfahan's Mobarakeh Steel Co usage project, 2013
- Consulting expert of Boushehr stabilization pound upgrading project, 2013
- Social and cultural activities in student associations, 2008-2014

- Executive manager of the 15th National congress of environmental health, Shiraz, Iran

Courses Taught

a) In University

Air and noise pollution control, Health actions in emergencies, Environment disinfectants, Housing health, Food health, Industrial waste, Vector control, Environmental Impact Assessment, Environmental management, Water and Wastewater treatment microbiology, Water and wastewater treatment processes, Safety and industrial health, Pump and pumping, Hydrology and hydrogeology, Wastewater treatment plant design, Water treatment plant design, Water and wastewater quality, Water and wastewater projects management, Water and wastewater installations, Specialized English in environmental health, Water and wastewater Engineering, Pumping station design, Water distribution networks design, Medical geography

b) In Workshops

- 2015: Interdisciplinary Sciences School, Shiraz: Health effects of dust storms and self care strategies
- 2015: Safety and environmental impacts of natural gas transmission lines, District 2
- 2015: Interdisciplinary Sciences School, Shiraz: environmental challenges of water resources and solutions
- 2014: Industrial solid waste management, Gas Transmission Operation District 6
- 2014-15: Industrial solid waste management, Gas Transmission Operation District 2
- 2012: Advanced search for health students, Isfahan
- 2012: Water pollution, ENVRC, Isfahan
- 2012: Marine Pollution, Lavan Oil Refining Company
- 2012: Sewer Safety, Isfahan water & wastewater company
- 2011: Early Research Encounter (ERE) for health students, Isfahan
- 2011: Water and food health for environmental health practitioners, Isfahan
- 2011: Disinfectants and antiseptics for Physicians, Isfahan health center
- 2009: Hospital Waste management for Physicians, Isfahan health center
- 2008: Wastewater treatment plants upgrading, Isfahan university
- 2007: Water Related diseases, Isfahan health center
- 2007: Preventing the contagious diseases in Dental clinics, Shahrekord health center, Shahrekord health center
- 2006: Research Methodology for health students, Isfahan

Academic conferences and workshops

- 2015: Mental Health, Shiraz University of Medical Science
- 2015: Family Management, Shiraz University of Medical Science
- 2015: Water reuse, Isfahan
- 2014: Entrepreneurship and Marketing Services, Isfahan
- 2013: Scientific thinking and Scientific writing, Isfahan
- 2013: World Environment Day Conference, Environment research center, Isfahan
- 2013: Technical workshop on DNA Extraction, PCR and Gel Electrophoresis, Qom University of Medical Science
- 2012: Environmental economic, Isfahan
- 2011: Water pollution research tour, ENVRC, Isfahan
- 2011: Air pollution and climate change research tour, ENVRC, Isfahan
- 2011: Early Research Encounter (ERE), Isfahan
- 2010: Environmental agents of infertility
- 2009: Workshop on Elsevier, Isfahan
- 2009: National Congress on Health Organizations Preparedness in Disaster Management, Isfahan
- 2008: Air pollution and sandstorm control- Meteorological organization
- 2008: Teachers and students Consultation

Approved Research Projects

1. Ruse of Shiraz WWTP effluent using membrane technology. (2015). **Executive Manager**, *SUMS*.
2. Survey on Quantity and Quality of effluent leachate due to different steps of municipal Solid Waste Composting in Windrow method. (2010-2012). **Executive Manager**, *IUMS*.
3. Treatment of composting plant leachat Electrocoagulation. (2010-2012). **Executive Manager**, *IUMS*.
4. Feasibility study for reuse of Isfahan wastewater treatment plant effluent in agricultural. (2010-2012). **Executive Manager**, *IUMS*.
5. Composting plant leachate treatment by anaerobic sequencing batch reactor (ASBR) and MSBR in pilot plant. (2010-2012). **Main Colleague**, *IUMS*.
6. Feasibility of combined processes (AS/TF) performance in nutrient removal of WWTP effluent. (2009-2010). **Main Colleague**. *SKUMS*.
7. A Comparison of Effect of Commercial Dual Precipitator Units (with Iron and Aluminum Electrodes) and Coal Electrodes on Physicochemical Quality of Water. (2008-2009). **Main Colleague**, *IUMS*.
8. Performance of accelator system for turbid water treatment. (2008-2009). **Main Colleague**, *IUMS*

9. Disinfection of Water and Wastewater Using Gamma Irradiation in Isfahan Water and Wastewater treatment plants. (2006-2008). **Main Colleague, IUMS.**
10. Pilot-Scale Studies of Combined Clarification, Filtration, and Ultraviolet Radiation Systems for Disinfection of Secondary Municipal Wastewater Effluent. (2006-2008). **Main Colleague, IUMS.**
11. Effects of Oxytetracycline, Tylosin and Amoxicillin Antibiotics on Specific Methanogenic Activity (SMA) of Anaerobic Biomass. (2004-2006). **Main Colleague, IUMS.**
12. Treatment of composting plant leachate using MBR. (2010-2012). **Main Colleague, IUMS.**

Publications

a) Books

- 1- **Hassan Hashemi**, Mohammad Mehdi Amin, Mehraban Sadeghi, Application of UV systems in water and effluent disinfection. 2010, ISBN: 978-964-8443-17-2. (In Persian).
- 2- **Hassan Hashemi**, Mohammad Mehdi Amin, Asghar Ebrahimi, Amir Reza Talaei. Practical Municipal Wastewater Treatment. 2012, ISBN: 978-964-524-413-0. (In Persian).

b) Papers published in English Peer-reviewed Journals

1. **Hassan Hashemi**, Asghar Ebrahimi, Abbas Khodabakhshi. Investigation of anaerobic biodegradability of real compost leachate emphasis on biogas harvesting. *JEST-D-14-01006R1. Indexed in ISI.*
2. Reza Darvishi, Abbas Rezaee, Reza Rezaee, Mahdi Safari, **Hassan Hashemi**. Photocatalysis of a textile dye over immobilized ZnO nanoparticles: Optimization of calcination conditions. *JAEHR. ISC.*
3. **Hassan Hashemi**, Yaghoob Hajizadeh, Mohammad Mehdi Amin, Bijan Bina, Asghar Ebrahimi, Abbas Khodabakhshi, Afshin Ebrahimi & Hamid Reza Pourzamani. Macropollutants removal from compost leachate using membrane separation process: *Desalination and water treatment journal*, 2015: 1–6. *ISI.*
4. Asghar Ebrahimi, **Hassan Hashemi***, Mohammad Mehdi Amin, Bijan Bina, Tahereh Jasemizad, Afshin Ebrahimi, Hamidreza Pourzamani, Yaghoob Hajizadeh. The Removal of PAHs and Heavy Metals in Composting Leachate using the Anaerobic Migrating Blanket Reactor Process. *Desalination and water treatment journal*, in press. *ISI.*
5. Determination of inhibitory concentration of oxytetracycline on methanogenic bacteria by in vitro study. *Journal of Medical Bacteriology. In press*

6. Feasibility of large amounts biogas production from garbage bioliquid. *IJHSDM. In press*
7. Evaluation of innovative MSBR process performance in removal of physico-chemical pollutants of composting leachate. *Eco. Env. & Cons. In press. ISI.*
8. Survey on quality and quantity of industrial solid waste, a case study in Chaharmahal and Bakhtiari province of Iran. *IJEHE. In press*
9. Asghar Ebrahimi, **Hassan Hashemi***, Mohammadmehdi Amin, Bijan Bina, Afshin Ebrahimi, Hamidreza Pourzamani and, Yaghoub Hajizadeh. Composting leachate treatment by an anaerobic migrating blanket reactor. *Eco. Env. & Cons. 21 (2): 2015; pp. (13-23). ISI.*
10. **Hassan Hashemi**, Hamidreza Pourzamani, Bahareh Rahmani Samani: Comprehensive Planning for Classification and Disposal of Solid Waste at the Industrial Parks regarding Health and Environmental Impacts. *Journal of Environmental and Public Health 02/2014;2014:230163. DOI:10.1155/2014/230163. Pubmed.*
11. Mansooreh Dehghani, Amir Anushiravani, **Hassan Hashemi**, Narges Shamsedini: Survey on Air Pollution and Cardiopulmonary Mortality in Shiraz: An Analytical-Descriptive Study. *International journal of preventive medicine 01/2014; 5(6). Pubmed.*
12. Mohammad Mehdi Amin, **Hassan Hashemi***, Bijan Bina, Afshin Ebrahimi, Hamid Reza Pourzamani, Asghar Ebrahimi. Environmental pollutants removal from composting leachate using anaerobic biological treatment process. *IJHSDM. 2014, 2 (3): 136-141, DOI: 10.4103/2347-9019.142191. Pubmed.*
13. Mohammad Mehdi Amin, **Hassan Hashemi***, Bijan Bina, Afshin Ebrahimi, Hamid Reza Pourzamani, Asghar Ebrahimi. Complementary treatment of leachate using sequencing batch reactor. *IJHSDM, 2014 (2)4: 216-219. DOI: 10.4103/2347-9019.144403. Pubmed.*
14. Mansooreh Dehghani, Somayeh Sheibani Seresht, **Hassan Hashemi**. Treatment of hospital wastewater by electrocoagulation using aluminum and iron electrodes. *Int J Env Health Eng 2014;3:15. ISC*
15. Mohammad Mehdi Amin, **Hassan Hashemi**, Amir Mohammadi Boyini. A review on wastewater disinfection. *International Journal of Environmental Health Engineering (IJEHE) 2013;2(1):1-9. ISC*
16. Mansooreh Dehghani, Rezvan Omrani, Zahra Zamanian, **Hassan Hashemi**: Determination of DMFT index among 7-11 year-old students and its relation with fluoride in Shiraz drinking water in Iran. *Pakistan Journal of Medical Sciences Online 02/2013; 29(1(Suppl)). DOI:10.12669/pjms. 291(Suppl).3537. ISI.*
17. Hossein Farrokhzaeh, Ebrahim Ghorbani, **Hassan Hashemi***, Leili Mohebat, Akbar Hassanzadeh, Mahmoud Yahay, Fatemeh Samadani, Hossein Jaber. Measurement of used oil rancidity indexes in the confectioneries and food shops. *IJEHE, 2013;2:28*

18. Mansooreh Dehghani, Simin Nasseri, **Hassan Hashemi**: Study of the Bioremediation of Atrazine under Variable Carbon and Nitrogen Sources by Mixed Bacterial Consortium Isolated from Corn Field Soil in Fars Province of Iran. *Journal of Environmental and Public Health* 03/2013; 2013:973165. DOI:10.1155/2013/973165. [Pubmed](#).
19. Farahnaz Khajehnasiri, Seyed Bagher Mortazavi, Abdolamir Allameh, Shahin Akhondzadeh, **Hassan Hashemi**: Total Antioxidant Capacity and Malondialdehyde in Depressive Rotational Shift Workers. *Journal of Environmental and Public Health* 04/2013; 2013:150693. DOI:10.1155/2013/150693. [Pubmed](#).
20. Zahra Zamanian, Reza Rostami, Jafar Hasanzadeh, and **Hassan Hashemi**, Investigation of the Effect of Occupational Noise Exposure on Blood Pressure and Heart Rate of Steel Industry Workers. *Journal of Environmental and Public Health*, vol. 2013, Article ID 256060, 3 pages, 2013. doi:10.1155/2013/256060. [Pubmed](#).
21. Zahra Zamanian, Mansooreh Dehghani, **Hassan Hashemi**: Outline of Changes in Cortisol and Melatonin Circadian Rhythms in the Security Guards of Shiraz University of Medical Sciences. *International journal of preventive medicine* 07/2013; 4(7):825-30. [Pubmed](#).
22. Mehraban Sadeghi, Abdolmajid Fadaei, Ramazan sadeghi, **Hassan Hashemi**. Monitoring of Residues of Oxydemeton-Methyl in Greenhouse Vegetables in Shahrekord, Iran. *International Journal of Environmental Protection: May. 2013, Vol. 3 Iss. 5, PP. 1-5*.
23. Mansooreh Dehghani, Mohammad Mehdi Taghizadeh, **Hassan Hashemi**, Ebrahim Rastgoo. A preliminary assessment of dispersion level of SO₂ in Fars industrial region- South of Iran by GIS Workers. *Journal of Environmental and Public Health*, vol. 2013, Article ID 670590, 6 pages, 2013. doi:10.1155/2013/670590. [Pubmed](#).
24. Mansooreh Dehghani, **Hassan Hashemi***, Mojtaba Karami manesh. Evaluation of the chemical and microbial quality of bottled water distributed during disasters. *International Journal of Health System and Disaster Management (IJHSDM)*, 2013;1 (2):68-71. [Pubmed](#).
25. Z Zamanian, A Afshin, AH Davoudiantalab, **H Hashemi**. Comprehension of workplace safety signs: A case study in Shiraz industrial park: *Journal of Occupational Health and Epidemiology. JOHE* 2013, 2(1 and 2): 37-43. [ISC](#).
26. Mohammad Mehdi Amin, **Hassan Hashemi***, Bijan Bina, Maryam Hatamzadeh, Mohammad Abdollahi. Disinfection of water and wastewater of Isfahan water and wastewater treatment plants by gamma irradiation. *IJEHE*. 2012;1(8):1-4.
27. Mohammad Mehdi Amin, **Hassan Hashemi***, Afshin Ebrahimi, Asghar Ebrahimi. Effects of oxytetracycline, tylosin, and amoxicillin antibiotics on specific methanogenic activity of anaerobic biomass. *IJEHE*, 2012;1(5):1-4.
28. Asghar Ebrahimi, Mohammad Mehdi Amin, Bijan Bina, Mehdi Mokhtari, Hamid Reza Alaghebandan, Mohammad Reza Samaei, **Hassan Hashemi**. Prediction of the energy content of the municipal solid waste. *IJEHE*, 2012;1(6):1-6.

29. Mehraban Sadeghi, **Hassan Hashemi***, Fahimeh Teimouri. Determination of design parameters urban wastewater treatment plants in the cold region of Iran. *IJEHE*, 2012; 1:2.
30. Maryam Esteban, Mohammad Mehdi Amin, Parinaz Poursafa, Mohammad Ghasemian, Neamat Jaafarzadeh, **Hassan Hashemi**, Ali Fatehizadeh. Biodegradation of benzene-toluene-xylene in petrochemical industries wastewater through anaerobic sequencing biofilm batch reactor in bench scale. *IJEHE*, 2012, 1:22. *ISC*.
31. Mohammad Mehdi Amin, Mahdi Safari, Afshin Maleki, Mohammad Ghasemian, Reza Rezaee, **Hassan Hashemi**. Feasibility of humic substances removal by enhanced coagulation process in surface water. *Int J Env Health Eng* 2012; 1:29.
32. M. M. Amin, **H. Hashemi**, B. Bina, H. Movahhedian Attar, H. Farrokhzadeh, M. Ghasemian. Pilot-Scale Studies of Combined Clarification, Filtration, and Ultraviolet Radiation Systems for Disinfection of Secondary Municipal Wastewater Effluent. *Desalination* 2010; 260 (1–3): 70–78. *ISI*.

c) Papers published in Persian journals (Indexed by ISC)

1. Mansooreh Dehghani, **Hassan Hashemi**, Tayebeh Abedi, Narges Shamsedini, Abbas Khodabakhshi, Reza Ghasemi. The survey of knowledge, attitude, and Behavior of students in Shiraz University of Medical Sciences about the recycling of solid waste. *J Health Syst Res* 2014; 10(4).
2. Zamanian Z, Rostami R, Hasanzadeh J, **Hashemi H**. The Effect of Occupational Noise Exposure on Blood Pressure and Heart Rate among Workers of a Steel Industry. *j. health*. 2015; 5 (4):355-360.
3. Jabbari Z, **Hashemi H***, Haghayegh SA. Survey on Effectiveness of Cognitive Behavioral Stress Management on the Stress, Anxiety, and Depression of Pregnant Women. *J Health Syst Res* 2013; 8(7): 1341-7.
4. H Farrokhzadeh, **H Hashemi***, MM Amin, M Foroughi, N Jafari. Comparison of Dual Precipitator Electrodes (with Iron and Aluminum) and Coal electrodes on physicochemical quality of water. *Tolooe Behdasht*, 2014(Issue 4).
5. Dehghani M, Safinia Falah M, **Hashemi M***, Shamsaldini N. Evaluation of Environmental Health Indicators in Motels, Hotels and Hotel Apartments in Shiraz. *TB*. 2014; 12 (4):96-103.
6. **Hashemi H**, Ebrahimi A, Khodabakhshi A. Survey on reuse of Isfahan wastewater treatment plants effluent in restricted irrigation. *J Health Syst Res* 2014; 10(2).
7. **Hashemi H**, Amin MM, Ebrahimi A, Bina B. Survey on Quantity and Quality of leachate from different steps of municipal Solid Waste Composting in Windrow method. *J Health Syst Res* 2014; 10(1):142-150.

8. Dehghani M, **Hashemi H**, Hosainpoor M, Khodabakhshi A, Karami M, Shamsoddini N. Assessment of microbiological quality of potable water distributed in buses of Karandish terminal. *J Health Syst Res* 2014; 10(2).
9. Sadeghi M, Taji A, **Hashemi H**, Hoseyni S. The comparison of two water supply systems (gravity distribution and direct pumping) from the viewpoint of pressure, leakage and quality of water using water Gems v3/0 model (Case study: Boroujen water supply network). *J Health Syst Res* 2014; 10(4).
10. Maryam Foroughi, Mehdi Hajian-Nejad, Hamid Reza Pourzamani, **Hassan Hashemi**, Zahra Noori-Motlagh. Treatment of Urban Runoff Using Manganese Oxide-Coated Sand in Presence of Magnetic Field. *Journal of Health & Development. Vol. 1, No. 4, Winter 2013*.
11. Dehghani M, Omrani R, **Hashemi H***. Determining the amount of DMFT in students between 7-11 years-old in Shiraz and its relation to the amount of fluoride in drinking water. *J Health Syst Res* 2013; 9(5).
12. Dehghani M, Nourmoradi H, **Hashemi H**, Azimi A, Doleh M, Vafae R. An evaluation of physical, chemical and biological quality of influent and effluent water obtained by reverse osmosis and multistage flash processes for drinking consumption. *Pejouhesh. 2013; 36 (5): 36-42*.
13. Mansoureh Deghani, Mohammad Doleh, **Hassan Hashemi**, Narges Shamsaddini. The Quality of Raw and Treated Water of Desalination Plants by Reverse Osmosis in Qeshm. *Journal of Health & Development. Vol. 2, No. 1, Spring 2013*
14. Pourzamani HR, **Hashemi H***, Bina B, Movahedian Attar H. Determination of Membrane Bioreactor Efficiency in Treatment of Composting Plant Leachate. *J Health Syst Res* 2013; 9(8).
15. **Hashemi H**, Sepahvand S, Hashemi K. A review on effects of climate change on water and seafood quality. *J Health Syst Res* 2013; 9(9).
16. **Hashemi H**, Alipour Samani E, Amin MM, Bina B. Survey on Electrocoagulation process efficiency on Isfahan Composting plant Leachate treatment. *J Health Syst Res* 2013; 9(9)
17. Behzadi Sh, Dehghani M, Sekhvatjoo MS, **Hashemi H**. Optimization of Fenton process for total organic carbon removal from aqueous solution includes amoxicillin antibiotic by using Taguchi experimental design. *J Health Syst Res* 2013; 9(11): 1186-1200
18. Mohammad Mehdi Amin, **Hassan Hashemi***, Mehdi Safari, Zeinab Rezaei. Evaluating the Amount of Residual Aluminum from Conventional and Enhanced Coagulation Using Poly-aluminum Chloride in treated Water. *Journal of Health System Research. 2012; 8(3); 449-455*.
19. **Hassan Hashemi**, Mohammad Mehdi Amin, Asghar Ebrahimi, Reza Rezaie, Mehdi Safari. Evaluation of health, environmental, economic and technical aspects of disinfection of WWTP effluent in the north of Isfahan with UV instead of chlorine. *SJKU* 2012, 16(4): 50-59

20. Alireza Raygan Shirazi, Soheila Rezaei, Arsalan Jamshidi, Mohammad Fararoei, Abdolmohammad Sadat, **Hassan Hashemi**. Investigating the microbial and chemical quality of drinking water of central district of Boyer Ahmad in 2010. *J Health Syst Res* 2012; 8(3): 431-437.
21. Mohammad Mehdi Amin, Shahram Shayan, **Hassan Hashemi**, Parinaz Poursafa and Afshin Ebrahimi. Analysis of Multiple Choice Questions Based On Classical Test Theory. *Iranian Journal of Medical Education*, 2011(Issue 5).
22. **Hassan Hashemi**, Mohammad Mehdi Amin, Bijan Bina, Mohammad Abdellahi, Maryam Hatamzadeh. Disinfection of Water and Wastewater Using Gamma Irradiation in Isfahan Water and Wastewater Treatment Plants. *Journal of Water & Wastewater*, 2011(Issue 76)
23. Mohammad Mehdi Amin, **Hassan Hashemi***, Afshin Ebrahimi, Bijan Bina, Hossein Movahhedian Attar, Adib Jaberi, Hossein Saffari, Zahra Mousavian. Using Combined Processes of Filtration and Ultraviolet Irradiation for Effluent Disinfection of Isfahan North Wastewater Treatment Plant in Pilot Scale. *Journal of Water & Wastewater*, 2011(Issue 78).
24. Hossein Farrokhzadeh, **Hassan Hashemi***. Survey on sequencing batch reactor (SBR) with Moving bed efficiency in wastewater treatment containing 4-chlorophenol (4-CP). *Jhsr*, 2011: 7(6).
25. **H.Hashemi**, M.M.Amin. Study of indicator bacteria Photo reactivation capability in the irradiated effluent of municipal wastewater. *Jhsr*, 2011:7(6).
26. **H. Hashemi**, M.M. Amin, B. Bina, H. Movahedian Attar, H. Farrokhzadeh. Survey on possibility of Disinfection of Isfahan North Wastewater Treatment Plant Effluent by Low and Medium Pressure Ultraviolet Systems in Pilot Scale. *Iranian Journal of Health and Environment* 2010, 3(1): 47-58.
27. **Hashemi H**, Sadeghi M, Amin M. Evaluating the performance of clarification and ultraviolet units in disinfection of Isfahan North waste water treatment plant (WWTP) effluent in pilot plant. *J Shahrekord Univ Med Sci*. 2010; 12 (3):77-84
28. Hosein Farrokhzadeh, **Hasan Hashemi***, Mehdi Hajian. Performance of Accelerator system for turbidity removal. *Jhsr*, 2010(6):967-973.
29. **Hasan Hashemi**, Mohammad Mehdi Amin, Asghar Ebrahimi, Afshin Ebrahimi. Effects of Antibiotics on Specific Methanogenic Activity of Anaerobic Biomass. *Jhsr*, 2010 (6):960-966.
30. Asghar Ebrahimi, Mohammad Hassan Ehrampoush, Mohammad Taghi Ghaneian, Mojtaba Davoudi, **Hassan Hashemi**, Shahin Behzadi. The survey chemical quality of ground water in the vicinity of sanitary landfill of Yazd in 2008. *Jhsr*, 2010(6):1048-1056.
31. Mehraban Sadeghi, Ghasem Ali Omrani, Amir Hosein Javid, Bahareh Rahmani, Hasan Hashemi, Vafa Mahmoudi nejad. Investigating the quality and quantity of the Industrial solid waste (Case study: Chahar Mahal and Bakhtiari province in 2009). *Jhsr*, 2010(6):837-847.

32. Saeid Samani Majd, **Hassan Hashemi***, Hamid Reza Pourzamani, Fazel Mohammadi Moghaddam, Heshmatolah Nourmoradi, Ali Samani Majd. Managing the industrial solid waste production in the industrial town of Borujen. *Jhsr*, 2010(6):908-917.
33. Asghar Ebrahimi, Mohammad Mahdi Amin, Hassan Hashemi, Reza Foadifard, Marzieh Vahiddastjerdi. A survey of groundwater chemical quality in Sajad Zarinshahr. *Jhsr*, 2010(6):918-926.
34. Hamed Asadi Ardali, Mehraban Sadeghi, Amir Hesam Hassani, Amir Hossein Javid, **Hassan Hashemi**. Feasibility of using the dried sludge by municipal wastewater treatment with activated sludge process. *Jhsr*, 2010;6(3):407-416.

Presentation in Conferences

2014: National congress on climate change and food safety, Isfahan, Iran

- *A review on effects of climate change on water and seafood quality (Poster).*

2014: 3th National conference on innovative technologies in chemistry and chemical engineering

- *Evaluation of deep aeration system to reduce the amount of BOD and COD levels in biological treatment of sewage (Lecture).*

2013: The 16th National congress of environmental health, Tabriz, Iran

- *Survey on Quantity and Quality of leachate from different steps of municipal Solid Waste Composting in Windrow method (Poster).*
- *Survey on Electrocoagulation process efficiency on Isfahan Composting plant Leachate treatment (Poster).*

2012: The 15th National congress of environmental health, Rasht, Iran

- *Evaluating the Amount of Residual Aluminum from Conventional and Enhanced Coagulation Using Poly-aluminum Chloride in treated Water (Poster).*
- *Comparing the regression model and kinetic model to predict the removal of formaldehyde by modified biofilter (Lecture).*

2012: The 2th National Conference on Sustainable Development and urban development, Isfahan

- *Estimation of LFG production in shahrekord landfill site (Poster).*
- *Pilot-Scale Studies of Combined Clarification, Filtration, and Ultraviolet Radiation Systems for Disinfection of Secondary Municipal Wastewater Effluent (Lecture).*
- *Managing the industrial solid waste production in the industrial town of Borujen (Lecture).*

2011: The 5th National congress of solid waste management, Mashhad.

- *Feasibility of using the dried sludge by municipal wastewater treatment with activated sludge process (Poster).*

2011: 2th National conference on the status of water recycling and waste management, water resources, Mashhad

- *Evaluation of health, environmental, economic and technical aspects of disinfection of WWTP effluent in the north of Isfahan with UV instead of chlorine (Poster).*

2011: The first national conference on sustainable development and urban development, Isfahan.

2011: The 3th Student seminar of environmental health, Sanandaj.

- *Evaluating the performance of clarification and ultraviolet units in disinfection of Isfahan North waste water treatment plant (WWTP) effluent in pilot plant (Lecture).*
- *Using renewable energies in the water and wastewater industry (Poster).*

2011: The 14th National congress of environmental health, Yazd.

2010: 12th Annual Research Congress of Iran's Medical Sciences Students, Isfahan.

- *Feasibility of secondary effluent disinfection by ultraviolet technologies (Lecture).*
- *Calculate and predict the solid waste composition to produce electricity in the Isfahan city (Lecture).*

2010: 2th International conference on water and wastewater treatment, Isfahan.

- *Determination of Design Parameters Urban Wastewater Treatment Plants in the Cold Region of Iran (Lecture).*

2010: 4th National conference on new ideas in agriculture. Isfahan.

- *Advanced Treatment of Isfahan North WWTP Effluent in Pilot Plant for Reuse in Agriculture (Poster).*

2009: The 13th National congress of environmental health, Kerman.

- *Performance of Accelerator system for turbidity removal of water (Lecture).*

2009: The 4th and 5th National congress of solid waste management, Mashhad.

- *Selection of appropriate method for converting of waste to energy in metropolis of Isfahan (Lecture).*

2008: The 1th International and the 4th National congress on recycling of organic Waste in agriculture, Isfahan.

2008: The 12th National congress of environmental health in Iran, Tehran.

- *Using Combined Processes of Filtration and Ultraviolet Irradiation for Effluent Disinfection of Isfahan North Wastewater Treatment Plant in Pilot Scale (Lecture).*

2007: 3rd National congress of recycling and reuse of renewable organic resources, Isfahan.

2006: The 10th national congress of environmental health in Iran, Hamedan.

- *Evaluate the effectiveness of media made from recycled glass compared to other conventional media in the slow sand filters (Poster).*

2005: The 9th national congress of environmental health, Isfahan.

- *Effects of Oxytetracycline, Tylosin and Amoxicillin Antibiotics on Specific Methanogenic Activity (SMA) of Anaerobic Biomass (Lecture).*

Reviewer of journals

- Journal of Atmospheric Pollution
- International Journal of Environmental Health (IJEHE)
- Archives of Hygiene Sciences
- Iranian Journal of Public Health (IJPH)
- Journal of Health System Research (JHSR)

Orientation with Software

- Gaining skill in application of software's such as: Microsoft Office, Internet explorer, Endnote, EPANET, GIS, and SPSS.