

## Curriculum Vitae

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**NAME:** Mohammad Mehdi Amin

**POSITION TITLE:** Professor

### RESEARCH IDs

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### EDUCATION AND TRAINING

INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	Start Date MM/YYYY	Completion Date MM/YYYY	FIELD OF STUDY
Isfahan University of Medical Sciences, Isfahan-Iran	Ph.D.	1997	2003	Environmental Health Engineering
Isfahan University of Medical Sciences, Isfahan-Iran	M.Sc.	1993	1997	Environmental Health Engineering
Isfahan University of Medical Sciences, Isfahan-Iran	B.S	1988	1992	Environmental Health Engineering

### RESEARCH INTEREST

My research is focused on wastewater treatment specifically on industrial effluent. Another research interest is human bio-monitoring as a tool of health-related environmental monitoring with determination and measurement of pollutants in human body.

### FUNDED RESEARCH- Completed

2015	"Survey on methods of excess biological sludge reduction and executive strategy suggestions in wastewater treatment plant: a case study North Wastewater Treatment Plant", Isfahan Water and Wastewater Company, Grant No. 92/6761.
2012	"Quality study of influent raw water Isfahan metropolitan 2041", Isfahan Water and Wastewater Company, Grant No. 91/189.
2012	"Quality investigation and feasibility study of treatment plants sludge reuse in three industrial estates, Isfahan Industrial Estates, Grant No. 19353/1/2430.

- 2006 "Survey on Bioremediation of PCBs in Two Lab-Scale Reactors: Aerobic & Anaerobic and Detection of PCBs in Outdoor & Indoor Sites of Isfahan Steel Co. and that Bioremediation" Isfahan Steel Company, Grant No. 184070.
- 2006 "Environmental Impact Assessment (EIA) of Development Plan in Koochpayeh Industrial Park with using both Matrix and GIS Methods" Isfahan Industrial Estates Company, Grant No. 185286.
- 2005 "Environmental Impact Assessment (EIA) of Development Plan in Rangsaan Industrial Park", Isfahan Industrial Estates Company, Grant No. 185002.

### FUNDED RESEARCH- Ongoing

- 2016 "Water quality monitoring of Zayandehrood dam reservoir and its upstream basin" Isfahan Regional Water Cooperation, Grant No. 65/114.

### POSITIONS AND EMPLOYMENT

- 2015-Present Professor of Environmental Health Engineering
- 2011-2015 Associate Professor of Environmental Health Engineering
- 2005-2010 Assistant Professor of Environmental Health Engineering
- 2003-2004 Scholarship (research scholar) in University of Illinois at Urbana-Champaign (UIUC), Illinois, USA from March 18, 2003 till January 12, 2004.
- 1996-2002 Teaching Assistant, Isfahan University of Medical Sciences, I was involved in teaching postgraduate course in water treatment and also undergraduate courses in industrial and municipal collection and treatment systems as well as teaching hydraulic laboratory for Environmental Health students. Other duties included summer field training of students in various water and wastewater treatment plants.
- 1990-1996 Environmental Health Engineer, Isfahan Environmental Health Center, My duties included monitoring of water distribution network for lack of microbial and chemical contamination as well as overseeing solid waste management practices of contract companies. Other duties included sanitation and supervision of food preparation and distribution centers from public health engineering

### PUBLICATIONS AND CONTRIBUTIONS

1. Pourzamani, H. Hashemi, M. Bina, B., Rashidi, A. Amin, M. M., Parastar, S.; Toluene Removal from Aqueous Solutions Using Single-Wall Carbon Nanotube and Magnetic Nanoparticle-Hybrid Adsorbent; **2018**, *Journal of Environmental Engineering* 144(2).
2. Hajizadeh, Y., Amin, M.-M., Ebrahim, K., Parseh, I.; Biodeterioration of 1, 1-dimethylhydrazine from air stream using a biofilter packed with compost-scoria-sugarcane bagasse; **2018**, *Atmospheric Pollution Research* 9(1), pp. 37-46.
3. Kelishadi, R., Sobhani, P., Poursafa, P., Najafi, R., Hashemipour, M., Amin M. M.; Is there any association between urinary metabolites of polycyclic aromatic hydrocarbons and thyroid hormone levels in children and adolescents? **2018**, *Environmental Science and Pollution Research*, pp. 1-7.
4. Amin, M. M., Khanahmad, H., Teimouri, F., Sadani, M., Karami, M. A., Rahimmanesh, I.; Improvement of biodegradability of explosives using anaerobic-intrinsic bioaugmentation approach, **2017**, *Bulgarian Chemical Communications* 49(3), pp.735-741.
5. Amin, M.M., Bina, B., Taheri, E., Van Ginkel, S.W., Fatehizadeh, A.; Metabolism and kinetic study of bioH<sub>2</sub> production by anaerobic sludge under different acid pretreatments; **2017**, *Process Biochemistry* 61, pp. 24-29.

6. Amin, M. M., Khanahmad, H., Teimouri, F., Sadani, M., Karami, M. A., Hatamzadeh, M.; Effect of Monorhamnolipid Contribution on Anaerobic-Natural Attenuation of Explosives in Contaminated Soils, **2017**, *Journal of Environmental Engineering*, 143(8).
7. Amin, M.M., Bina, B., Ebrahim, K., Yavari, Z., Mohammadi, F. Biodegradation of natural and synthetic estrogens in moving bed bioreactor; **2017**, *Chinese Journal of Chemical Engineering (In Press)*.
8. Amin, M.M., Golbini Mofrad, M.M., Pourzamani, H., Sebaradar, S.M., Ebrahim, K.; Treatment of industrial wastewater contaminated with recalcitrant metal working fluids by the photo-Fenton process as post-treatment for DAF; **2017**, *Journal of Industrial and Engineering Chemistry, Vol. 45;412-420*;
9. Amin, M.M., Rahimi, A., Bina, B., Nourmoradi, H., Hassanvand, M.S., Mohammadi-Moghadam, F., Norouzi, S., Heidari, M.: Biodegradation of n-hexane as single pollutant and in a mixture with BTEX in a scoria/compost-based biofilter; **2017**, *Process Safety and Environmental Protection; Vol. 107;508-517*;
10. Amin, Mohammad Mehdi, Karami, Mohammad Amin, Teimouri, Fahime, Ghasemi, Reza, et. al.: Comparison between conventional pump and adsorption sampling method with passive solid phase microextraction (SPME) sampling to investigate changes in the concentration of benzene, toluene, and xylene (BTX) in urban ambient air, **2017**, *Journal of Health in the Field*, 4 (4).
11. Poursafa, P., Amin, M. M., Hajizadeh, Y., Mansourian, M., Pourzamani, H., Ebrahim, K., Sadeghian, B., Kelishadi, R.: Association of atmospheric concentrations of polycyclic aromatic hydrocarbons with their urinary metabolites in children and adolescents, **2017**, *Environmental Science and Pollution Research*, 24 (20), 17136-17144.
12. Ebrahim, K., Poursafa, P., Amin, M. M.: Development of a simple and valid method for the trace determination of phthalate esters in human plasma using dispersive liquid-liquid microextraction coupled with gas chromatography-mass spectrometry, **2017**, *Journal of Separation Science*40(22), pp. 4403-4410.
13. Bina, B. and Mohammadi, F. and Amin, M.M. and Pourzamani, H.R. and Yavari, Z.: Evaluation of the effects of AlkylPhenolic compounds on kinetic coefficients and biomass activity in MBBR by means of respirometric techniques, **2017**, *Chinese Journal of Chemical Engineering (In Press)*.
14. Karami, M.A. and Amin, M.M. and Bina, B. and Sadani, M. and Mirzaei, N. and Teimouri, F. and Akrami, A.: Enhanced aerobic biodegradation of soil contaminated with explosives (TNT and PETN) by rhamnolipid, **2017**, *Eurasian Journal of Analytical Chemistry (In Press)*.
15. Bina, B., Mohammadi, F., Amin, M.M., Pourzamani, H.R., Yavari, Z.: Determination of 4-nonylphenol and 4-tert-octylphenol compounds in various types of wastewater and their removal rates in different treatment processes in nine wastewater treatment plants of Iran, **2017**, *Chinese Journal of Chemical Engineering (In Press)*.
16. Mahdavi, M. and Amin, M. M. and Hajizadeh, Y. and Farrokhzadeh, H. and Ebrahimi, A.; Removal of Different NOM Fractions from Spent Filter Backwash Water by Polyaluminum Ferric Chloride and Ferric, **2017**, *Arabian Journal for Science and Engineering* 42(4), pp. 1497-1504.
17. Fanaie, V.R., Karrabi, M., Amin, M.M., Shahnavaz, B., Fatehizadeh, A.; Biosorption of 4-chlorophenol by dried anaerobic digested sludge: artificial neural network modeling, equilibrium isotherm, and kinetic study; **2017**, *International Journal of Environmental Science and Technology, Vol. 14, Issue 1, 37-48*;
18. Ebrahimi, A., Amin, M. M., Pourzamani, H., Hajizadeh, Y., Mahvi, A. H., Mahdavi, M., Rad, M. H. R., Hybrid coagulation-UF processes for spent filter backwash water treatment: a comparison studies for PAFCl and FeCl<sub>3</sub> as a pre-treatment, **2017**, *Environmental Monitoring and Assessment* 189(8).

19. Amin, M.M., Rahimi, A., Bina, B., Mohammadi Moghadam, F., Nourmoradi, H., Heidari, M.: Effect of a Non-Ionic Surfactant on Xylene Removal in a Scoria-Compost-Based Biofilter, **2016**, *Clean - Soil, Air, Water*, 44 (12), 1759-1765;
20. Amin, M.M., Bina, B., Taheri, E., Fatehizadeh, A., Ghasemian, M.: Stoichiometry evaluation of biohydrogen production from various carbohydrates; **2016**, *Environmental Science and Pollution Research*;23 (20), 20915-20921;
21. Samani, S., Abdoli, M.A., Karbassi, A., Amin, M.M., Stimulation of the hydrolytic stage for biogas production from cattle manure in an electrochemical bioreactor; **2016**, *Water Science and Technology*;74(3),
22. Zare, M.-R., Amin, M.-M., Nikaeen, M., Zare, M., Bina, B., Fatehizadeh, A., Rahmani, A., Ghasemian, M.: Simplification and sensitivity study of Alamar Blue bioassay for toxicity assessment in liquid media, **2016**, *Desalination and Water Treatment*;
23. Amin, M.M., Teimouri, F., Sadani, M., Karami, M.A.; Application of enhanced nZnO photocatalytic process with ultrasonic wave in formaldehyde degradation from aqueous solution, **2016**, *Desalination and Water Treatment*;
24. Mohammad Mehdi Amin, Fahimeh Teimouri, Mohsen Sadani, Mohammad Amin Karami; Application of enhanced nZnO photocatalytic process with ultrasonic wave in formaldehyde degradation from aqueous solution, *Desalination and Water Treatment*, **2015**, 1–10;
25. Hassan Hashemi, Yaghoub Hajizadeh, Mohammad Mehdi Amin, Bijan Bina, Asghar Ebrahimi, Abbas Khodabakhshi, Afshin Ebrahimi, Hamid Reza Pourzamani; Macro-pollutants removal from compost leachate using membrane separation process, *Desalination and Water Treatment*, **2016**, 1-6
26. Fahimeh Teimouri, Mahnaz Nikaeen, Mohammad Mehdi Amin; Biodegradation performance of sequencing batch biofilm reactor for Polychlorinated biphenyls in transformer oil, *Journal of Biodiversity and Environmental Sciences (JBES)*, Vol.6, No. 4, p. 65-74, **201**
27. Mohammad-Reza Zare , Mohammad-Mehdi Amin, Bijan Bina Mahnaz Nikaeen, Hamid Reza Pourzamani, Ali Fatehizadeh, Ensieh Taheri; Resazurin reduction assay, a useful tool for assessment of heavy metal toxicity in acidic conditions; *Environ Monit Assess.*; **2015** May;187(5):276;
28. Mohammad-Reza Zare , Mohammad-Mehdi Amin, Mahnaz Nikaeen, Bijan Bina Ayat Rahmani , Saeedeh Hemmati-Borji , Hasan Rahmani; Acute toxicity of Hg, Cd, and Pb towards dominant bacterial strains of sequencing batch reactor (SBR), *Environ Monit Assess*, **2015**, 187: 263;
29. Ashraf Javidi, Nasim Rafiei, Mohammad Mehdi Amin, Silva Hovsepian, Mahin Hashemipour, Roya Kelishadi, Zahra Taghian, Samaneh Mofateh, Parinaz Poursafa: The Relationship between Perchlorate in Drinking Water and Cord Blood Thyroid Hormones: First Experience from Iran; *International Journal of Preventive Medicine*, **2015**, 6:17;
30. Mohammad-Reza Zare, Mohammad-Mehdi Amin, Mahnaz Nikaeen, Mehdi Zare, Bijan Bina, Ali Fatehizadeh, Ayat Rahmani, Mohammad Ghasemian; Simplification and sensitivity study of Alamar Blue bioassay for toxicity assessment in liquid media, *Desalination and Water Treatment*, **2015**, 1-7
31. Mohammad Mehdi Amin, Amir Rahimi, Bijan Bina, Mohsen Heidari and Fazel Mohammadi Moghadam; Performance evaluation of a scoria-compost biofilter treating xylene vapors, *Journal of Environmental Health Science & Engineering*, **2014**, 12; 140,

32. Mohammad Mehdi Amin, Mehdi H. Khiadani (Hajian), Ali Fatehizadeh, Ensiyeh Taheri, Validation of linear and non-linear kinetic modeling of saline wastewater treatment by sequencing batch reactor with adapted and non-adapted consortiums. *Desalination*. 344 (2014) 228-235.
33. Mohammad Mehdi Amin, Mohammad Sadegh Hatamipour, Fariborz Momenbeik, Heshmatollah Nourmoradi, Marzieh Farhadkhani, and Fazel Mohammadi-Moghadam. Toluene Removal from Sandy Soils via In Situ Technologies with an Emphasis on Factors Influencing Soil Vapor Extraction. *The Scientific World Journal*. 2014, Article ID 416752.
34. B.F. Nabavi, M. Nikaeen, M.M. Amin, H. Farrokhzadeh. Biological treatment of polychlorinated biphenyls (PCBs) contaminated transformer oil by anaerobic aerobic sequencing batch biofilm reactors. *International Biodeterioration & Biodegradation*, 2013(85): 451-457.
35. Hossein Jafari Mansoorian, Amir Hossein Mahvi, Ahmad Jonidi Jafari , Mohammad Mehdi Amin, Ahmad Rajabizadeh, Narges Khanjani. Bioelectricity microbial fuel cell treating wastewater from food processing. *Enzyme and Microbial Technology* 52 (2013) 352– 357.
36. Mohammad Mehdi Amin, Hassan Hashemi, Amir Mohammadi Boyini. A review on wastewater disinfection. *International Journal of Environmental Health Engineering* 2013;2(1):1-9.
37. Mehdi Khiadani (Hajian), Maryam Foroughi and Mohammad Mehdi Amin. Improving urban run-off quality using iron oxide nanoparticles with magnetic field. *Desalination and Water Treatment*. (2013) 1–5.
38. Afshin Ebrahimi, Maryam Faraji, Mohsen sadani<sup>1</sup>, Mohammad Mehdi Amin, Mehdi Hajian, Hamid Reza Pourzamani. Determination of BTEX concentration in the groundwater of east region of Isfahan using passive sampling method. *International Journal of Environmental Health Engineering*.2013;2(2):1-6.
39. Mohsen Heidari, Maryam Kazemipour, Bijan Bina, Afshin Ebrahimi, Mehdi Ansari, Mohammad Ghasemian, and Mohammad Mehdi Amin. A Qualitative Survey of Five Antibiotics in a Water Treatment Plant in Central Plateau of Iran. *Journal of Environmental and Public Health*. 2013, Article ID 351528
40. Mehdi Khiadani (Hajian), Mohammad Mehdi Amin, Fariborz Momen Beik<sup>1</sup>, Afshin Ebrahimi, Marziyeh Farhadkhani, Fazel Mohammadi-Moghadam. Determination of polycyclic aromatic hydrocarbons concentration in eight brands of black tea which are used more in Iran. *International Journal of Environmental Health Engineering*.2013; 2(3):1-5.
41. Fazel Mohammadi-Moghadam, Mohammad Mehdi Amin, Mehdi Khiadani (Hajian), Fariborz Momenbeik, Heshmatollah Nourmoradi, and Mohammad Sadegh Hatamipour. Application of Glycyrrhiza glabra Root as a Novel Adsorbent in the Removal of Toluene Vapors: Equilibrium, Kinetic, and Thermodynamic Study. *Journal of Environmental and Public Health*, 2013;
42. Bibi Fatemeh Nabavi, Mahnaz Nikaeen, Mohammad Mehdi Amin, Maryam Hatamzadeh. Isolation and identification of aerobic polychlorinated biphenyls degrading bacteria. *International Journal of Environmental Health Engineering*.2013; 2(4):1-4.
43. Ali Nickheslat, Mohammad Mehdi Amin, Hassan Izanloo, Ali Fatehizadeh, and Seyed Mohammad Mousavi. Phenol Photocatalytic Degradation by Advanced Oxidation Process under Ultraviolet Radiation Using Titanium Dioxide. *Journal of Environmental and Public Health*. 2013, Article ID 815310.
44. Mohammad Mehdi Amin, Bijan Bina Amir Masoud Samani Majd, Hamidreza Pourzamani. Benzene removal by nano magnetic particles under continuous condition from aqueous solutions. *Front. Environ. Sci. Eng.* DOI 10.1007/s11783-013-0574-4

45. Ali Assadi, Roya Nateghi, Gholam Reza Bonyadinejad, Mohammad Mehdi Amin. Application of coagulation process reactive blue 19 dye removal from textile industry wastewater. *International Journal of Environmental Health Engineering*, **2013**;2(1):5
46. Mohammad Mehdi Amin , Behzad Jaberian , Bijan Bina , Mohsen Sadani , Reza Hadian, Gholamreza Bonyadinejad, Mohammad Mehdi Ahmad Moazzam. Advanced Oxidation of the Endosulfan and Profenofos in Aqueous Solution Using UV/H<sub>2</sub>O<sub>2</sub> Process. *Environment Asia* **2013**: 7(1):57-64.
47. Samaneh Khademikia, Zahra Rafiee, Mohammad Mehdi Amin, Parinaz Poursafa, Marjan Mansourian, and Amir Modaberi. Association of Nitrate, Nitrite, and Total Organic Carbon (TOC) in Drinking Water and Gastrointestinal Disease. *Journal of Environmental and Public Health*; **2013**, Article ID 603468.
48. Ensiyeh Taheri, Mehdi H. Khiadani (Hajian),Mohammd Mehdi Amin, Mahnaz Nikaeen, Akbar Hassanzadeh Treatment of saline wastewater by a sequencing batch reactor with emphasis on aerobic granule formation. *Bioresource Technology* 111 (**2012**) 21–26.
49. Bina B, Amin MM, Rashidi A, Pourzamani H. Benzene and toluene removal by carbon nanotubes from aqueous solution. *Archives of Environmental Protection*. **2012**; 38(1):3-25.
50. Pourzamani H, Bina B, Amin MM, Rashidi A. Monoaromatic Pollutant Removal by Carbon Nanotubes from Aqueous Solution. *Advanced Materials Research*. **2012**; 488:934-9.
51. Mohammadi A, Bina B, Ebrahimi A, Hajizadeh Y, Amin MM, Pourzamani H. Effectiveness of nanozeolite modified by cationic surfactant in the removal of disinfection by-product precursors from water solution. *International Journal of Environmental Health Engineering*. **2012**; 1(1):3.
52. Pourzamani H, Bina B, Rashidi A, Amin M. Performance of raw and regenerated multi-and single-walled carbon nanotubes in xylene removal from aqueous solutions. *International Journal of Environmental Health Engineering*. **2012**; 1(1):
53. Mohammad Ghasemian, Mohammad Mehdi Amin, Eberhard Morgenroth, Neemat Jaafarzadeh: "Anaerobic Biodegradation of MTBE and TBA in Petrochemical Wastewater", *J. Environmental Technology*, **2012**,.
54. Bijan Bina, Hamidreza Pourzamani, Alimorad Rashidi, and Mohammad Mehdi Amin: "Ethylbenzene Removal by Carbon Nanotubes from Aqueous Solution", *Journal of Environmental and Public Health*, Volume **2012**, Article ID 817187,
55. Ghasemian M, Poursafa P, Amin M.M, Ziarati M, Ghoddousi H, Momeni A, Rezaei A.H; "Environmental impact assessment of the industrial estate development plan with Geographical Information System and Matrix methods". *Journal of Environmental and Public Health*, Vol. **2012**, Article ID 407162,
56. Khodabakhshi A., Amin M. M., Mozaffari M. "Synthesis of Magnetite Nanoparticles and Evaluation of its Efficiency for Arsenic Removal from Simulated Industrial Wastewater". *Iran. J. Environ. Health Sci. Eng.*, **2011**, Vol. 8, No. 3, pp. 189-200;
57. Poursafa P, Kelishadi R, Lahijanzadeh A, Modaresi M.R, Haghjouy Javanmard Sh., Assari R, Amin M.M, Moattar F, Amini A, Sadeghian B; The relationship of air pollution and surrogate markers of endothelial dysfunction in a population based sample of children. *BMC Public Health J.*, **2011**; 11(115).
58. Poursafa P, Kelishadi R, Moattar F, Rafiee L, Amin M.M, Lahijanzadeh A, Haghjooy Javanmard Sh. ;Genetic variation in the association of air pollutants with a biomarker of vascular injury in children and adolescents in Isfahan, Iran. *J Res Med Sci* **2011**; 16:733-40
59. Poursafa P, Kelishadi R, Amini A, Amini A, Amin M.M, Lahijanzadeh A, Modaresi M.R ;Association of air pollution and hematologic parameters in children and adolescents *J Pediatr.* **2011**;87(4):350-6



60. Sh. Mardani., A. Mirbagheri, M. M. Amin, M. Ghasemian (2011): "Determination of Biokinetic Coefficients for Activated Sludge Processes on Municipal Wastewater", *Iran. J. Environ. Health. Sci. Eng.*, Vol. 8, No. 1, pp. 25-34.
61. Mohammad Mehdi Amin, Abbas Khodabakhshi, Morteza Mozafari, Bijan Bina, Soleiman Kheiri: "Removal of Cr (VI) from simulated electroplating wastewater by magnetite nanoparticles", *Environmental Engineering and Management Journal*, July 2010, Vol.9, No. 7, 921-927;
62. M. M. Amin, H. Hashemi, B. Bina, H. Movahhedian Attar, H. Farrokhzadeh, M. Ghasemian (2010): "Pilot-Scale Studies of Combined Clarification, Filtration, and Ultraviolet Radiation Systems for Disinfection of Secondary Municipal Wastewater Effluent", *J. Desalination*, Vol. 260, Issues 1-3, pp 70-78;
63. Tashauoei , H. R., Movahedian Attar , H., Kamali , M., Amin, M. M., and Nikaeen, M. (2010): "Removal of Hexavalent Chromium (VI) from Aqueous Solutions using Surface Modified Nanozeolite A", *Int. J. Environ. Res.*, 4(3):491-500,
64. H. R. Tashauoei, H. Movahedian, M. M. Amin, M. Kamali, M Nikaein (2010): "Removal of cadmium and humic acid from aqueous using surface modified nanozeolite A", *Int. J. Environ. Sci. Tech.*, 7(3), 497-508;
65. A.Torabian, S. M. Abtahi, M. M. Amin, S. A. Momeni (2010): "Treatment of low-strength industrial wastewater using an anaerobic baffled reactor (ABR)", *Iran. J. Environ. Health. Sci. Eng.*, Vol. 7, No.3, pp. 216-226;
66. M. M. Amin, A. Ebrahimi, M. Hajian, N. Iranpanah, B. Bina (2010): "Spatial analysis of three agrochemicals in groundwater of Isfahan using GS+", *Iran. J. Environ. Health. Sci. Eng.*, Vol. 7, No.1, pp. 71-80;
67. Majid Kermani, Bijan Bina, Hossein Movahedian, Mohammad Mehdi Amin, and Mahnaz Nikaeen (2009): "Biological phosphorus and nitrogen removal from wastewater using moving bed biofilm process", *IRANIAN JOURNAL of BIOTECHNOLOGY*, Vol. 7, No. 1, pp. 19-27;
68. Kermani Majid, Bina Bijan, Movahedian Hossein, Amin Mohammad Mehdi, and Nikaeen Mahnaz (2008): "Application of Moving Bed Biofilm Process for Biological Organics and Nutrients Removal from Municipal Wastewater", *American Journal of Environmental Sciences* 4 (6): 682-689;
69. Movahedian Hossein, Assadi Ali, and Amin Mohammad Mehdi (2008): "Effects of 4-Chlorophenol loadings on acclimation of biomass with optimized fixed time sequencing batch reactor", *Iran. J. Environ. Health. Sci. Eng.*, 2008, Vol. 5, No. 4, pp. 225-234;
70. Amin Mohammad Mehdi, Julie L. Zilles, James Greiner, Stephen Charbonneau, Lutgard Raskin, and Eberhard Morgenroth, (2006): "Influence of the Antibiotic Erythromycin on Anaerobic Treatment of a Pharmaceutical Wastewater." *J. ENVIRON. SCI. & TECHNOL.*, No: 40, Pages: 3971- 3977.
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## Oral/Poster presentations

1. A. Ebrahimi, MM. Amin, A. Farahani, M. Hajian, M. Ghasemian, "Application of Passive Sampling Technique in Measuring Organochlorine pesticides in groundwater Resources", *Proceedings of IWA Conferences, Busan, 2012*.
2. P. Atabakhsh, M. M. Amin, H. Mortazavi, M. Yaran, A. A. Sepahi, M. Jalali, "Identification Of Total And Fecal Coliforms And Heterotrophic Plate Count Through Microbiological Method And E.coli 0157:H7 By Immunological, And Real Time PCR Methods In Isfahan Water Treatment Plant", *Proceeding of Sustainable Water Solutions for Changing Urban Environment, 4-8 July 2011, Singapore*;
3. Amin M. M., A. Khodabakhshi, H. Sadeghi, S. Kheiri, M. Hajian (2009): "Determination of, malachite green as an endocrine disrupter in trout tissue and water of the fish farms", *Proceedings of the International Meeting Health and Environment: Challenges for the Future, 9 – 11 December 2009, Rome, Italy*. (Poster presentation, Best Poster);
4. Amin Mohammad Mehdi, Khodabakhshi Abbas, Khiadani Mehdi, Sadeghi Hojjat (2009): "Determination of malachite green as an endocrine disrupter in trout tissue and water of fish farms in Chahar-Mahal and Bakhtiari", *Proceedings of the 2<sup>nd</sup> Iranian Congress of Endocrine & Metabolism Updates, 22-24 April 2009, Isfahan University of Medical Sciences, Isfahan, Iran* (Oral Presentation).
5. Amin Mohammad Mehdi, Estabar Maryam, Ghasemian Mohammad, and Jaafarzadeh Neemat (2008): "Biodegradation of BTX in Petrochemical Industries Wastewater through Anaerobic Sequencing Biofilm Batch Reactor (ASBBR) in bench scale", *Proceedings of IWA Chemical Industries Conference, 9-11 November 2008, Beijing, China*, (Poster Presentation);
6. Moradpour Heshmat Allah, Amin Mohammad Mehdi, Nikaeen Mahnaz, Molaei Reza, Sabouri Amin, Ghasemian Mohammad, Teimouri Fahimeh (2008): "Anaerobic Biodegradation of Polychlorinated Biphenyls ( PCBs) by Specific Methanogenic Activity (SMA) test", *Proceeding of The 11th National Congress on Environmental Health, 28-30 October, 2008, Zahedan, Iran* (Poster Presentation);
7. Teimouri Fahimeh, Nikaeen Mahnaz, Amin Mohammad Mehdi, Molaei Reza, Sabouri Amin, Ghasemian Mohammad, Moradpour Heshmat Allah, (2008): "Aerobic Biodegradation of Polychlorinated Biphenyls ( PCBs) in batch system", *Proceeding of The 11th National Congress on Environmental Health, 28-30 October, 2008, Zahedan, Iran* (Oral Presentation);
8. Amin Mohammad Mehdi, Ghasemian Mohammad, Morgenroth Eberhard, and Jaafarzadeh Neemat (2007): "Biodegradation of MTBE and TBA in Anaerobic Sequencing Batch Reactor (ASBR) and Specific Methanogenic Activity (SMA) Test", *Proceeding of the 11<sup>th</sup> World Congress on Anaerobic Digestion (AD-11), 23-27 September 2007, Brisbane, Queensland, Australia*, (Poster Presentation);
9. Mahmoudian Mohammad Hassan, Amin Mohammad Mehdi, Shahmansouri Mohammad Reza, Torkian Ayoub, and Ghasemian Mohammad, (2007): "Treatment Spent Filter Backwash Water Using Dissolved Air Flotation: In Isfahan Water Treatment Plant", *International Symposium on New Directions in Urban Water Management, 12-14 September 2007, UNESCO Headquarters, Paris, France*; (Poster Presentation);
10. Amin Mohammad Mehdi, Nahid Fatehi (2007): "Control of microbial infections through monitoring of hospital environment", *Proceeding of Congress on Role of Health and Medical personnel on Prevention of Hospital Infections, May, 17-18, 2007, Isfahan, Iran*, (Poster Presentation);
11. Amin Mohammad Mehdi, Mohammad Ghasemian, Atefeh Boroumand, Alireza Momeni, Hamid Ghodousi (2007): "Environmental Impact Assessment (EIA) of Development Plan in Rangsan



Industrial Park”, *The First congress on Environmental Engineering, February 2007*, Tehran, Iran, (Poster Presentation);

12. Amin Mohammad Mehdi, Hasshemi Hassan, and Ghasemian Mohammad (2006): "Influence of three antibiotics: Amoxicillin, Oxy-tetracycline, and Tylosin on Specific Methanogenic Activity (SMA) of anaerobic biomass", *The 9<sup>th</sup> National Congress on Environmental Health, 7-9 November, 2006*, Isfahan, Iran, (Oral Presentation);
13. Amin Mohammad Mehdi, Ghasemian Mohammad, Torkian Ayoub, Jaafarzadeh Neemat (2006): "Survey on inhibitory effect of MTBE on anaerobic biomass activity through specific methanogenic activity (SMA) test", *The 9<sup>th</sup> National Congress on Environmental Health, 7-9 November, 2006*, Isfahan, Iran (Oral Presentation);
14. Shahmansouri M. R., Amin M. M., Mahmoodian M. H., Ghasemian M, (2006): "Recovering of Spent Filter Backwash Water using Dissolved Air Flotation (DAF) in Isfahan WTP", *The 9<sup>th</sup> National Congress on Environmental Health, 7-9 November, 2006*, Isfahan, Iran (Oral Presentation).
15. Pourmoghaddas H., Movahedian H., Ebrahimi A., and Amin M. M. (2006): "A study of the removal efficiency of linear alkyl benzene sulfonic acids (LAS) in fixed and conventional activated sludge", *The 9<sup>th</sup> National Congress on Environmental Health, 7-9 November, 2006*, Isfahan, Iran (Oral Presentation).
16. Mardani H., Amin M. M., Ghasemian M, (2006): "Survey on Etidium Bromide disposal methods and to introduce the effective approach in biological and chemical research centers", *The 9<sup>th</sup> National Congress on Environmental Health, 7-9 November, 2006*, Isfahan, Iran (Poster Presentation).
17. Amin Mohammad Mehdi, Hossein Farokhzadeh, Mohammad Reza Dehghani, and Mohammad Ghasemian (2006): "Pit Latrine as a Strategy for Excreta Disposal in Emergencies – A Case Study in Bam Earthquake (Bam Town-Iran)". *The 2<sup>nd</sup> International Dry Toilet Conference, 16-19 August 2006*, Tampere, Finland (Oral Presentation).
18. Alizadeh A., Amin M. M., (2006): "Carcinogenic effects of pharmaceutical and hormones residuals in water and effluents." *The First National Congress on Environment, Occupation, and Cancer in Iran, May 27-29, 2006*, Tehran, Iran (Oral Presentation).
19. Amin, M., J. Zilles, J. Greiner, S. Charbonneau, L. Raskin, E. Morgenroth (2004): "Influence of the Antibiotic Erythromycin on Anaerobic Treatment of A Pharmaceutical Wastewater", *The 10th IWA World Congress on Anaerobic Digestion 2004, August 29th to September 2nd, 2004*, Montreal, Canada (Oral Presentation).
20. Torkian A., Amin M. M., Kasra-Kermanshahi R., and Iran-Pour R. (2003): "Pre- and Post-Granulation Performance of UASB System treating High-Strength Industrial Effluent", *Proceeding of the Congress of WefTec-2003, Los-Angeles, CA, USA* (Oral Presentation).
21. Amin M. M., Torkian A., Bina B. (2002): "Performance comparison of horizontal- flow anaerobic immobilized sludge (HAIS) reactor and UASB reactor using a synthetic substrate." *The 5<sup>th</sup> National Conference of Environmental Health, Oct. 25-27, 2002*, Iran University of Medical Sciences, Tehran, Iran (Oral Presentation).
22. Amin M.M, Shokuhmand P., and Fekri Sh. (2001): "Performance evaluation of Environmental Aspects in Balance Plan (TARHE TAVAZON) In Isfahan Steel Co.", *Proceeding of the Symposium of Steel-2001, February 19-20, 2001*, Isfahan University of Technology, Isfahan, Iran (Oral Presentation).
23. Shahmansouri M. R., Amin M. M., Vahid-e-Dastjerdi M (1997): "Determination of detergents in Zayandeh-rood River", *Proceeding of the Second Iran and Germany Common Symposium of Water and Wastewater, September 24-25, 1996*, Tehran- Iran (Oral Presentation).

24. Torkian A., Amin M. M., Salehi M. S., Movahedian H. (1997): "Performance evaluation of UASB in treating slaughterhouse effluent", *Proceeding of the 4th International Conference on Civil engineering*, May 4-6, 1997, Sharif University of Technology (Oral presentation).
25. Torkian A., Amin M. M., Salehi M. S., Movahedian H., Karbasi M., Kasra-Kermanshahi R. (1997): "Granulation in UASB for treatment of Isfahan Slaughterhouse wastewater", *Proceeding of the Third Conference on the Survey of Issues and Challenges facing Water and Wastewater Industry*, Sep 30 - Oct 2, 1997, Isfahan Water and Wastewater Cooperation, Isfahan, Iran (Oral Presentation).
26. Parvaresh A.R., Amin M.M, Banagozar-Ahari R., Khosravi R. (2000): "Survey in quality of Handling and Disposal of Hospital Infectious Wastes in Isfahan," *Proceeding of the Third National Conference of Environmental Health*, Oct. 31- Nov. 2, 2000, Kerman, Iran (Oral Presentation).
27. Amin M.M, Mazloom S.M., Banagozar-Ahari R., and Afrooz S. (2000): "Survey of infection control in Esfahan Hospitals," *Proceeding of the Third National Conference of Environmental Health*, Oct. 31 - Nov. 2, 2000, Kerman, Iran (Poster Presentation).
28. Sheikhi K., Amin M.M., Akbari B., Movahedian H. (2004): "Performance evaluation of UASB reactor in removal of Phenol from synthetic substrate", *The 7<sup>th</sup> National Conference of Environmental Health*, Sep. 22-24, 2004, Shahrekord, Iran (Oral Presentation).
29. Sadri Gh. H., Amin M. M., Rafiiea M., Banagozar Ahari R., and Ahmadi M. (2001): "Start-up of Health Award in Isfahan Hospitals", *The 4<sup>th</sup> National Conference of Environmental Health*, Oct. 6-8, 2001, Yazd, Iran (Poster Presentation).

## PROFFESIONAL SERVICES

### Reviewer in the international journals

- 1- Reviewer of "Desalination Journal", 2010-Present;
- 2- Reviewer of "Environmental Technology Journal", 2010-Present;
- 3- Reviewer of "Iranian Journal of Environmental Health Sciences & Engineering (ISI)", 2008-Present;
- 4- Reviewer of "Water Research Journal", 2011- Present;

### Organizing Workshops

2001	The regional workshop on upgrading of Health in field of hospital solid wastes management, <i>January 19 – 20, 2001, Isfahan, Iran</i>
2005	"Industrial Wastewater Treatment in Steel Manufacturing Plants", for Operators & Experts of Mobarakeh Steel Co., November 9-10, 2005, Isfahan, Iran.
2006	The local workshop on "Housing Health", for Environmental. Health Officers, Khomeini-Shahr Health & Medical Network, July 9, 2006, Isfahan, Iran
2012	World environment Day, Isfahan University of Medical Sciences, Isfahan, IRAN
2013	Ozone day, Isfahan University of Medical Sciences, Isfahan, IRAN
2014	Clean air day, Isfahan University of Medical Sciences, Isfahan, IRAN
2014	Painting competition, Isfahan University of Medical Sciences, Isfahan, IRAN
2018	Clean Earth day May, Isfahan University of Medical Sciences, Isfahan, IRAN

## TEACHING EXPERIENCE

YEAR	COURSE TITLE	MAJOR
2015	Environmental Health in Disasters and Emergencies	Ph.D.
2015	Wastewater Reclamation and Reuse	Ph.D.
2010	Innovative Methods for Wastewater Treatment: Processes and Design	Ph.D.
2010	Water and Soil Bioremediation	Ph.D.

YEAR	COURSE TITLE	MAJOR
2007	Integrated Solid Waste Management	Ph.D.
2006	Industrial Wastewater Treatment	M.Sc. and B.Sc.
2006	Wastewater Treatment Plant Design	M.Sc.
2006	Water Treatment Plant Design	M.Sc.
2006	Wastewater Collection (Sewer) and Runoff Systems	B.Sc.

#### PROFESSIONAL/SCIENTIFIC ASSOCIATION MEMBERSHIP

- 1- Member of International Water Association (IWA), 2008-Present;
- 2- Editor in Chief, International Journal of Environmental Health Engineering (IJEHE), 2011-Present
- 3- Member of Environmental Health Association of Iran, 2002-Present;
- 4- Guest editor of Environmental and Public Health Journal, Hindawi, 2011

#### WORKSHOP AND TRAINING

- 1- Workshop on: "*Patterns and Methods of Active Teaching*", Isfahan University of Medical Sciences - Education and Development Center- (EDC), 6-8 August, 2005, Isfahan, Iran.
- 2- Workshop on: "*Education Planning, Teaching Method, and Student Evaluation*", Isfahan University of Medical Sciences - Education and Development Center- (EDC), 6-8 August, 1999, Isfahan, Iran.
- 3- Workshop on: "*Consulting and Guidance of Students*", Isfahan University of Medical Sciences - Education and Development Center- (EDC), 5 March, 2006, Isfahan, Iran.
- 4- Workshop on: "*Student Evaluation and Methods of Question Design with emphasis on Multiple Choice Questions*", Isfahan University of Medical Sciences - Education and Development Center- (EDC), 22-23 June, 2006, Isfahan, Iran.
- 5- Workshop on: "*Neutron Activation Analysis and that Use in Environmental Samples*", Isfahan University of Medical Sciences - Education and Development Center- (EDC), 4-7 March, 2006, Isfahan, Iran.
- 6- Workshop on: "Human exposure distribution to air quality pollution in Europe" Isfahan University of Medical Sciences - Alessandro Fasso - University of Bergamo, 17 April, 2014.