

Curriculum Vitae



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WORK ADDRESS

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Education

B.S.: Chemistry, August 1984
Shiraz University, Shiraz, Iran
M.S.: Environmental Science in civil Engineering, May 1989
University of Illinois at Urbana-Champaign
Research: "Studies on Methods for the Isolation and Concentration of Inositol Phosphate Congeners."
Advisor: Dr. Roger A. Minear, Director of Institute for Environmental Studies,
University of Illinois at Urbana. Champaign.

Ph.D: Environmental Health 2006
Tehran University of Medical Sciences, Tehran, Iran.
Dissertation: Study of atrazine levels in the agricultural soils of Shiraz and its vicinity and the efficiency of atrazine biodegradation process.
Advisors: Dr. S. Nasserri and Dr. S. Amin

Research Experience

Graduate research assistant: University of Illinois, Institute for environmental studies, Urbana-Champaign, Illinois, USA, 1986-1988.

PROFESSIONAL EXPERIENCES

Sep, 1993 to Sep, 1996

Part time lecturer at Shiraz University of Medical Sciences, Shiraz, Iran

Sep, 1996 to Sep, 2000

Full time lecturer at Shiraz University of Medical Sciences, Shiraz, Iran
Head of the department of Environmental and Occupational Health, School of Health, Shiraz University of Medical Sciences, Shiraz, Iran (1/1999 to 8/99)

Sep, 2000 to Aug, 2006

Doing a PhD in Environmental Health at Tehran University of Medical Sciences.

Sep, 2006 to Aug, 2013

Full time Assistant Professor, School of Health, Shiraz University of Medical Sciences, Shiraz, Iran

Aug, 2013

Full time Associate Professor, School of Health, Shiraz University of Medical Sciences, Shiraz, Iran

Jan, 2018

Full time Professor, School of Health, Shiraz University of Medical Sciences, Shiraz, Iran

Teaching Experience

Courses taught (1993-2018):

- 1- Water treatment
- 2- Municipal wastewater treatment
- 3- Chemical principles in water and wastewater treatment
- 4- Biological principles in water and wastewater treatment
- 5- Hazardous wastes
- 6- Municipal and industrial wastewater treatment
- 7- Operation and maintenance of water and wastewater treatment
- 8- Environmental Hygiene to the students of Public Health
- 9- The principles of Occupational Hygiene to the students of Master of Public Health (MPH) and residents of Community Medicine

Technical Skills

High Performance Liquid Chromatography (HPLC): Use of a post column UV reactor and flow injection system.

Gas chromatography (GC): Use of a 2 mm i.d. column, packed with 5% OV-17

Shimalide Thin layer chromatography (TLC): use of cellulose plates (regular and microcrystal)

Sample concentration procedure: use of ultra-

Filtration, filter sampling through YCO5 membrane with different diameters.

Mass Spectrophotometer: to calibrate standard curve.

Publication

- 1- Minear RA, Dehghani M, Development of a post column UV reactor and flow injection analyzer system for HPLC analysis of organic phosphorus compounds 9th Midwest water chemistry workshop Oct 20-4 1986, Chicago, Illinois.
- 2- Minear RA, Dehghani M, Use of a post column UV reactor and flow injection system for the isolation and concentration of inositol phosphate congeners: Dehghani, M. Environmental Chemistry Division of American Chemical Society, Vol 27, no 1, 1987.
- 3- Studies on methods for the separation and identification of inositol phosphate congeners in water samples by HPLC, 2nd Asian conference on water and wastewater management 2001.
- 4- Dehghani M, Nasser N, Amin S.A, K Naddafee, M Taghavi, M Yunesian, N Maleky, Isolation and Identification of Atrazine- Degrading Bacteria from Corn Field soil in Fars Province of Iran, Pakistan Journal of Biological Sciences 10 (1): 84-89, 2007.
- 5- Dehghani M, Nasser N, Amin S.A, Zamanian Z. Assessment of atrazine distribution in Shiraz soils, south of Iran, Pakistan Journal of Biological Sciences. 2010, 13(2). 66-72.
- 6- Dehghani M, Nasser S, Hashemi H, Study 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, 2013.
- 9- M Dehghani, S Nasser, S Amin, K Naddafe, Z Zamanian. Studying the Fate of Atrazine through the Passage of Time in Four Agricultural Corn Fields Soil in Fars Province of Iran.

- 10- S. Nasser, M. Dehghani, S. Amin, K. Naddafi, Z. Zamanian Fate of atrazine in the agricultural soil of corn fields in Fars province of Iran, Iran. J. Environ. Health Sci. Eng., 2009, Vol. 6, No. 4, pp. 223-232.
- 11- Dehghani M, Tex F, Zamanian Z, Assessment of the Potential of Scale Formation and Corrosivity of Tap Water Resources and the network Distribution System in Shiraz, South Iran, Pakistan Journal of Biological Journal Sciences, 13(2): 88 -92, 2010.
- 12- Dehghani M, Binaee Haghighi A, Zamanian Z, The Efficiency of Amberjet 4200 Resin in Removing Nitrate in the Presence of Competitive Anions from Shiraz Drinking Water, Journal of Biological Journal Sciences, 13(11):551-555, 2010.
- 13- Zamanian Z, Kakooie H, Ayattollahi S. M.T, Dehghani M, Effect of Bright Light on Shift Word Nurses in Hospitals, Journal of Biological Journal Sciences, 13(9):431-436, 2010.
- 14- Zamanian Z, Gharepoor S, Dehghani M., Effects of electromagnetic fields on mental health of the staff employed in gas power plants, Shiraz, Journal of Biological Journal Sciences, 13(19): 956-960, 2010.
- 15- Zamanian Z, Dehghani M, Mohammady H, Rezaeian MH, Daneshmandi H, Investigation of shift work disorders in security personnel of hospitals affiliated to Shiraz University of medical. International Journal of Occupational Hygiene. 2012, 13(9). 431-436.
- 16- Taghizadeh MM, Dehghani M. Rastgoo E, GIS-assisted dispersion of SO₂ in the industrial regions Pakistan Journal of Biological Sciences, 2013.
- 17- Zamanian Z, Dehghani M. Hashemi H, Outline of changes in cortisol and melatonin circadian rhythm in the security guards of Shiraz University of Medical Science, International Journal of Preventive Medicine. 2013, 4, 825-830.
- 18- Dehghani M, Shiebani Seresht S, Hashemi H, Study of the removal efficiency of COD from the educational hospital wastewater using electrocoagulation in Bandar Abbas, Southern Iran, International Journal of Environmental Health Engineering
- 19- Dehghani M, Nasser S, Zamanian Z: Biodegradation of alachlor in liquid and soil cultures under variable carbon and nitrogen sources by bacterial consortium isolated from corn field soil. J Environ Health Sci Eng, 2013.
- 20- Dehghani M, Nasser S, Karamimanesh M: Removal of 2,4-Dichlorophenolxyacetic acid (2,4-D) herbicide in the aqueous phase using modified granular activated carbon. J Environ Health Sci Eng, 2014, 12(28).
- 21- Dehghani M, Nasser S, Hashemi H: 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. *J Environ Public Health*, 2013, Article ID 973165.
- 22- Minear RA, Dehghani M, Use of a post column UV reactor and flow injection system for the isolation and concentration of inositol phosphate congeners: Dehghani, M. *Environmental Chemistry Division of American Chemical Society*, Vol 27, no 1, 1987.
- 23- Dehghani M, S Nasser, S Amin, K Nadafi, M Taghavi, M Yunosian, N Maleky, Atrazine Adsorption Desorption Behavior in Darehasaluie Kavar Corn Field Soil, *Iran Journal of Environmental Health Science and Engineering*, 2005, Vol.2, no.4, PP. 221-228.
- 24- Dehghani M, Nasser S, Hashemi H, Study 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*, 2013.
- 25- Omrani R, Zamanian Z, Hashemi H, 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*. 2013, 13(11). 551-555.
- 26- Taghizadeh MM, Dehghani M, Rastgoo E, GIS-assisted dispersion of SO₂ in the industrial regions *Pakistan Journal of Biological Sciences*, 2013.
- 27- Dehghani M, Shiebani Seresht S, Hashemi H: Treatment of hospital wastewater by electrocoagulation using aluminum and iron electrodes, *International Journal of Environmental Health Engineering*. 2 (5) 2013.
- 28- Dehghani M, Nasser S, Ahmadi M, Samaei MR, Anushiravani A: Removal of penicillin G from aqueous phase by Fe⁺³-TiO₂/UV-A process. *J Environ Health Sci Eng*, 2014, 12(56).
- 29- Farzadkia M, Dehghani, M., Moafian M: The effects of Fenton process on the removal of petroleum hydrocarbons from oily sludge in Shiraz oil refinery, Iran. *J Environ Health Sci Eng* 2014, 12(31).
- 30- Dehghani, M., Taghizadeh M, Hashemi H, Rastgo E: A Preliminary Assessment of Dispersion Level of SO₂ in Fars Industrial Region, South of Iran, by GIS. *Journal of Environmental and Public Health*. 2013.
- 31- Dehghani M, Anushiravani A, Hashemi H, Shamseldini N: Survey on Air Pollution and Cardiopulmonary Mortality in Shiraz from 2011 to 2012: An Analytical-Descriptive Study. *International Journal of Preventive Medicine*. Vol 5, No 6, June, 2014.

- 32-Dehghani M, Nabipour I, Dobaradaran S, Godarzi H: Study Cd and Pb Concentrations in the Surface Sediments of the Asaluyeh Bay, Iran. *Journal of Community Health Research*. 2014; 3(1).
- 33-Dehghani M, Taatizadeh B, Samaei MR: Biodegradation of n-Hexadecane in *Acinetobacter Radioresistens* Liquid Culture. *Health Scope*. 2013 November; 2(3): 162-7.
- 34-Dehghani M, Shabestari R, Anushiravani A, Shamseldini N: Application of Electrocoagulation Process for Reactive Red 198 Dye Removal from the Aqueous Solution. *Iranian Journal of Health Sciences*. 2014; 2(2): 1-9.
- 35-Dehghani M, Ahmadi M, Nasserri S: Photodegradation of the Antibiotic Penicillin G in the Aqueous Solution Using UV-A Radiation. *Iranian Journal of Health Sciences*. 2014; 2(1).
- 36-Dehghani M, Hashemi H, Karamimaneh M: Evaluation of the chemical and microbial quality of bottled water distributed during disasters. *International Journal of Health System and Disaster Management*. 1(2), 2013.
- 37-Mohebzadeh T, Taghizadeh M, Takdastan A, Dehghani M, Comparing the performance of wastewater treatment using activated sludge and aerated lagoons processes in the removal efficiency of estradiol hormones. *Jundishapur Journal of Health Sciences*, 5 (3), 2013
- 38-Dehghani, M., Taghizadeh m: Designing biological filters to eliminate odors in septic tank based on the amount of hydrogen sulfide. *Jundishapur Journal of Health Sciences*, 5 (2), 2013.
- 39-Dehghani, M., Farzadkia M, Shamsavani E, Samaei MR: Optimizing photo-Fenton like process for the removal of diesel fuel from the aqueous phase *J Environ Health Sci Eng* 2014, 12(87).
- 40-Dehghani M, Taghizadeh m: GIS-assisted dispersion of BTEX in the industrial regions of Zarghan, Iran. *Journal of Environmental Studies*, 39 (4), 2013.
- 41-Behzadi S, Dehghani M, Sekhavatjo MS. Optimization of Advanced Oxidation Process Fenton for COD Removal from Wastewater containing Amoxicillin by using Taguchi Experimental Design. *Journal of Health System Research*. 11, 2013.

- 42- Dehghani M, Z Zamanian, P Azadbakht, R Pakizehkhoo, H Hashemi. The Correlation of Shiraz Air Pollutants on the Hospital Admission Due to the Cardiopulmonary Disease in Shiraz Selective Educational Hospitals. *Journal of Health System Research*. 8, 2013.
- 43- Zamanian Z, Rostami R, Hasanzadeh J, Dehghani M, Hashemi H. The Effect of Occupational Noise Exposure on Blood Pressure and Heart Rate among Workers of a Steel Industry. *Journal of Health Magazine*. 5 (4), 2014.
- 44- Dehghani, M., Mohammad Doleh, Hasan Hashemi, Narges Shamsaddini. The Quality of Raw and Treated Water of Desalination Plants by Reverse Osmosis in Qeshm. *Journal of Health & Development*. 2 (1).2013.
- 45- Dehghani, M., Safinia Falah M, Hashemi M, Shamsadini N. Evaluation of Environmental Health Indicators in Motels, Hotels and Hotel Apartments in Shiraz. *Journal of Toloe Health*. 4 (42). 2013.
- 46- Dehghani, M., ASaeedi Aboueshaghi, Zahra Zamanian. A study of the relationship between indoor and outdoor particle concentrations in Hafez hospital in Shiraz. *Journal of Health System Research*. 8, 2012.
- 47- M. Dehghani, S. Sheibani Seresht, MM. Taghizadeh, Optimization of organic compounds removal from Wastewater by Electrocoagulation. *Hormozgan Medical Journal*, Vol 19, No.1, April-May 2015
- 48- Dehghani, M.; Mohammad Mehdi Taghizadeh; Talat Gholami; Mahshid Ghadami; Laila Keshtgar; Zahra Elhameyan; Mohammad Reza Javaheri; Narges Shamsedini, Fatemeh Jamshidi Samaneh Shahsavani; Masoud Ghanbarian, Optimization of the Parameters Influencing the Photo-Fenton Process for the Decolorization of Reactive Red 198 (RR198), *Jundishapur J Health Sci*. 2015 April; 7(2): e28243.
- 49- M. Dehghani, S. Sheibani Seresht, MM. Taghizadeh, Optimization of organic compounds removal from Wastewater by Electrocoagulation. *Hormozgan Medical Journal*, Vol 19, No.1, April-May 2015.
- 50- M. Dehghani, Farzaneh Rozzstami; Mohammad Reza Javaheri; Samaneh Shahsavani; Narges Shamsedini, The Survey on the Physical School Environmental Health Conditions in Kazeroon From 2013 to 2014: An Analytical Descriptive Study. *Int J School Health*. 2015 April; 2(2): e23679.
- 51- M. Dehghani, Hosain Sadatjo, Hoshang Maleknia, Narges Shamsedini. A Survey on the Removal Efficiency of Fat, Oil and Grease in Shiraz Municipal

Wastewater Treatment Plant. Jentashapir J Health Res. 2014 December; 5(6): e26651.

- 52- Mitra Abbasi; M. Dehghani, Gholamreza Moussavi; Abalfazl Azhdarpoor. Degradation of Organic Matter of Municipal Sewage Sludge Using Ultrasound Treatment in Shiraz Wastewater Treatment Plant. Health Scope. 2015 February; 4(1): e23507.
- 53- M. Dehghani, Shahin Behzadi, Mohammad Sadegh Sekhavatjou Optimizing Fenton process for the removal of amoxicillin from the aqueous phase using Taguchi method. Desalination and Water Treatment 2015, 1-10 doi: 10.1080/19443994.2015.1005143
- 54- Majid Nozari, Mohammad Reza Samaei, M. Dehghani, The Effect of Co-Metabolism on Removal of Hexadecane by Microbial Consortium from Soil in a Slurry Sequencing Batch Reactor *J Health Sci Surveillance Sys* July 2014; Vol 2; No 3
- 55- Aboalfazl Azhdarpoor, Payam Mohammadi, M. Dehghani. Removal of phosphate from municipal wastewater using anaerobic /aerobic modified SBR reactor International Journal of Environmental Science and Toxicology (ISSN: 2315-9927) Vol. 2(8) pp. 152-159, August, 2014
- 56- Majid Nozari, Mohammad Reza Samaei, Dehghani, M, Investigation of the Effect of Co-Metabolism on Removal of Dodecane by Microbial Consortium from Soil in a Slurry Sequencing Bioreactor Bioremediation & Biodegradation October 2014, 5:7 <http://dx.doi.org/10.4172/2155-6199.1000253>
- 57- Dehghani, M, Mohammad Rezaei; Narges Shamsedini; Hoshang Maleknia; Mohammad Reza Javaheri. The Effects of Temperature on the Performance of Anaerobic Sequencing Batch Reactor in the Treatment of Synthetic Dairy Wastewater. Jundishapur J Health Sci. 2014 October; 6(4): e23455. DOI: 10.5812/jjhs.23455
- 58- A. Azhdarpoor, P. Mohammadi, M. Dehghani, Simultaneous removal of nutrients in a novel anaerobic–anoxic/aerobic sequencing reactor: removal of nutrients in a novel reactor, International Journal of Environmental Science and Technology Published online 4 Aug 2015. DOI 10.1007/s13762-015-0871-5
- 59- Narges Shamsedini, Baghapour Mohammad Ali, Dehghani, M, Simin Nasseri. Photodegradation of Atrazine by Ultraviolet Radiation in Different Conditions. *J Health Sci Surveillance Sys* July 2015; Vol 3; No 3
- 60- Dehghani, M., Mahshid Ghadami, Talat Gholami, Marzieh Ansari Shiri, Zahra elhameyan, Mohammad Reza Javaheri, Narges Shamsedini, Samaneh Shahsavani. Optimization of the Parameters Affecting the Fenton Process for Decolorization of Reactive Red 198 (RR-198) from the Aqueous Phase *J Health Sci Surveillance Sys* October 2015; Vol 3; No 4

- 61- Shamsedini, N., Dehghani, M., Nasser, S., Baghapour, M.A. Photocatalytic degradation of atrazine herbicide with Illuminated Fe⁺³-TiO₂ Nanoparticles 2017 Journal of Environmental Health Science and Engineering
- 62- Dehghani, M., Keshtgar, L., Javaheri, M.R., Zuccarello, P., Ferrante, M. The effects of air pollutants on the mortality rate of lung cancer and leukemia 2017 Molecular Medicine Reports
- 63- Dehghani, M., Fazlzadeh, M., Sorooshian, A., Mahvi, A.H., Rashidi, M. Characteristics and health effects of BTEX in a hot spot for urban pollution 2018 Ecotoxicology and Environmental Safety
- 64- Shamsavani, S., Dehghani, M., Hoseini, M., Fararouei, M. Biological monitoring of urinary 1-hydroxypyrene by PAHs exposure among primary school students in Shiraz, Iran 2017 International Archives of Occupational and Environmental Health
- 65- Derakhshan, Z., Ghaneian, M.T., Mahvi, A.H., Dehghani, M., Ferrante, M. A new recycling technique for the waste tires reuse 2017 Environmental Research
- 66- Derakhshan, Z., Mahvi, A.H., Ehrampoush, M.H., Dehghani, M., Fallahzadeh, H. Evaluation of kenaf fibers as moving bed biofilm carriers in algal membrane photobioreactor 2018 Ecotoxicology and Environmental Safety
- 67- Derakhshan, Z., Mahvi, A.H., Ehrampoush, M.H., Dehghani, M., Ghaneian, M.T., Abtahi, S.M. Studies on influence of process parameters on simultaneous biodegradation of atrazine and nutrients in aquatic environments by a membrane photobioreactor 2018 Environmental Research
- 68- Dehghani, M., Behzadi, S., Sekhavatjou, M.S. Optimizing Fenton process for the removal of amoxicillin from the aqueous phase using Taguchi method 2016 Desalination and Water Treatment
- 69- Dehghani, M., Sorooshian, A., Nazmara, S., Baghani, A.N., Delikhoon, M. Concentration and type of bioaerosols before and after conventional disinfection and sterilization procedures inside hospital operating rooms 2018 Ecotoxicology and Environmental Safety
- 70- Derakhshan, Z., Ehrampoush, M.H., Mahvi, A.H., Dehghani, M., Faramarzian, M., Eslami, H. A comparative study of hybrid membrane photobioreactor and membrane Chemical Engineering Journal photobioreactor for simultaneous biological removal of atrazine and CNP from wastewater: A performance analysis and modeling 2018 Chemical Engineering Journal

- 71- Shooshtarian, M.R., Dehghani, M., Margherita, F., Gea, O.C., Mortezaazadeh, S. Land use change and conversion effects on ground water quality trends: An integration of land change modeler in GIS and a new Ground Water Quality Index developed by fuzzy multi-criteria group decision-making models 2018

Food and Chemical Toxicology

- 72- Derakhshan, Z., Ehrampoush, M.H., Mahvi, A.H., Dehghani, M., Berizi, E., Bahrami, S. Biodegradation of atrazine from wastewater using moving bed biofilm reactor under nitrate-reducing conditions: A kinetic study 2018 Journal of Environmental Management
- 73- Dehghani, M., Kamali, Y., Jamshidi, F., Shiri, M.A., Nozari, M. Contribution of H₂O₂ in ultrasonic systems for degradation of DR-81 dye from aqueous solutions 2018 Desalination and Water Treatment
- 74- Derakhshan, Z., Mahvi, A.H., Ghaneian, M.T., Dehghani, M., Ehrampoush, M.H., Bahrami, S. Simultaneous removal of atrazine and organic matter from wastewater using anaerobic moving bed biofilm reactor: A performance analysis 2018 Journal of Environmental Management
- 75- Dehghani, M., Nozari, M., Fakhraei Fard, A., Ansari Shiri, M., Shamsedini, N. Direct red 81 adsorption on iron filings from aqueous solutions; kinetic and isotherm studies 2018 Environmental Technology (United Kingdom)
- 76- Derakhshan, Z., Ehrampoush, M.H., Mahvi, A.H., Dehghani, M., Ebrahimi, A.A., Fallahzadeh, H. Evaluation of a moving bed biofilm reactor for simultaneous atrazine, carbon and nutrients removal from aquatic environments: Modeling and optimization 2018 Journal of Industrial and Engineering Chemistry
- 77- Dehghani, M., Ansari Shiri, M., Shahsavani, S., Shamsedini, N., Nozari, M. Removal of direct red 81 dye from aqueous solution using neutral soil containing copper 2017 Desalination and Water Treatment
- 78- Mohammadi, Z., Azhdarpoor, A., Dehghani, M. Stabilization and dewatering of wastewater treatment plant sludge using combined bio/Fenton-like oxidation process 2017 Drying Technology
- 79- Shahsavani, S., Hoseini, M., Dehghani, M., Fararouei, M. Characterization and potential source identification of polycyclic aromatic hydrocarbons in atmospheric particles (PM₁₀) from urban and suburban residential areas in Shiraz, Iran 2017 Chemosphere
- 80- Aboalfazl Azhdarpoor¹, Rabieh Hoseini¹ and Mansooreh Dehghani investigation of Combined Fenton/Bioleaching and Bio-Acidification/Fenton-Like Processes in the Removal of Sludge-Borne Metals, Health Scope, 2018

- 81- Samaneh Shahsavania, Mohammad Reza Shooshtarianb, Hamid Reza Tabatabaeid, Mansooreh Dehghani, An ontology-based approach for modeling the heavy metals' temporal and spatial variations in groundwater resources by using fuzzy multi-criteria group decision-making models and geographical information system. *Desalination and Water Treatment*, 2018
- 82- Majid Nozari, Mohammad Reza Samaei, Mansooreh Dehghani, and Ali Asghar Ebrahimi Bioremediation of Alkane Hydrocarbons Using Bacterial Consortium from Soil Health Scope 2018
- 83- Hamzavi, S.S., Amanati, A., Badiee, P, Dehghani, M., Norouzian Baghani, A. Changing face of *Candida* colonization pattern in pediatric patients with hematological malignancy during repeated hospitalizations, results of a prospective observational study (2016-2017) in shiraz, Iran. *BMC Infectious Diseases* 2019
- 84- Dehghani, M., Nozari, M., Fakhraei Fard, A., Ansari Shiri, M., Shamsedini, N. Direct red 81 adsorption on iron filings from aqueous solutions; kinetic and isotherm studies, *Environmental Technology (United Kingdom)* 2019
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- 86- Mohammadi Jahromi, N.S., Jonoubi, P., Majd, A., Dehghani, M. Root structural changes of two remediator plants as the first defective barrier against industrial pollution, and their hyperaccumulation ability, *Environmental Monitoring and Assessment* 2019
- 87- Dehghani, M., Nozari, M., Samaei, M.R., Shiri, M.A. Biostimulation and bioaugmentation for the enhanced atrazine degradation in semi-saline medium. *Desalination and Water Treatment* 2019
- 88- Dehghani, M., Nabipour, I., Dobaradaran, S., Godarzi, H. Trace metals level in sediments and bivalve *Trachycardium lacunosum* shell in the Persian Gulf. *International Journal of Environmental Science and Technology* 2019
- 89- Dehghani, M., Kashtgar, L., Davoodi, S., Shamsedini, N., Zaravar, F. Data on the trend of corrosivity and scale formation potential of Shiraz groundwater drinking water resources during 2001–2007, *Data in Brief* 2019
- 90- Mohammadi Jahromi, N.S., Jonoubi, P., Majd, A., Dehghani, M, Investigating the anatomy of the halophyte *Salsola Crassa* and the impact of industrial wastewater on its vegetative and generative structures. *Turkish Journal of Botany* 2019
- 91- Keshtgar, L., Rostami, A., Azimi, A.A., Dehghani, M., Ataollahi, S, The impact of barrier walls (Baffle) on performance of septic tanks in domestic wastewater treatment. *Desalination and Water Treatment* 2019
- 92- Amin, M.M., Yousefinejad, S., Dehghani, M., Rahimi, S. Electro Fenton process catalyzed by Fe@Fe₂O₃ nanowire for degradation of carbamazepine from aqueous solutions *Desalination and Water Treatment* 2019

- 93- Jamshidi F, Dehghani M, Yousefinejad S, Azhdarpoor A, Photocatalytic degradation of alachlor by TiO₂ nanoparticles from aqueous solutions under UV radiation. *Journal of Experimental Nanoscience* 14 (1), 116-128 2019
- 94- Z Derakhshan, MH Ehrampoush, AH Mahvi, M Dehghani, M Faramarzian, A comparative study of hybrid membrane photobioreactor and membrane photobioreactor for simultaneous biological removal of atrazine and CNP from wastewater: A performance analysis and modeling. *Chemical Engineering Journal* 355, 428-438 2019
- 95- Shalyari N, Alinejad A, Hashemi AHG, RadFard M, Dehghani M, Health risk assessment of nitrate in groundwater resources of Iranshahr using Monte Carlo simulation and geographic information system (GIS). *MethodsX* 6, 1812-1821 2019
- 96- Shamsavani S, Dehghani M, Hoseini M, Investigation of Relative Air Contribution in Total Pyrene Intake among Primary School Students in Shiraz, Iran. *Polycyclic Aromatic Compounds*, 1-10 2019
- 97- Dehghani M, Zonnon Y, Nourozi E, Shamsedini N, Decolorization of Direct Red 81 in Aqueous Solutions by Fenton Oxidation Process: Effect of System Parameters. *Iranian Journal of Health, Safety and Environment* 6 (3), 1297-1302, 2019
- 98- Hashemi F, Hashemi H, Shahbazi M, Dehghani M, Hoseini M, Reclamation of real oil refinery effluent as makeup water in cooling towers using ultrafiltration, ion exchange and multioxidant disinfectant. *Water Resources and Industry* 23 (2020) 100123, 2020
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