Curriculum Vitae

Farzaneh Mohammadi, Ph.D

Current position	
Affiliation	Environmental Health Engineering Department, Isfahan University of medical sciences, Iran
Position Title	Faculty member, Assistant professor
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Scopus Profile	https://www.scopus.com/authid/detail.uri?authorId=57201852986
ORCID ID	https://orcid.org/0000-0002-8248-3629
Google scholar profile	https://scholar.google.com/citations?user=2Nw0Bs0AAAAJ&hl=en
Scientometrics System	https://isid.research.ac.ir/Farzaneh_Mohammadi

Education

Ph.D	Environmental Health Engineering, Isfahan University of Medical Sciences	Sep. 2013 -Jan.2018
MS.Eng .	Civil- Environmental Engineering, Isfahan University of Technology	Sep.2008–Feb.2011
B.S.Eng	Civil Engineering, Isfahan University of Technology	Sep.2003-Aug. 2007

Thesis

- Ph.D thesis
  Study of Alkylphenols removal efficiency from synthetic wastewater in the process of moving bed biofilm reactor (MBBR) and its modeling by ASM- Biofilm hybrid model
  Date of the thesis defense: Jan. 2018
  Thesis Supervisor: Full Professor Dr. Bijan Bina

- M.S thesis
  Biosorption of chromium heavy metal using municipal wastewater sludge from aqueous solution
  Date of the thesis defense: Jan. 2011
  Thesis Supervisor: Full Professor Dr. Amir Taebi

Honors and awards

- Ranked first among 7 Ph.D students of Environmental Health Engineering at MUI (ministry of Health (University level)), 20132018
- Ranked first among 8 Master students of Civil Environmental Engineering at IUT (ministry of science (University level)), 20102011
- Ranked 5th among 100 Bachelor students of Civil Engineering at IUT (ministry of science (University level)), 2003-2007

- Member of the brilliant talent office of MUI
- Member of the brilliant talent office of IUT
- Member of the Iran's National Elites Foundation
- Head of education development office (EDO) at school of health MUI (2022-now)
- Member of Iran Construction Engineering Organization
- Engineering license in the field of construction calculations, construction supervision and construction execution from Iran Construction Engineering Organization (IRCEO)

Professional Experience

Contribution with universities

1. Assistant professor, Department of environmental health, School of health, Isfahan University of medical sciences, Iran (2018-now)
2. adjunct professor at Aghigh University under the supervision of the Ministry of Science
3. adjunct professor at Payam Noor University of Isfahan under the supervision of the Ministry of Science **Contribution with industries and consultant engineers** 2009-now
4. Project manager in Pars Arian Ab Consulting Engineers Company (http://parsarianab.com)

✓ Project manager of **Kirkuk Iraq** Wastewater Treatment Plant design (1,200,000 service population)

- ✓ Project manager of **Karbala Iraq** Wastewater Treatment Plant redesign (1,000,000 service population)

- ✓ Project manager of Shahinshahr wastewater treatment plant upgrade (700000 service population)

- ✓ Project manager of water transmission line to Saba Steel Complex

- ✓ Pathology of Sepahan Shahr Wastewater Treatment Plant (100,000 service population)

- ✓ Pathology of Shahrekord Wastewater Treatment Plant (200,000 service population)

- ✓ Project manager of Water reuse in Abbas Abad Industrial Town, Tehran

- ✓ Project manager of Water reuse in Shiraz industrial town

- ✓ Project manager of Bushehr Wastewater Treatment Plant Upgrade (485000 service population)

- ✓ Design of wastewater treatment plant and effluent extraction of Project manager of Kumeshcheh industrial town Wastewater treatment and water reuse of Eshtehard industrial town

- ✓ Project manager of Bandar Abbas Wastewater Treatment Plant Upgrade (500000 service population)

- ✓ Project manager of Water reuse in Jey Industrial Town

- ✓ Project manager of Pet recycling wastewater treatment plant design

- ✓ Project manager of wastewater treatment plant design of Islamabad power plant

National patent

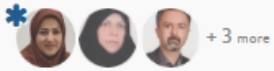
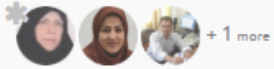
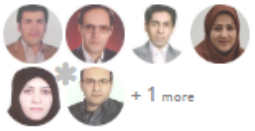
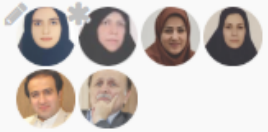
- Two-layer hollow cylindrical nanofiber membrane to remove suspended solids and colloids from water, No. 139950140003007727
- Non-load-bearing concrete shielding using reverse osmosis system effluent to protect against neutron beams, No. 139850140003010561

Teaching experiences

Courses Teaching	Grade	Credits	Number of teaching semesters
Advance Modelling and Analysis of Bio- Physical Systems	Ph.D.	3	
Environmental Data Analysis	Ph.D.	3	
Application of statistical models in environmental engineering	Ph.D.	3	
Contaminant Transport Processes	Ph.D.	3	
Environmental Impact Assessment	Ph.D.	3	
Finite Element Method	Ph.D.	3	
Environmental biotechnology	M.S.	3	
Principles of water and wastewater treatment engineering	M.S.	3	
Physical, chemical and biological treatment processes	M.S.	3	
Seminar in Environmental engineering	M.S.	3	
Water treatment plant design	M.S.	3	
Wastewater treatment plant design	M.S.	3	

Mechanics of Groundwater Flow	B.S.	2	
Hydrology and Water Resources	B.S.	3	
Introduction to Modeling in Environmental Engineering	B.S.	2	
Statics	B.S.	3	
Dynamics	B.S.	2	
Solid Mechanics	B.S.	2	
Technical drawing	B.S.	2	
Environmental chemistry	B.S.	2	
Industrial wastewater treatment	B.S.	2	
Thermodynamics & Heat Transfer	B.S.	2	
Engineering Economy	B.S.	2	
Fluid Mechanics	B.S.	3	
Hydraulic Structures	B.S.	3	
Principles of water and wastewater treatment engineering	B.S.	3	
Physical, chemical and biological treatment processes	B.S.	2	
Hydrology and Water Resources	B.S.	2	
Environmental Engineering	B.S.	2	
Water and wastewater quality with laboratory	B.S.	2	
B.S. final thesis	B.S.	3	
Hydraulics	B.S.	3	
Water Transmission and Distribution Networks	B.S.	3	
Design of sewage collection networks	B.S.	3	
Water Treatment and Pollution Control	B.S.	3	

No.	Title	Authors	Journal	IF	SJR	CiteScore	Published	Cited By
1	Composting of municipal solid waste with microbial-inoculated biochar amendment: impact on process and end-product quality Original Article	+ 3 more	Biochar 7(1):-	13.1 Q1	2.855 Q1	18.6 Q1	2025	0
2	Investigating the Effect of Diabetes Camp on Hemoglobin A1C Levels in Children and Adolescents with Type 1 Diabetes: A Systematic Review Review	+ 4 more	Journal of Health System Research 21(1):1-9		0.12 Q4	0.3 Q4	2025	0
3	Accumulation of heavy metals in the leaves of different tree species and its association with the levels of atmospheric $PM_{2.5}$-bond heavy metals in Isfahan Original Article	+ 2 more	International Journal of Phytoremediation 27(2):260-270	3.4 Q2	0.715 Q1	7.6 Q1	2025	0
4	Prediction of atmospheric $PM_{2.5}$ level by machine learning techniques in Isfahan, Iran Original Article	+ 1 more	Scientific Reports 14(1):-	3.8 Q1	0.9 Q1	7.5 Q1	2024	20
5	Occurrence of chlorine-resistant Pseudomonas aeruginosa in hospital water systems: threat of waterborne infections for patients Original Article	+ 2 more	Antimicrobial Resistance and Infection Control 13(1):-	4.8 Q1	1.256 Q1	9.7 Q1	2024	3

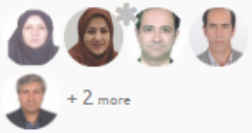
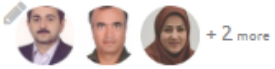
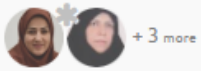
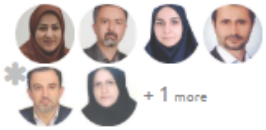
6	The lasting effects of wastewater irrigation: Evaluating alkylphenols accumulation in soil and potential health risks for farmers and local communities Original Article	 + 3 more	Results in Engineering 24:-	6	0.794 Q1	5.8 Q1	2024	1
7	Hybrid ANFIS-ant colony optimization model for prediction of carbamazepine degradation using electro-Fenton process catalyzed by Fe@Fe_2O_3 nanowire from aqueous solution Original Article	 + 3 more	Results in Engineering 23:-	6	0.794 Q1	5.8 Q1	2024	4
8	Antibiotic resistance pattern of waterborne causative agents of healthcare-associated infections: A call for biofilm control in hospital water systems Original Article	 + 1 more	Journal of Infection and Public Health 17(7):-	4.7 Q1	1.081 Q1	13.1 Q1	2024	5
9	In-Utero exposure to potential sources of indoor air pollution and umbilical cord blood leukocyte telomere length Original Article	 + 1 more	Environmental Research 252:-	7.7 Q1	1.679 Q1	12.6 Q1	2024	0
10	Wastewater surveillance of antibiotic resistance and class 1 integron-integrase genes: Potential impact of wastewater characteristics on genes profile Original Article		Heliyon 10(9):-	3.4 Q1	0.617 Q1	4.5 Q1	2024	0

11	Semi-quantitative health risk assessment of heavy metal dust exposure among nail technicians using the SQRA technique and Monte Carlo simulation Original Article	+ 1 more	Toxicology and Industrial Health 40(5):221-231	1.7 Q3	0.466 Q3	3.5 Q2	2024	0
12	Human viral pathogens in the wastewater-source water-drinking water continuum: Evidence, health risks, and lessons for future outbreaks in low-income settings Review	+ 9 more	Science of the Total Environment 918:-	8.2 Q1	1.998 Q1	17.6 Q1	2024	5
13	Ecotoxicological and human health risk assessment of triclosan antibacterial agent from municipal wastewater treatment plants Original Article		Journal of Water and Health 22(1):36-51	2.5 Q3	0.534 Q2	3.6 Q2	2024	2
14	Investigating the effect of educational intervention on the awareness and attitude of health workers (Behvarzes) and health care workers of Ardestan city about household hazardous waste management Original Article	+ 2 more	Iranian Journal of Health and Environment 17(2):279-300		0.137 Q4	0.6 Q4	2024	0
15	Cytotoxicity and genotoxicity of fine particulate matter ($PM_{2.5}$): a polluted city experiencing Middle East dust events Original Article	+ 4 more	Air Quality, Atmosphere and Health 17(4):789-798	2.9 Q3	0.71 Q2	8.8 Q1	2024	3

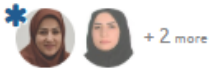
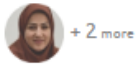
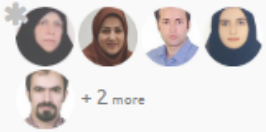
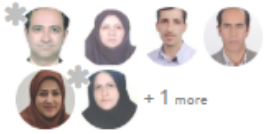
16	Inhalation exposure to toxic heavy metals in nail salon technicians and health risk assessment using Monte Carlo simulation Original Article	+ 2 more	Inhalation Toxicology 36(2):90-99	2 Q4	0.44 Q3	4.1 Q3	2024	1
17	Risk assessment of airborne coronavirus-2 in wastewater treatment plant: comparing two different wastewater aeration systems Original Article	+ 3 more	International Journal of Environmental Science and Technology 21(14):9207-9218	3 Q2	0.598 Q1	5.6 Q1	2024	1
18	Investigating the concentration and health risks of particulate-bound polycyclic aromatic hydrocarbons in Isfahan's ambient air Original Article	+ 2 more	Iranian Journal of Health and Environment 17(3):563-580		0.137 Q4	0.6 Q4	2024	0
19	Comparing the Removal Efficiency of Four Widely Used Antibiotics from the Beta-Lactam Group in Two Municipal Wastewater Treatment Systems in Isfahan, Iran Original Article	+ 1 more	Journal of Health System Research 20(1):56-69		0.12 Q4	0.3 Q4	2024	0
20	Corrigendum to "Wastewater surveillance of antibiotic resistance and class 1 integron-integrase genes: Potential impact of wastewater characteristics on genes profile" [Heliyon 10(9) (May 2024) e29601] (Heliyon (2024) 10(9),		Heliyon 10(11):-	3.4 Q1	0.617 Q1	4.5 Q1	2024	0

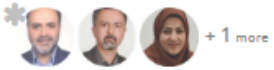
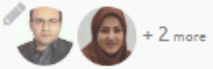
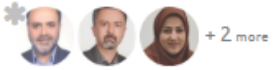
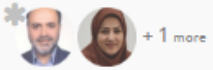
No.	Title	Authors	Journal	IF	SJR	CiteScore	Published	Cited By
21	Health risks of welding fumes: A review to investigate the relationship between oxidative stress levels and trace metals in body fluids of welders Review	+ 2 more	Environmental Health Engineering and Management 11(2):237-256	1.3	0.254 Q3	2.4 Q3	2024	0
22	Biological 2,4,6-trinitrotoluene removal by extended aeration activated sludge: optimization using artificial neural network Original Article	+ 2 more	Scientific Reports 13(1):-	3.8 Q1	0.9 Q1	7.5 Q1	2023	10
23	Microbial electrochemical systems for bioelectricity generation: Current state and future directions Original Article	+ 3 more	Results in Engineering 20:-	6	0.794 Q1	5.8 Q1	2023	10
24	Health Risk Assessment of Exposure to Bisphenol A in Polymeric Baby Bottles Original Article	+ 1 more	Environmental Health Insights 17:-	2.3	0.513 Q2	3.2 Q2	2023	6
25	Machine learning model optimization for removal of steroid hormones from wastewater Original Article	+ 4 more	Chemosphere 343:-	8.1 Q1	1.806 Q1	15.8 Q1	2023	5

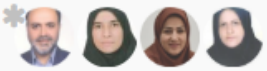
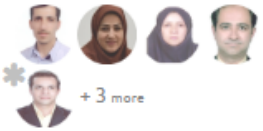
26	Assessment of alkylphenols migration from packaging to fruit juices: Influential factors and health risks Original Article	+ 3 more	Sustainable Chemistry and Pharmacy 36:-	5.5 Q1	0.902 Q1	8.2 Q1	2023	2
27	Maternal exposure to benzophenone derivatives and their impacts on offspring's birth outcomes in a Middle Eastern population Original Article	+ 1 more	Scientific Reports 13(1):-	3.8 Q1	0.9 Q1	7.5 Q1	2023	1
28	Human health risk assessment of Triclosan in water: spatial analysis of a drinking water system Original Article		Environmental Monitoring and Assessment 195(10):-	2.9 Q3	0.643 Q2	4.7 Q2	2023	2
29	Machine learning assisted modeling of interfacial tension in the system N_2/Brine Original Article	+ 4 more	Sustainable Chemistry and Pharmacy 33:-	5.5 Q1	0.902 Q1	8.2 Q1	2023	4
30	Microbial indicators in municipal solid waste compost and their fate after land application of compost Original Article	+ 3 more	Journal of Environmental Health Science and Engineering 21(1):85-92	3 Q2	0.673 Q2	7.5 Q1	2023	4

31	Occurrence of enteric and non-enteric microorganisms in coastal waters impacted by anthropogenic activities: A multi-route QMRA for swimmers Original Article	 + 3 more	Marine Pollution Bulletin 188:-	5.3 Q1	1.445 Q1	10.2 Q1	2023	11
32	Modeling and optimization approach for phytoremediation of formaldehyde from polluted indoor air by Nephrolepis obliterata plant Original Article	 + 2 more	Environmental Science and Pollution Research 30(8):21345-21359		1.006 Q1	8.7 Q1	2023	0
33	Diagnosis of coronary artery disease based on machine learning algorithms support vector machine, artificial neural network, and random forest Original Article	 + 2 more	Advanced Biomedical Research 12(1), pp. 51	0.7	0.236 Q3	0.9 Q3	2023	7
34	Incidence of co-resistance to antibiotics and chlorine in bacterial biofilm of hospital water systems: Insights into the risk of nosocomial infections Original Article	 + 3 more	Journal of Infection and Public Health 16:210-216	4.7 Q1	1.081 Q1	13.1 Q1	2023	8
35	Health risk assessment of exposure to triclosan in pregnant women using Monte Carlo simulation techniques: based on biomonitoring data Original Article	 + 1 more	Journal of Environmental Science and Health, Part C: Toxicology and Carcinogenesis	1.2 Q4	0.438 Q3	4.6 Q3	2023	3

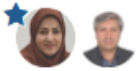
36	Activation of persulfate by TiO_2-Fe_3O_4 nanocomposite for reactive red 198 degradation along with modeling and optimization approach Original Article	+ 4 more	Environmental Health Engineering and Management 10(2):165-177	1.3	0.254 Q3	2.4 Q3	2023	1
37	Atenolol degradation using hybrid processes of ultraviolet/peroxymonosulfate/ microwave: modeling and optimization with artificial neural network and PSO algorithm Original Article	+ 4 more	Desalination and Water Treatment 304, pp. 129-139	1 Q4	0.256 Q3	2.2 Q3	2023	0
38	Challenges related to compost spreading in urban green space: microbial risk assessment of accidental ingestion by children Original Article	+ 2 more	Iranian Journal of Health and Environment 16(2):367-382		0.137 Q4	0.6 Q4	2023	0
39	Density and Refractive Index of Binary Ionic Liquid Mixtures with Common Cations/Anions, along with ANFIS Modelling Original Article	+ 3 more	Liquids 2(4):432-444				2022	2
40	Prediction and optimization of steroid hormone removal parameters from municipal wastewater by ultrasound probe using artificial neural network and genetic algorithm: a review Original Article	+ 2 more	Desalination and Water Treatment 272:156-166	1 Q4	0.256 Q3	2.2 Q3	2022	1

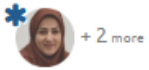
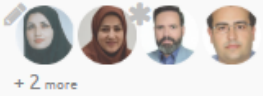
41	Assessing the Satisfaction of Kashan University of Medical Sciences Staff with Virtual Education Implemented Through Social Media during the COVID-19 Pandemic Original Article	 + 2 more	Journal of Health System Research 18(3):234-241	0.12 Q4	0.3 Q4	2022	0
42	Modelling of micropollutant fate in hybrid growth systems: model concepts, Peterson matrix, and application to a lab-scale pilot plant Original Article	 + 2 more	Environmental Science and Pollution Research 29(45):68707-68723	1.006 Q1	8.7 Q1	2022	2
43	Prediction and Optimization of Ultrasound-Assisted Removal of Estrogen Hormones from Municipal Wastewater Using Artificial Neural Network and Genetic Algorithm: A Review Approach Original Article	 + 2 more	Journal of Health System Research 18(2):83-94	0.12 Q4	0.3 Q4	2022	2
44	Microbial characteristics of municipal solid waste compost: Occupational and public health risks from surface applied compost Original Article	 + 2 more	Waste Management 144:98-105	7.1 Q1	1.734 Q1	15.6 Q1	2022	12
45	The association of prenatal exposure to benzophenones with gestational age and offspring size at birth Original Article	 + 1 more	Environmental Science and Pollution Research 29(17):24682-24695	1.006 Q1	8.7 Q1	2022	12

46	Prediction the Performance of Full Scale Wastewater Treatment Plant with A-B Process Using Artificial Neural Network and Genetic Algorithm Original Article	 + 3 more	International Journal of Environmental Health Engineering 11(1):-		0.175 Q4	1 Q4	2022	0
47	Monitoring of Amoxicillin and Cephalexin Antibiotics in Municipal WWTPs During Covid-19 Outbreak: A Case Study in Isfahan, Iran Original Article	 + 1 more	Air, Soil and Water Research 15:-	3.5	0.669 Q2	7.8 Q1	2022	13
48	Sensitivity Analysis with the Monte Carlo Method and Prediction of Atenolol Removal Using Modified Multiwalled Carbon Nanotubes Based on the Response Surface Method: Isotherm and Kinetics Studies Original Article	 + 2 more	International Journal of Chemical Engineering 2022:-	2.3 Q3	0.523 Q2	4 Q2	2022	4
49	Measurement of ampicillin and penicillin G antibiotics in wastewater treatment plants during the COVID-19 pandemic: A case study in Isfahan Original Article	 + 2 more	Environmental Health Engineering and Management 9(3):201-211	1.3	0.254 Q3	2.4 Q3	2022	3
50	Evaluation of Some Chemical Parameters of Hemodialysis Water: A Case Study in Iran Original Article	 + 1 more	Environmental Health Insights 16:-	2.3	0.513 Q2	3.2 Q2	2022	1

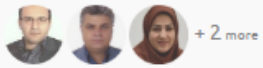
51	Solution and Actual Contaminated Well Water: RSM Modeling, Kinetic Study, Monte Carlo Optimization, and Sensitivity Analysis Original Article	 + 2 more	International Journal of Chemical Engineering 2022:-	2.3 Q3	0.523 Q2	4 Q2	2022	1
52	Using Sono-Electro-Persulfate Process for Atenolol Removal from Aqueous Solutions: Prediction and Optimization with the ANFIS Model and Genetic Algorithm Original Article	 + 4 more	International Journal of Chemical Engineering 2022:-	2.3 Q3	0.523 Q2	4 Q2	2022	1
53	Investigation, biokinetic calculation, and modelling of a real combined industrial wastewater biological treatment process by activated sludge models Original Article	 + 4 more	Environmental Health Engineering and Management 9(4):329-338	1.3	0.254 Q3	2.4 Q3	2022	1
54	Monitoring of urinary arsenic (As) and lead (Pb) among a sample of pregnant Iranian women Original Article	 + 1 more	Journal of Environmental Health Science and Engineering 19(2):1901-1909	3 Q2	0.673 Q2	7.5 Q1	2021	9
55	Improvement of the Rhizoremediation efficiency of PAHs contaminated soil under cysteine treatment along with modeling Original Article	 + 3 more	Environmental Nanotechnology, Monitoring and Management 16-		1.214 Q1	13 Q1	2021	4

56	Antibiotic resistance and class 1 integron genes distribution in irrigation water-soil-crop continuum as a function of irrigation water sources Original Article	+ 1 more	Environmental Pollution 289:-	7.6 Q1	2.132 Q1	16 Q1	2021	28
57	Prenatal exposure to chromium (Cr) and nickel (Ni) in a sample of Iranian pregnant women: urinary levels and associated socio-demographic and lifestyle factors Original Article	+ 1 more	Environmental Science and Pollution Research 28(44):63412-63421		1.006 Q1	8.7 Q1	2021	16
58	Tracking antibiotic resistance genes and class 1 integrons in Escherichia coli isolates from wastewater and agricultural fields Original Article	+ 1 more	Water Science and Technology 84(5):1182-1189	2.5 Q2	0.554 Q2	4.9 Q2	2021	6
59	Characterization of the cylindrical electrospun nanofibrous polysulfone membrane for hemodialysis with modelling approach Original Article	+ 2 more	Medical and Biological Engineering and Computing 59(7-8):1629-1641	2.6 Q2	0.641 Q2	6 Q2	2021	7
60	COVID-19 infection risk from exposure to aerosols of wastewater treatment plants Original Article	+ 4 more	Chemosphere 273:-	8.1 Q1	1.806 Q1	15.8 Q1	2021	86

61	Artificial neural network and logistic regression modelling to characterize COVID-19 infected patients in local areas of Iran Original Article	 + 14 more	Biomedical Journal 44(3):304-316	4.1 Q2	1.143 Q1	11.6 Q1	2021	31
62	Determination the biochemical kinetics of natural and synthetic estrogens in moving bed Bioreactor Original Article	 + 1 more	International Journal of Environmental Health Engineering 10(1):-		0.175 Q4	1 Q4	2021	0
63	Modeling and sensitivity analysis of the alkylphenols removal via moving bed biofilm reactor using artificial neural networks: Comparison of levenberg marquardt and particle swarm optimization training algorithms Original Article	 + 3 more	Biochemical Engineering Journal 161:-	3.7 Q2	0.718 Q2	7.1 Q2	2020	31
64	Removal of rr198 dye by tio_2/fe_3o_4/persulfate nanoparticles under uv-led irradiation and comparision of ofat and ccd experimental design in rsm modelling Original Article	 + 2 more	Indian Journal of Chemical Technology 27(4):283-293	0.5 Q4	0.167 Q4	0.9 Q4	2020	2
65	Modelling the phytoremediation of formaldehyde from indoor air by Chamaedorea Elegans using artificial intelligence, genetic algorithm and response surface methodology	 + 1 more	Journal of Environmental Chemical Engineering	7.4 Q1	1.355 Q1	11.4 Q1	2020	28

66	Iran's scientific publications in the field of endocrinology and metabolism in the web of science: a scientometric analysis Original Article		Iranian Journal of Endocrinology and Metabolism 22(2):127-136		0.124 Q4	0.4 Q4	2020	3
67	Artificial neural network and genetic algorithm for modeling and optimization of photocatalytic removal of aquatic dye by g-c_3 n_4 /n-tio_2 nanoparticles Original Article		Desalination and Water Treatment 204:164-173	1 Q4	0.256 Q3	2.2 Q3	2.020	1
68	Modelling and Optimizing Pyrene Removal from the Soil by Phytoremediation using Response Surface Methodology, Artificial Neural Networks, and Genetic Algorithm Original Article		Chemosphere 237:-	8.1 Q1	1.806 Q1	15.8 Q1	2019	65
69	Investigation of photocatalytic activity of synthesized zinc stannate for tetracycline antibiotic degradation: Modelling and optimization through RSM, ANN and genetic algorithm Original Article		Desalination and Water Treatment 169:342-352	1 Q4	0.256 Q3	2.2 Q3	2.019	4
70	How the service delivery works in the Iranian specialised burns hospitals? A qualitative approach Original Article		PLoS ONE 14(5):-	2.9 Q1	0.839 Q1	6.2 Q1	2019	6

No.	Title	Authors	Journal	IF	SJR	CiteScore	Published	Cited By
71	Analysis of morphometric parameters for sex determination of Odontobuthus doriae Thorell 1876 (Arachnida: Scorpionida: Buthidae), a medically important scorpion from Iran Original Article	+ 1 more	Journal of Entomological Research (3):391-396		0.188 Q4	0.4 Q4	2019	2
72	Evaluation of the effects of AlkylPhenolic compounds on kinetic parameters in a moving bed biofilm reactor Original Article	+ 2 more	Canadian Journal of Chemical Engineering 96(8):1762-1769	1.6 Q3	0.402 Q2	3.6 Q3	2018	14
73	The occurrence, fate, and distribution of natural and synthetic hormones in different types of wastewater treatment plants in Iran Original Article	+ 1 more	Chinese Journal of Chemical Engineering 26(5):1132-1139	3.7 Q2	0.697 Q2	6.6 Q2	2018	37
74	Evaluation of the effects of AlkylPhenolic compounds on kinetic coefficients and biomass activity in MBBR by means of respirometric techniques Original Article	+ 1 more	Chinese Journal of Chemical Engineering 26(4):822-829	3.7 Q2	0.697 Q2	6.6 Q2	2018	13

75	The applicability and efficacy of transdiagnostic cognitive behavior therapy on reducing signs and symptoms of borderline personality disorder with co-occurring emotional disorders: A pilot study Original Article	 + 1 more	Iranian Journal of Psychiatry and Behavioral Sciences 12(1):-	0.5	0.269 Q4	1.2 Q4	2018	5
76	Biodegradation of natural and synthetic estrogens in moving bed bioreactor Original Article	 + 1 more	Chinese Journal of Chemical Engineering 26(2):393-399	3.7 Q2	0.697 Q2	6.6 Q2	2018	31
77	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 Original Article	 + 1 more	Chinese Journal of Chemical Engineering 26(1):183-190	3.7 Q2	0.697 Q2	6.6 Q2	2018	47
78	Using Generation 3 Polyamidoamine Dendrimer as Adsorbent for the Removal of Pentavalent Arsenic from Aqueous Solutions Original Article	 + 2 more	Journal of Environmental Health and Sustainable Development 1(1):28-36		0.209 Q3	1.1 Q3	2016	5

Technical skill

Instrument

- Gas chromatography followed with mass spectrometry (GC–MS)
- High Performance Liquid Chromatography (HPLC)
- Atomic absorption
- Respirometer
- Spectrophotometer
- D.R 5000
- polymerase chain reaction (PCR) (Preliminary)

Research interest

- Modeling in the field of environmental engineering using artificial intelligence, Neural networks (MLP, meta-heuristic algorithms, ANFIS)

- Statistical Modeling in Environmental engineering (RSM model, Regression models, PCA analysis, …)
- Biological Modeling of water and wastewater treatment processes
- Renewable Energy generation and modelling
- Biological and chemical wastewater treatment
- Removal of micropollutants from environment

Microbial Analysis

Total Coliform (TC)
Fecal Coliform (FC)
Heterotrophic plate count (HPC)

Physico-chemical

- dispersive liquid-liquid micro extraction (DLLME)
- solid phase extraction (SPE)
- silylation of EDC
- Derivatisation of EDC
- Chemical Oxygen Demand (COD)
- Biochemical Oxygen Demand (BOD)
- Total Suspended Solids (TSS(
- Volatile Suspended Solids (VSS(
- Phenol
- Carbohydrate

Microscopic Techniques:

- Light microscopy
- Fluorescent microscopy
- Stereomicroscopy

Software

- Microsoft Office
- MATLAB
- R stodio
- SPSS
- Mendely
- End Note

- GIS
- Water Gems
- Epanet
- Sewer CAD
- Auto CAD
- STOAT
- GPS-X
- ETABS
- SAFE
- …

Reviewer

- Environmental Science and Pollution Research
- Water research
- Science of the total environment
- Microchemical journal
- Journal of chemical technology and biotechnology
- Journal of Water Process Engineering
- Journal of Health System Research
- International Journal of Environmental Health Engineering(IJEHE(
- Journal of Environmental Health and Sustainable Development
- Journal of Safety, Environment, and Health Research (JSEHR(
- Archive of Hygiene science
- …

Language

Persian (native)
English (good)
Arabic (basic)

References

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Conferences and Summer schools

1. Observatory Venice Summer School 2021, Digital health: towards a postpandemic future, 26 to 30 July 2021.
2. Observatory Venice Summer School 2020, The hospital of the future in times of COVID-19, 20-30 July 2020.
3. Using respirometric techniques for investigation of the effects of AlkylPhenolic compounds on kinetic coefficients and biomass activity in

Moving Bed Bio Reactor. 3 rd. International Conference on Environmental Health, (Poster presentation). Tehran, IRAN. 2020.

4. Biodegradation of natural and synthetic estrogens in moving bed bioreactor, Rome, Italy.2020 (Oral presentation)

5. Biodegradation of Estrogens using Moving Bed Bio-Reactor (MBBR).2016. (Oral presentation) 1st International and 19th National Conference on Environmental Health, Tehran, IRAN. 2016

6. Kinetic Coefficients Determination of Steroid Hormones in Moving Bed Biofilm Reactor (MBBR) by Respirometric Method. 1st International and 19th National Conference on Environmental Health. 2016. (Oral presentation). Tehran, IRAN. 2016

7. Energy Generation and Wastewater Treatment using Microbial Fuel Cell (MFC). (Oral presentation). 2nd International Conference on Innovations in Engineering and Technology (ICCET') "Malaysia. 2014

8. Survey of performance microbial fuel cell for wastewater treatment and electricity generation. (Oral presentation). IEEE conference on power engineering and renewable energy. Thailand. 2012.

9. Performance of microbial fuel cell for wastewater treatment and electricity generation .International Conferences on Power and Energy Engineering. (Oral presentation) Indonesia. 2012

10. Electricity generation from synthetic wastewater treatment in microbial fuel cell. 8th international conferences of energy. (Oral presentation).IRAN. Tehran. 2012

11. Desalination of brackish water by microbial desalination cell with electricity generation. (Poster presentation). IRAN. Tehran. 2012