

CURRICLUM VITAE



Date of completion: 2023

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Specialty Records

Bachelor of Science: Chemistry (1997)

Master of Science: Toxicology (2001)

M.S. Thesis: Zeolite Y as Solid phase extraction

Ph.D.: Toxicology (2011)

Ph.D. Thesis: Cell line Biospectroscopy modeling in Toxicology

Published papers sited in Web of Science, PubMed, Scopus

Number	Title	Journal	V	N	Authores	Page	Year
1	Determination of morphine in the plasma of addicts in using Zeolite Y extraction following high performance liquid chromatography	Clinica Chemica Acta	364	-	M.Ghazi-khansari, R.Zendehdel , M.Pirali Hamedani.	235-238	2006
2	Cisplatin Resistant Patterns in Ovarian Cell Line Using FTIR and Principle Component Analysis	Iranian Journal of Pharmaceutical Research	11	1	R.Zendehdel , A.Masoudi-Nejad, J.Mohammadzadeh, F.H.Shirazi.	235-240	2012
3	Patterns Prediction of Chemotherapy Sensitivity in Cancer Cell lines Using FTIR Spectrum, Neural Network and Principal Components Analysis	Iranian Journal of Pharmaceutical Research	11	2	R.Zendehdel , A.Masoudi-Nejad, F.H.Shirazi.	1-10	2012
4	Chronic exposure to Chlorophenol related compounds in production workplace and lung cancer: A meta-analysis.	Asian Pacific Journal of Cancer Prevention	15	13	R.Zendehdel , Tayefeh-Rahimian, A Kabir.	5149-5153	2014
5	Oxidative damage modeling by biomonitoring of Exposure to Metals for manual metal arc welders	Health scope	3	3	R. Zendehdel	1-4	2014
6	Improved Method for Analysis of Airborne Asbestos Fibers Using Phase Contrast Microscopy and FTIR Spectrometry	Tanaffos	13	3	Mansour R. Azari, Asil Yazdian, Rezvan Zendehdel , Hamid Souri, Soheila Khodakarim, Habibalalah Peirovi, Davod Panahi, Marzieh Kazempour	38-45	2014
	Predicting of effective dose as Biomarker for Cytotoxicity using Partial	Iranian Journal of Pharmaceutical Research	14	4	R.Zendehdel , S.Khodakarim	1-8	2015

7	least square-Fourier Transform Infrared spectroscopy (PLS_FTIR)				, F.H. Shirazi.		
8	Chemometrics models for assessment of oxidative stress risk in chrome-electroplating workers.	Drug and chemical toxicology.	38	2	R. Zendehtdel , Vd Shetab-Boushehri, MR. Azari, V Hosseini, H.Mohammadi.	174-179	2015
9	Discrimination of human cell lines by Infrared spectroscopy and mathematical modeling	Iranian Journal of Pharmaceutical Research	14	3	R.Zendehtdel , F.H. Shirazi.	803-810	2015
10	Feasibility the Biological Monitoring of Workers Exposed to Benzene and Toluene via Measuring the Parent Compounds in the Exhaled Breath	Health scope	4	3	Seyed Younes Hosseini; Mansour Rezazadeh Azari; Rezvān Zendehtdel ; Hamid Sourī; Raana Taiefeh Rahimian	1-5	2015
11	Development of a new method for sampling and monitoring oncology staff exposed to cyclophosphamide drug	Environmenta Monitoring and Assessment	188	4	Panahi D, Azari M , Akbari M.E, Zendehtdel R , Mirzaei HR, Hatami H, Mehrabi Y.	238-	2016
12	Neurotoxicity effect of formaldehyde in occupational exposure and influence of individual susceptibility to some metabolism parameters	Environmenta Monitoring and Assessment		188	R. Zendehtdel . Z.Fazli,.M. Mazinani	168-189	2016
13	Irritation risk assessment of occupational exposure to formaldehyde from Melamine dinnerware workshops in Tehran	Iran Occupational Health	13	2	M.Vahhabi Shekarloo1, M. Mazinani, S. Khodakarim M. Rezazadeh Azari, H.Kheyri, A.A. Mousavi Mehraban, R.Zendehtdel*	1-8	2016

14	Investigation of gene expressions in differentiated cell derived bone marrow stem cells during bone morphogenetic protein-4 treatments with Fourier transform infrared spectroscopy	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy		173	J.Zafari,,F,Java ni,A Ahmadvand,P Abdolmaleki,, M.Soodi, R.Zendehdel* .	695-703	2017
15	Analysis of formaldehyde and acrolein in the aqueous samples using a novel needle trap device containing nanoporous silica aerogel sorbent	Environ Monit Assess	189	4	Abdullah Barkhordari & Mansour R. Azari & Rezvan Zendehdel & Mahmoud Heidari	171-180	2017
16	Environmental Monitoring of Occupational Exposure to Cyclophosphamide Drug in Two Iranian Hospitals	Iran J Cancer Prev.	10	1	Mansour Azari, Davod Panahi, Mohammad Esmaeil Akbari, Hamid Reza Mirzaei, Hamid Reza Rezvani, Rezvan Zendehdel , Yadollah Mehrabi, and Majid Bayatian	1-5	2017
17	DNA Damage in Workers Exposed to Formaldehyde at Concentrations Below Occupational Exposure Limits	Toxicological & Environmental Chemistry	99	9-10	Rezvan Zendehdel , Fatemeh Javani Jouni, Behnam Hajipour, Zahra Panjali Homa Kheiri, and Masoomeh Vahabi1*	1409-1417	2017
18	Risk evaluation of construction workers' exposure to silica dust and the possible lung function impairments	Tanaffos	16	4	Tavakol, E., Azari, M., Zendehdel, R. , (...), Nikoo, S., Saranjam, B.	295-303	2017
19	A novel needle trap device with nanoporous silica aerogel packed for sampling and analysis of volatile aldehyde compounds in air	Microchemical Journal	134	-	Azari, M.R., Barkhordari, A., Zendehdel, R. , Heidari, M.	270-276	2017

20	Dioxin Exposure in the Manufacture of Pesticide Production as a Risk Factor for Death from Prostate Cancer: A Meta-analysis	Iranian Journal of public health	47	2	Ali KABIR , * Rezvan ZENDEHDEL , Raana TAYEFEH RAHIMIAN	148-155	2018
21	Genetic variation and risk of DNA damage in peripheral blood lymphocytes of Iranian formaldehyde-exposed workers	Human and Experimental Toxicology	37	7	Rezvan Zendehtdel , Parviz Abdolmaleki, Fatemeh Javani Jouni, Mohammad Mazinani	690-696	2018
22	Estimation of formaldehyde occupational exposure limit based on genetic damage in some Iranian exposed workers using benchmark dose method	Environmenta Science and Pollution Research	25	31	Rezvan Zendehtdel , Masoomah Vahabi & Roya Sedghi	31183-31189	2018
23	Development a new method for bio monitoring of multiple-metals in occupational exposure	Journal of Occupational & Environmenta Hygiene	15	12	Seyed Mohammad Sadata , shirin seyed ghoreyshia ,fatemeh rajabia , Rezvan Zendehtdel *	833-840	2018
24	Biological monitoring of occupational exposure to dust among aluminium foundry workers	Russian Open Medical Journal	7	2	Ali Choupani, Mohammad Javad Jafari, Gholamheidar Teimori Boghsani, Mansour R. Azari, Rezvan Zendehtdel	1-6	2018
25	Study of photocatalytic removal of toluene vapor using zeolite Y impregnated with titanium dioxide nanoparticle	Iran Occupational Health	15	2	Mohammad Javad Jafari, Hasan Irvani, Rezvan Zendehtdel ,	69-79	2018

					Sheila Khodakarim, Hosein Shojaee Farah Abady		
26	Normal hexane occupational exposure estimation in the benchmark response according to color vision impairment	Iran Occupational Health	15	4	Rezvan Zendehtdel , Zahra Panjali, Akbar Esmaeili Tahneh	62-72	2018
27	Magnetic nano-zeolite Y as a novel fluidized bed for air decontamination	Int. J. Environ. Sci. Technol.	16	3	R. Zendehtdel S. Ansari R. Sedghi M. J. Jafari	1261-1268	2019
28	DNA effects of low level occupational exposure to extremely low frequency electromagnetic fields (50/60 Hz)	Toxicology and Industrial Health	35	6	Zendehtdel, R. , Yu, I.J., Hajipour-Verdom, B., Panjali, Z.	424-430	2019
29	Neurological risk assessment of co-exposure to heavy metals (chromium and nickel) in chromium-electroplating workers	Work	63	3	Zendehtdel, R. , Fazli, Z., Rezazadeh Azari, M	355-360	2019
30	Application of Needle Trap Device Based on the Carbon Aerogel for Trace Analysis of n-Hexane in Air Samples	Chromatographia	82	10	Jalili, V., Zendehtdel, R. , Bahramian, A., Barkhordari, A	1515-1521	2019
31	Synthesis, characterization and antibacterial activity of imidazole-functionalized Ag/MIL-101(Cr)	Journal of Porous Materials	26	6	M Hajibabaei M.M. Amini R.Zendehtdel M.J.Nasiri A. Peymani	1721-1729	2019
32	Antibacterial comparison between the nanofibers bed of poly vinylidene fluoride-poly vinyl pirilodine containing a sorbent with one metal and two metals	Journal of Military Medicine	21	2	Montazer, M., Zendehtdel, R. , Goli, F., Panjali, Z., Soleimani, N.	187-194	2019

33	Occupational and biological monitoring of workers exposed to airborne dust in Gol-e-Gohar Iron Ore mine	Iran Occupational Health	16	1	Safinejad, M., Azari, M.R., Zendehdel, R. , (...), Khodakarim, S., Khodarahmi, B.	23-32	2019
34	Comparison of Y and ZSM-5 zeolite modified with magnetite nanoparticles in removal of hydrogen sulfide from air	Int. J. Environ. Sci. Technol	17	1	M. J. Jafari R. Zendehdel A. Rafieepour M. Nakhaei Pour H. Irvani S. Khodakarim	187-194	2020
35	A method development for bacterial quantification and qualification in occupational exposure	Environmenta Monitoring and Assessment			Zendehdel, R. , Montazer, M.aEmail Author, Soleimani, N.		2020
36	Comparing the microbial inhibition of nanofibres with multi-metal ion exchanged nano-zeolite Y in air sampling	Journal of applied microbiology	128	1	Zendehdel, R., Goli, F., Hajibabaei, M.	202-208	2020
37	Measuring the levels of acetylcholine-esterase and plasma thiol groups in selected technical personnel of national Iranian gas company	Iran Occupational Health	17	1	Zendehdel, R. , Gohari, F., Amini, Z., (...), Parkestani, H., Rajabi, F. 1	77-87	2020
38	Quality assessment of DNA and hemoglobin by Fourier transform infrared spectroscopy in occupational exposure to extremely low-frequency magnetic field	Environmental Science and Pollution Research	27	36	Zendehdel, R. , Asadi, S., Alizadeh, S., Ranjbarian, M.	45374-45380	2020
39	Inside-tube solid-phase microextraction as an interlink between solidphase microextraction and needle device for n-hexane evaluation in air and urine	Biomedical Chromatography	34	10	Ghafari, J., Vahabi, M., Dehghan, S.F., Zendehdel, R*	e4924	2020

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40	Imidazole-Functionalized Ag/MOFs as Promising Scaffolds for Proper Antibacterial Activity and Toxicity Reduction of Ag Nanoparticles	Journal of Inorganic and Organometallic Polymers and Materials	30	11	Hajibabaei, M., Zendehdel, R. , Panjali, Z.	4622-4626	2020
41	Genotoxic stress of particulate matter in the electric furnace of an iron casting industry on human lung epithelial cells; an in vitro study	Toxin Reviews			Panjali, Z., Jafari-Tehrani, B., Maghsoudi, N., Abdolmaleki, P., Zendehdel, R.		2021
42	A field study for sars-cov-2 evaluation by two air sampling strategy during spread in Tehran, Iran	Pakistan Journal of Analytical and Environmental Chemistry	22	1	Bokharaei-Salim, F., Zendehdel, R. , Helmi-Kohnehsahro, M., Taherianfar, Z.	21-27	2021
43	A comprehensive review on microextraction techniques for sampling and analysis of fuel ether oxygenates in different matrices	Microchemical Journal			Jalili, V., Amin Rashidi, M., Mehrifar, Y., Ghasemi koozekonan, A., Zendehdel, R.	106437	2021
44	Practical method for air sampling and analysis of some natural gas odorant	International Journal of Oil, Gas and Coal Technology	22	2	Zendehdel, R. , Gohari, F.A., Tehrani, B.J., (...), Parkestani, H.N., Sadat, S.M.	143-151	2021
45	Risk assessment of chemical mixtures by benchmark dose-principle component analysis approach in occupational exposure	Environmental Science and Pollution Research			Zendehdel, R. , Parsarad, M., Asgari Gandomani, E., (...), Mohammad Alipour, M., Gholamiarjena ki, R.		2021
46	Supramolecular solventbased microextraction techniques for sampling and preconcentration of heavy metals: A review	Reviews in Analytical Chemistry	40	1	Jalili, V., Zendehdel, R. , Barkhordari, A.	93-107	2021

47	Effect of tea consumption on oxidative stress and expression of DNA repair genes among metal press workers exposed to occupational noise	Toxicology Research	10	1	Panjali, Z., Jafari-Tehrani, B., Münzel, T., (...), Hajipour-Verdom, B., Zendehdel, R.*	134-140	2021
48	Risk assessment of nano-flame retardants coating in the selected construction industry of Iran by control banding approach	International Journal of Preventive Medicine	-	-	Zahra Mohammadi, Masoume Vahabi, Seyed Mohammad Sadat, Rezvan Zendehdel	1-6	2021
49	Assessment of bacterial pathogens and their antibiotic resistance in the air of different wards of selected teaching hospitals in Tehran	Indian journal of occupational and Environmental medicine	25	2	Marzieh Montazer, Neda Soleimani, Masoomeh Vahabi, Mehrnosh Abtahi, Korosh Etemad, Rezvan Zendehdel	78-83	2021
50	Occupational exposure to metal-rich particulate matter modifies the expression of repair genes in foundry workers	Toxicology and Industrial Health	8	1	Zahra Panjali, , Omar Hahad, Fatemeh Rajabi, Saeid Maddah and Rezvan Zendehdel	1-9	2021
51	Peroxidase-like reaction by a synergistic inorganic catalyst colloid: a new method for hydrogen peroxide detecting in air samples	Colloid and Polymer Science	10	1	Zahra Moradpour· Mehrdad Helmi Kohneshahri · Masoomeh Vahabi Shekarloo · Vahid Jalili1 · Rezvan Zendehdel	1-10	2021

52	Formaldehyde Carcinogenicity Risk Assessment Using Benchmark Doses Approach Based on Genotoxic Effects in Occupational Exposure	Journal of Chemical Health Risks	11	0	Rezvan Zendehtdel , Masoomeh Vahabi	1-7	2021
53	A Field Study for SARS-CoV-2 Evaluation by Two Air Sampling Strategy During Spread in Tehran, Iran	Pakistan Journal of Analytical and Environmental Chemistry	22	1	Bokharaei-Salim, F., Zendehtdel, R. , Helmi-Kohnehsahro, M., Taherianfar, Z.	21-27	2021
54	Investigating the Ventilation System of an Intensive Care Unit in the COVID-19 Crisis: A Study in a Hospital of Tehran, Iran	National Research Institute of Tuberculosis and Lung Disease, Iran	20	3	Zahra Moradpour , Ghasem Hesam , Mehrdad Helmi_Kohnehsahri , Farah Bokharaei-Salim , Mostafa Pouyakian , Rezvan Zendehtdel	240-245	2021
55	Presenting a New Method to Evaluate the Severity of the Incompatibility of Dangerous Goods Based on FTOPSIS: A Case Study of the 4.3 Class	ACS Chemical Health and Safety	28	5	Negar Saffarinia, Mostafa Pouyakian, Rezvan Zendehtdel, and Reza Ramezani	339-347	2021
56	The Oxidative Stress of Mercaptan Odorant Due to Occupational Exposure: Adverse Effects on the Cholinergic System	Iranian journal of Toxicology	16	2	Rezvan Zendehtdel , Shirin Seyed Ghoreyshi , Fatemeh Rajabi , Zohreh Amini, Majid Mahdian Dehkordi , Hakimeh Nouri Parkestani	91-97	2022
57	Doping metal–organic framework composites to antibacterial air filter development for quality control of indoor air	Environmental progress & sustainable energy			Rezvan Zendehtdel Mostafa M. Amini, Majid Hajibabaei Mohammad		

					Javad Nasiri, Mohamad Javad Jafari, Masoumeh Karimi Alavijeh		2022
58	Application of a novel exposure limit approach for co-exposure of chemicals: a field study by in-vitro design	International Journal of Environmental Health Research			Masoomeh Vahabi Shekarloo, Zahra Panjali, Younes Mehrifar, Soleiman Ramezanifar, Seyed Husein Naziri, Aysa Ghasemi Koozekonan, Zahra Moradpour & Rezvan Zendehtdel		2022
59	Lung cell toxicity of co-exposure to airborne particulate matter and extremely low-frequency magnetic field	XENOBIOTICA	52	4	Zahra Panjalialia, Parviz Abdolmaleki, Behnam Hajipour-Verdom, Omar Hahad, and Rezvan Zendehtdel	370-379	2022
60	Release of Interleukin-1 β evaluation among mineral oil mist-exposed workers	Toxicology and Industrial Health	38	5	Elham A Gandomani, Nariman Mosaffa, Rezvan Zendehtdel , Mehrdad H Kohneshahri, Masoomeh Vahabi and Siamak Sabour	270-276	2022
61	Semi-quantitative Respiratory Health Risk Assessment of Exposure to Metalworking Fluids (Oil Mists) in an Automotive Industry	Journal of Chemical Health Risks	12	0	Zahra Moradpour, Soleiman Ramezanifar, Elham Asgari Gandomani, Rezvan Zendehtdel	1-9	2022

62	Selective Determination of n-Hexane and Methyl Ethyl Ketone (MEK) in Urine by Magnetic-Silica Aerogel-Based Molecularly Imprinted Polymers (MIPs) with Gas Chromatography – Flame Ionization Detection (GC-FID)	ANALYTICAL LETTERS			Masoomah Vahabi , Homeira Ebrahimzadeh , Rezvan Zendehdel , Niloofar Jalilian , and Soheila Khodakarim		2022
63	DNA breaks evaluation of two water-based metalworking fluids by an occupational exposure design	Toxin Reviews	42	1	Zahra Moradpour, Parviz Abdolmaleki, Behnam Hajipour-Verdom, Ali Khavanin, Zahra Panjali, Nader Maghsudi, Mansoureh Hamidi & Rezvan Zendehdel	342-348	2023
64	The Risk of Exposure To Pesticides on Autism Disorder: a Systematic Review and Meta-analysis	Journal of Chemical Health Risks	13	1	Ali Omid, Rezvan zendehdel , Ned a Izady, Ali Akbar Sharifkhani, Zahra Moradpour,	31-42	2023

Published papers in Iranian Journal

Number	Title	Journal	V	N	Authores	Page	Year
1	Validation in extraction method for determination of morphine in plasma with zeolite Y	Research And Scientific journal of Azad University	17	64	R.Zendehdel , M.Zendehdel, M.Pirali Hamedani	36-41	2007
2	Exposure to Formaldehyde during Sterilization in Some Manufactures and Assessing Its Absorption by Zeolites	Iranian Journal of Toxicology	3	1	R. Zendehdel , M.Zendehdel, M. Ghazi-Khansari, H. Khiri1, A Abdoli	1-10	2007
	Chronic exposure to						

3	chlorophenol related compounds in production workplace and kidney cancer: A meta-analysis	Journal of health in the field	1	3	R.Zendehdel , R. Tayefeh-Rahimian, A. Kabir	41-47	2013
4	The possibility of applying less tracer gas in ASHRAE-110-95 method of hood performance test	Journal of Safety Promotion and Injury Prevention	1	3	Jafari MJ, Kalantari S, Zendehde R , Sarbakhsh P	160-167	2013
5	The performance of a spray tower in scrubbing H ₂ S from air	Journal of Safety Promotion and Injury Prevention			Jafari MJ, Nourian S, Zendehdel R , Massoudinejad MR, Sarbakhsh P, Rahmati AR, Mofidi AA	321-328	2014
6	Feasibility of Substituting Ethylene with SulfurHexa Fluoride as a Tracer Gas in Hood Performance Test by ASHRAE-110-95 Method.	Iranian Journal of occupational health	6		M.J. Jafari, S. Kalantari, R.Zendehdel , and P.Sarbakhsh.	31-36	2014
7	Evaluation of occupational exposure to formaldehyde from selected manufactures of dinnerware melamine production in Tehran	Journal of Safety Promotion and Injury Prevention,	3	2	TehranMazina ni M, Vahabi Shokrlou M, Khodakarim S, Kheiry H, Mosavi Mehraban AA, Zendehdel R	111-116	2015
8	The use of solid phase extraction method based on nano-zeolite Y to measure the amounts of trace heavy metals cadmium(Cd ²⁺) and Cr(Cr ⁶⁺) from aqueous solutions	J Health Syst Res 2015	11	2	R.Zendehdel , R.Tayefeh-Rahimian, Reza. Nodoushan	1-11	2015
9	Toluene vapors adsorption in the fixed and fluidized bed by Nano-Zeolite	Journal of Safety Promotion and Injury Prevention	3	3	Ansari S, Jafari MJ, Sedghi R, Rezazadeh Azari M, Zendehdel R	155-160	2015

10	Blood Factors Changes due to Formaldehyde Exposure Study in Melamine Manufactures Workers	Journal of Safety Promotion and Injury Prevention	4	3	Zendehdel R, Hoseinabadi S, Rafeepour A, Zohreh Fazli Z, Vahaji N	1-7	2016
11	Evaluation of Occupational Exposure and Biological Monitoring of Sand Washing Workers Exposed to Silica Dusts	Journal of Safety Promotion and Injury Prevention	4	3	Parsaseresht GR, Rezazadeh- Azari M, Zendehdel R, Hashemi-Nazari SS, Tavakol E	135- 142	2016
12	Non-carcinogenic risk assessment of occupational exposure to hexavalent chromium in two selected types of chrome electroplating workshops in Tehran	Journal of Health in the Field	4	1	Fazli Z, Zendehdel R, Panahi D, Omidi M, Sajedi J, Firouzeh N	18- 24	2017
13	Evaluation of Occupational exposure to n-Hexane and Aromatic Compounds among workers of Shoe Manufacturing Workshops in Tehran	Journal of occupational and Environmental Health	2	1	Zendehdel R, Sedghi R, Khodakarim S3, Esmaeili Tahneh	99- 107	2016
14	Bacterial bioaerosols determination in nurse stations in a governmental hospital in Tehran	Iranian Association of Environmental Health (IAEH)	11	2	Marziyeh Montazer, Neda Soleimani, Rezvan Zendehdel* , Ko orosh Etemad, Mehrno osh Abtahi, Maryam malmir	281- 292	2017
15	Effect of extremely low frequency magnetic field on the quantity and structure of hemoglobin of employees in electricity industry	Pathobiology Research	22	1	Alizadeh S.Zendehdel R,Asadi S,Ranjbar M,Mahmoodi M,Motevalian M,Hosseini A.	1-5	2019

Books

Author(s)	Editor	Title	Publisher	Site of Publication	Year of Publication
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FH. Shirazi, A. Zarghi, F. Kobarfard, R. Zendehdel , M.Nakhjavani, S.Arfaiee	Open access	Remarks in Successful Cellular Investigations for Fighting Breast Cancer Using Novel Synthetic Compounds	Open access	DOI: 10.5772/23005	2011
R. Zendehdel	Shahid Beheshti University of Medical Science	Chemometrics in Public Health and Medicine	Teimorzade Novine	-	2016
R. Zendehdel	Shahid Beheshti University of Medical Science	Biological Perspective in Modern Occupational Toxicology	Roshani	-	2021
R. Zendehdel , Masoumeh Vahabi Shekarlu, Zahra Panjali	Shahid Beheshti University of Medical Science	An Introduction to Dose-Response Models	Roshani	-	2021