

**Affiliated as:** Professor in the Department of Occupational Health and Safety Engineering, School of Public Health and Safety, Shahid Beheshti University of Medical Sciences, Tehran, Iran.



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## Specialty Records

**Bachelor of Science:** Chemistry (۲۰۰۰)

**Master of Science:** Toxicology (۲۰۰۵)

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

**Ph.D.:** Toxicology (۲۰۱۲)

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

## Professional Experience

- Development of Chemicals analysis
- Occupational exposure assessment
- Chemicals toxicity evaluation
- Modeling in toxicology
- In vitro and molecular toxicity assessment
- In-silico methods in toxicology

### Professional Experience

- Professor of Toxicology in the Department of Occupational Health and Safety in Shahid Beheshti University of medical science
- Guest lecturer of Toxicology in Tarbiat Modarres University.
- Guest lecturer of Toxicology in Islamic Azad University.
- Guest lecturer of Toxicology in HSE Department of Shahid Beheshti University of medical science
- Dean of occupational health and Safety department in Shahid Beheshti University of medical science
- Secretary of the Iranian occupational health association
- Technical manager of Iranian references laboratory in occupational health.
- Technical manager of Shahid Beheshti University of medical science laboratory in occupational health.
- An expert member of a consulting group in the project of occupational health in National gas company.
- An expert member of a consulting group in the project of occupational health in Iranian Falat Gareh.

### Papers

#### By index in the ISI, PubMed & Scopus

۱. M. Ghazi-khansari, **R.Zendehdel**, M. Pirali Hamedani. Determination of morphine in the plasma of addicts in using Zeolite Y extraction following high performance liquid chromatography; *Clinica Chemica Acta*, ۲۰۰۶, ۳۶۴: ۲۳۵-۲۳۸.
۲. **R.Zendehdel**, A.Masoudi-Nejad, J.Mohammadzadeh, F.H.Shirazi. Cisplatin Resistant Patterns in Ovarian Cell Line Using FTIR and Principal Component Analysis; *Iranian Journal of Pharmaceutical Research*, ۲۰۱۲, ۱۱(۱): ۲۳۵-۲۴۰.
۳. **R.Zendehdel**, A.Masoudi-Nejad, F.H.Shirazi. Patterns Prediction of Chemotherapy Sensitivity in Cancer Cell lines Using FTIR Spectrum, Neural Network and Principal Components Analysis; *Iranian Journal of Pharmaceutical Research*, ۲۰۱۲, ۱۱(۲): ۱-۱۰.
۴. **R.Zendehdel**, Tayefeh-Rahimian, A Kabir. Chronic exposure to Chlorophenol related compounds in production workplace and lung cancer: A meta-analysis. *Asian Pacific Journal of Cancer Prevention*, ۲۰۱۴, ۱۵(۱۳): ۵۱۴۹-۵۱۵۳.
۵. **R. Zendehdel**. Oxidative damage modeling by biomonitoring of Exposure to Metals for manual metal arc welders; *Health scope*, ۲۰۱۴, ۳(۳): ۱-۴.
۶. Mansour R. Azari, Asil Yazdian, **Rezvan Zendehdel**, Hamid Souri, Soheila Khodakarim, Habibalah Peirovi, Davod Panahi, Marzieh Kazempour. Improved Method for Analysis of Airborne Asbestos Fibers Using Phase Contrast Microscopy and FTIR Spectrometry; *Tanaffos*, ۲۰۱۴, ۱۲(۳), ۳۸-۴۵.
۷. **R.Zendehdel**, S.Khodakarim, F.H. Shirazi. Predicting of effective dose as Biomarker for Cytotoxicity using Partial least square-Fourier Transform Infrared spectroscopy (PLS\_FTIR). *Iranian Journal of Pharmaceutical Research*, ۲۰۱۵, ۱۴(۴), ۱-۸.
۸. **R. Zendehdel**, Vd Shetab-Boushehri, MR. Azari, V Hosseini, H.Mohammadi. Chemometrics models for assessment of oxidative stress risk in chrome-electroplating workers. *Drug and chemical toxicology*, ۲۰۱۵, ۳۸(۲), ۱۷۴-۱۷۹.

- 
۹. **R.Zendehtdel**, F.H. Shirazi. Discrimination of human cell lines by Infrared spectroscopy and mathematical modeling. Iranian Journal of Pharmaceutical Research, ۲۰۱۰, ۱۴(۳), ۸۰۳-۸۱۰.
  ۱۰. Seyed Younes Hosseini, Mansour Rezazadeh Azari, **Rezvan Zendehtdel**, Hamid Sour, Raana Taiefeh Rahimian. Feasibility the Biological Monitoring of Workers Exposed to Benzene and Toluene via Measuring the Parent Compounds in the Exhaled Breath. Health scope, ۲۰۱۰, ۴(۳), ۱-۵.
  ۱۱. Panahi D, Azari M, Akbari M.E, **Zendehtdel R**, Mirzaei HR, Hatami H, Mehrabi Y. Development of a new method for sampling and monitoring oncology staff exposed to cyclophosphamide drug. Environmenta Monitoring and Assessment, ۲۰۱۶, ۱۸۸(۴), ۲۳۸.
  ۱۲. **R. Zendehtdel**. Z.Fazli, M. Mazinani Neurotoxicity effect of formaldehyde in occupational exposure and influence of individual susceptibility to some metabolism parameters. Environmenta Monitoring and Assessment, ۲۰۱۶, ۱۸۸(۴), ۱۶۸-۱۸۹.
  ۱۳. M.Vahhabi Shekarloo, M. Mazinani, S. Khodakarim, M. Rezazadeh Azari, H.Kheyri, A.A. Mousavi Mehraban, **R.Zendehtdel\***. Irritation risk assessment of occupational exposure to formaldehyde from Melamine dinnerware workshops in Tehran. Iran Occupational Health, ۲۰۱۶, ۱۳(۲), ۱-۸.
  ۱۴. J.Zafari, F, Javani, A Ahmadvand, P Abdolmaleki, M.Soodi, **R.Zendehtdel\***. Investigation of gene expressions in differentiated cell derived bone marrow stem cells during bone morphogenetic protein-۴ treatments with Fourier transform infrared spectroscopy. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, ۲۰۱۷, ۱۷۳, ۶۹۵-۷۰۳.
  ۱۵. Abdullah Barkhordari & Mansour R. Azari & **Rezvan Zendehtdel** & Mahmoud Heidari. Analysis of formaldehyde and acrolein in the aqueous samples using a novel needle trap device containing nanoporous silica aerogel sorbent. Environ Monit Assess, ۲۰۱۷, ۱۸۹(۴), ۱۷۱-۱۸۰.
  ۱۶. Mansour Azari, Davod Panahi, Mohammad Esmaeil Akbari, Hamid Reza Mirzaei, Hamid Reza Rezvani, **Rezvan Zendehtdel**, Yadollah Mehrabi, and Majid Bayatian. Environmental Monitoring of Occupational Exposure to Cyclophosphamide Drug in Two Iranian Hospitals. Iran J Cancer Prev, ۲۰۱۷, ۱۰(۱), ۱-۵.
  ۱۷. **Rezvan Zendehtdel**, Fatemeh Javani Jouni, Behnam Hajipour, Zahra Panjali Homa Kheiri, and Masoomeh Vahabi. DNA Damage in Workers Exposed to Formaldehyde at Concentrations Below Occupational Exposure Limits. Toxicological & Environmental Chemistry, ۲۰۱۷, ۹۹(۹), ۱۴۰۹-۱۴۱۷.
  ۱۸. Tavakol, E., Azari, M., **Zendehtdel, R**, Nikoo, S., Saranjam, B. Risk evaluation of construction workers' exposure to silica dust and the possible lung function impairments. Tanaffos, ۲۰۱۷, ۱۶(۴), ۲۹۵-۳۰۳.
  ۱۹. Azari, M.R., Barkhordari, A., **Zendehtdel, R.**, Heidari, M. A novel needle trap device with nanoporous silica aerogel packed for sampling and analysis of volatile aldehyde compounds in air. Microchemical Journal, ۲۰۱۷, ۱۳۴, ۲۷۰-۲۷۶.
  ۲۰. Ali Kabir, **\*Rezvan Zendehtdel**, Raana Tayefeh Rahimian. 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, ۲۰۱۸, ۴۷(۲), ۱۴۸-۱۵۵.
  ۲۱. **Rezvan Zendehtdel**, Parviz Abdolmaleki, Fatemeh Javani Jouni, Mohammad Mazinani. Genetic variation and risk of DNA damage in peripheral blood lymphocytes of Iranian formaldehyde-exposed workers. Human and Experimental Toxicology, ۲۰۱۸, ۳۷(۷), ۶۹۰-۶۹۶.
  ۲۲. **Rezvan Zendehtdel**, Masoomeh Vahabi & Roya Sedghi. Estimation of formaldehyde occupational exposure limit based on genetic damage in some Iranian exposed workers using benchmark dose method. Environmenta Science and Pollution Research, ۲۰۱۸, ۲۵(۳۱), ۳۱۱۸۳-۳۱۱۸۹.
  ۲۳. Seyed Mohammad Sadata, Shirin Seyed Ghoreyshia, Fatemeh Rajabia, **Rezvan Zendehtdel \***. Development a new method for bio monitoring of multiple-metals in occupational exposure. Journal of Occupational & Environmenta Hygiene, ۲۰۱۸, ۱۵(۱۲), ۸۳۳-۸۴۰.
  ۲۴. Ali Choupani, Mohammad Javad Jafari, Gholamheidar Teimori Boghsani, Mansour R. Azari, **Rezvan Zendehtdel**. Biological monitoring of occupational exposure to dust among aluminium foundry workers. Russian Open Medical Journal, ۲۰۱۸, ۷(۲), ۱-۶.
  ۲۵. Mohammad Javad Jafari, Hasan Irvani, **Rezvan Zendehtdel**, Sheila Khodakarim, Hosein Shojaee Farah Abady. Study of photocatalytic removal of toluene vapor using zeolite Y impregnated with titanium dioxide nanoparticle. Iran Occupational Health, ۲۰۱۸, ۱۵(۲), ۶۹-۷۹.
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۲۶. **Rezvan Zendehtdel**, Zahra Panjali, Akbar Esmaeili Tahneh. Normal hexane occupational exposure estimation in the benchmark response according to color vision impairment. *Iran Occupational Health*, ۲۰۱۸, ۱۰(۴), ۶۲-۷۲.
۲۷. **R. Zendehtdel**, S. Ansari, R. Sedghi, M. J. Jafari. Magnetic nano-zeolite Y as a novel fluidized bed for air Decontamination. *Int. J. Environ. Sci. Technol.*, ۲۰۱۹, ۱۶(۳), ۱۲۶۱-۱۲۶۸.
۲۸. **Zendehtdel, R.**, Yu, I.J., Hajipour-Verdom, B., Panjali, Z. DNA effects of low-level occupational exposure to extremely low frequency electromagnetic fields (۰.۰/۶۰ Hz). *Toxicology and Industrial Health*, ۲۰۱۹, ۳۵(۶), ۴۲۴-۴۳۰.
۲۹. **Zendehtdel, R.**, Fazli, Z., Rezazadeh Azari, M. Neurological risk assessment of co-exposure to heavy metals (chromium and nickel) in chromium-electroplating workers. *Work*, ۲۰۱۹, ۶۳(۳), ۳۵۵-۳۶۰.
۳۰. Jalili, V., **Zendehtdel, R.**, Bahramian, A., Barkhordari, A. Application of Needle Trap Device Based on the Carbon Aerogel for Trace Analysis of n-Hexane in Air Samples. *Chromatographia*. ۲۰۱۹, ۸۲(۱۰), ۱۵۱۵-۱۵۲۱.
۳۱. M Hajibabaei, M.M. Amini, **R.Zendehtdel**, M.J.Nasiri, A. Peymani. Synthesis, characterization and antibacterial activity of imidazole-functionalized Ag/MIL-۱۰۱(Cr). *Journal of Porous Materials*. ۲۰۱۹, ۲۶(۶), ۱۷۲۱-۱۷۲۹.
۳۲. Montazer, M., **Zendehtdel, R.**, Goli, F., Panjali, Z., Soleimani, N. Antibacterial comparison between the nanofibers bed of poly vinylidene fluoride-poly vinyl pirlodine containing a sorbent with one metal and two metals. *Journal of Military Medicine*. ۲۰۱۹, ۲۱(۲), ۱۸۷-۱۹۴.
۳۳. Safinejad, M., Azari, M.R., **Zendehtdel, R.**, Khodakarim, S., Khodarahmi, B. Occupational and biological monitoring of workers exposed to airborne dust in Gol-e-Gohar Iron Ore mine. *Iran Occupational Health*. ۲۰۱۹, ۱۶(۱), ۲۳-۳۲.
۳۴. M. J. Jafari, **R. Zendehtdel**, A. Rafieepour, M. Nakhaei Pour, H. Irvani, S. Khodakarim. Comparison of Y and ZSM-۵ zeolite modified with magnetite nanoparticles in removal of hydrogen sulfide from air. *Int. J. Environ. Sci. Technol.*. ۲۰۲۰, ۱۷(۱), ۱۸۷-۱۹۴.
۳۵. **Zendehtdel, R.**, Montazer, M. Email Author, Soleimani, N. A method development for bacterial quantification and qualification in occupational exposure. *Environmenta Monitoring and Assessment*. ۲۰۲۰. ۱۹۲(۲), ۸۲-۹۲.
۳۶. **Zendehtdel, R.**, Goli, F., Hajibabaei, M. Comparing the microbial inhibition of nanofibres with multi-metal ion exchanged nano-zeolite Y in air sampling. *Journal of applied microbiology*. ۲۰۲۰. ۱۲۸(۱), ۲۰۲-۲۰۸.
۳۷. **Zendehtdel, R.**, Gohari, F., Amini, Z, Parkehtani, H., Rajabi, F. Measuring the levels of acetylcholine-esterase and plasma thiol groups in selected technical personnel of national Iranian gas company. *Iran Occupational Health*, ۲۰۲۰. ۱۷(۱), ۷۷-۸۷.
۳۸. **Zendehtdel, R.**, Asadi, S., Alizadeh, S., Ranjbarian, M. 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*, ۲۰۲۰. ۲۷(۳۶), ۴۵۳۷۴-۴۵۳۸۰.
۳۹. Ghafari, J., Vahabi, M., Dehghan, S.F., **Zendehtdel, R\***. Inside-tube solid-phase microextraction as an interlink between solid phase microextraction and needle device for n-hexane evaluation in air and urine headspace. *Biomedical Chromatography*, ۲۰۲۰. ۳۴(۱۰), ۴۹۲۴.
۴۰. Hajibabaei, M., **Zendehtdel, R.**, Panjali, Z. 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*, ۲۰۲۰. ۳۰(۱۱), ۴۶۲۲-۴۶۲۶.
۴۱. Panjali, Z., Jafari-Tehrani, B., Maghsoudi, N., Abdolmaleki, P., **Zendehtdel, R.** 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*, ۲۰۲۱. ۴۰(۴), ۸۲۰-۸۲۶.
۴۲. Bokharaei- Salim, F., **Zendehtdel, R.**, Helmi- Kohnehshahro, M., Taherianfar, Z. A field study for sars-cov-۲ evaluation by two air sampling strategy during spread in Tehran, Iran. *Pakistan Journal of Analytical and Environmental Chemistry*, ۲۰۲۱. ۲۲(۳), ۲۱-۲۷.
۴۳. Jalili, V., Amin Rashidi, M., Mehrifar, Y., Ghasemi koozekonan, A., **Zendehtdel, R.** A comprehensive review on microextraction techniques for sampling and analysis of fuel ether oxygenates in different matrices. *Microchemical Journal*, ۲۰۲۱. ۱۶۸, ۱۰۶۴۳۷-۱۰۶۴۴۷.

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۴۴. **Zendehtdel, R.**, Gohari, F.A., Tehrani, B.J., Parkehtani, H.N., Sadat, S.M. Practical method for air sampling and analysis of some natural gas odorant. *International Journal of Oil, Gas and Coal Technology*, ۲۰۲۱. ۲۲(۲). ۱۴۳-۱۵۱.
۴۵. **Zendehtdel, R.**, Parsarad, M., Asgari Gandomani, E., Mohammad Alipour, M., Gholamiarjena ki, R. Risk assessment of chemical mixtures by benchmark dose-principle component analysis approach in occupational exposure. *Environmental Science and Pollution Research*, ۲۰۲۱. ۲۸(۴۱). ۵۸۷۸۱-۵۸۷۸۶.
۴۶. Jalili, V., **Zendehtdel, R.**, Barkhordari, A. Supramolecular solvent based microextraction techniques for sampling and preconcentration of heavy metals: A review. *Reviews in Analytical Chemistry*, ۲۰۲۱. ۴۰(۱). ۹۳-۱۰۷.
۴۷. Panjali, Z., Jafari-Tehrani, B., Münzel, T., Hajipour-Verdom, B., **Zendehtdel, R.\*** Effect of tea consumption on oxidative stress and expression of DNA repair genes among metal press workers exposed to occupational noise. *Toxicology Research*, ۲۰۲۱. ۱۰(۱). ۱۳۴-۱۴۰.
۴۸. Zahra Mohammadi, Masoume Vahabi, Seyed Mohammad Sadat, **Rezvan Zendehtdel**, Risk assessment of nano-flame retardants coating in the selected construction industry of Iran by control banding approach. *International Journal of Preventive Medicine*, ۲۰۲۱. ۱-۶.
۴۹. Marzieh Montazer, Neda Soleimani, Masoomeh Vahabi, Mehrnosh Abtahi, Korosh Etemad, **Rezvan Zendehtdel**. 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*, ۲۰۲۱. ۲۵(۲). ۷۸-۸۳.
۵۰. Zahra Panjali, Omar Hahad, Fatemeh Rajabi, Saeid Maddah and **Rezvan Zendehtdel**. Occupational exposure to metal-rich particulate matter modifies the expression of repair genes in foundry workers. *Toxicology and Industrial Health*, ۲۰۲۱. ۸(۱). ۱-۹.
۵۱. Zahra Moradpour · Mehrdad Helmi Kohnehshahri · Masoomeh Vahabi Shekarloo · Vahid Jalili, **Rezvan Zendehtdel**, Peroxidase-like reaction by a synergistic inorganic catalyst colloid: a new method for hydrogen peroxide detecting in air samples. *Colloid and Polymer Science*, ۲۰۲۱. ۱۰(۱). ۱-۱۰.
۵۲. **Rezvan Zendehtdel**, Masoomeh Vahabi. Formaldehyde Carcinogenicity Risk Assessment Using Benchmark Doses Approach Based on Genotoxic Effects in Occupational Exposure. *Journal of Chemical Health Risks*, ۲۰۲۱. ۱۱. ۱-۷.
۵۳. Bokharaei-Salim, F., **Zendehtdel, R.**, Helmi-Kohnehshahro, M., Taherianfar, Z. A Field Study for SARS-CoV-۲ Evaluation by Two Air Sampling Strategy During Spread in Tehran, Iran. *Pakistan Journal of Analytical and Environmental Chemistry*, ۲۰۲۱. ۲۲(۱). ۲۱-۲۷.
۵۴. Zahra Moradpour, Ghasem Hesam, Mehrdad Helmi\_Kohnehshahri , Farah Bokharaei-Salim , Mostafa Pouyakian, **Rezvan Zendehtdel**. Investigating the Ventilation System of an Intensive Care Unit in the COVID-۱۹ Crisis: A Study in a Hospital of Tehran, Iran, ۲۰۲۱. ۲۰(۳). ۲۴۰-۲۴۵.
۵۵. Negar Saffarinia, Mostafa Pouyakian, **Rezvan Zendehtdel**, and Reza Ramezani. Presenting a New Method to Evaluate the Severity of the Incompatibility of Dangerous Goods Based on FTOPSIS: A Case Study of the ۴,۳ Class. *ACS Chemical Health and Safety*, ۲۰۲۱. ۲۸(۵). ۳۳۹-۳۴۷.
۵۶. **Rezvan Zendehtdel**, Shirin Seyed Ghoreyshi, Fatemeh Rajabi, Zohreh Amini, Majid Mahdian Dehkordi, Hakimeh Nouri Parkehtani. The Oxidative Stress of Mercaptan Odorant Due to Occupational Exposure: Adverse Effects on the Cholinergic System. *Iranian journal of Toxicology*, ۲۰۲۲. ۱۶(۲). ۹۱-۹۷.
۵۷. **Rezvan Zendehtdel** Mostafa M. Amini, Majid Hajibabaei Mohammad Javad Nasiri, Mohammad Javad Jafari| Masoomeh Karimi Alavijeh. Doping metal-organic framework composites to antibacterial air filter development for quality control of indoor air, *Environmental progress & sustainable energy*, ۲۰۲۲. ۴۱(۶). ۱-۱۰.
۵۸. Masoomeh Vahabi Shekarloo, Zahra Panjali, Younes Mehrifar, Soleiman Ramezanifar, Seyed Husein Naziri, Aysa Ghasemi Koozekonan, Zahra Moradpour & **Rezvan Zendehtdel**. 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*, ۲۰۲۲. ۱۳(۱۲). ۱۲۶۹-۱۲۷۷.
۵۹. Zahra Panjalialia , Parviz Abdolmaleki, Behnam Hajipour-Verdom, Omar Hahad, and **Rezvan Zendehtdel**. Lung cell toxicity of co-exposure to airborne particulate matter and extremely low-frequency magnetic field. *Xenobiotica*, ۲۰۲۲. ۵۲ (۴). ۳۷۰-۳۷۹.
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۶۰. Elham A Gandomani, Nariman Mosaffa, **Rezvan Zendehtdel**, Mehrdad H Kohneshahri, Masoomeh Vahabi and Siamak Sabour, Release of Interleukin- $\beta$  evaluation among mineral oil mist-exposed workers. *Toxicology and Industrial Health*, ۲۰۲۲. ۳۸ (۵). ۲۷۰-۲۷۶.
۶۱. Zahra Moradpour, Soleiman Ramezanifar, Elham Asgari Gandomani, **Rezvan Zendehtdel**. Semi-quantitative Respiratory Health Risk Assessment of Exposure to Metalworking Fluids (Oil Mists) in an Automotive Industry. *Journal of Chemical Health Risks*, ۲۰۲۲. ۱۴ (۱). ۱-۹.
۶۲. Masoomeh Vahabi, Homeira Ebrahimzadeh, **Rezvan Zendehtdel**, Niloofar Jalilian, and Soheila Khodakarim. 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*, ۲۰۲۲. ۵۶(۸). ۱-۱۰.
۶۳. Zahra Moradpour, Parviz Abdolmaleki, Behnam Hajipour-Verdom, Ali Khavanin, Zahra Panjali, Nader Maghsudi, Mansoureh Hamidi & **Rezvan Zendehtdel**. DNA breaks evaluation of two water-based metalworking fluids by an occupational exposure design. *Toxin Reviews*, ۲۰۲۳. ۴۲(۱). ۳۴۲-۳۴۸.
۶۴. Ali Omid, **Rezvan zendehtdel**, Neda Izady, Ali Akbar Sharifkhani, Zahra Moradpour. The Risk of Exposure to Pesticides on Autism Disorder: A Systematic Review and Meta-analysis. *Journal of Chemical Health Risks*, ۲۰۲۳. ۱۳(۱). ۳۱-۴۲.
۶۵. Masoomeh Vahabi Shekarloo, Siamak Ashrafi Barzideh, **Rezvan Zendehtdel**. Application of The Headspace - Needle Trap Device Based on Molecularly Imprinted Polymer for Co-Extraction of Two Volatile Biomarkers in Urine. *Journal of Health and Safety at Work*, ۲۰۲۳. ۱۲(۳). ۵۸۱-۶۰۰.
۶۶. Zahra Moradpour, **Rezvan Zendehtdel**, Behnam Hajipour-Verdom, Parviz Abdolmaleki, Ali Khavanin & Masoomeh Vahabi Shekarloo. Prediction of size-selective permitted daily exposures for mineral oil mist based on an in vitro study in different scenarios. *International Journal of Environmental Health Research*, ۲۰۲۴. ۳۴(۲). ۱۰۴۴-۱۰۵۲.
۶۷. Fatemeh Ravannakhjavani, Somayeh Farhang Dehghan, Davod Panahi, Zahra Moradpour, **Rezvan Zendehtdel**. Multi-metal Nanozyme properties for colorimetric peroxidase reaction: Overview of an applicable method validation for  $H_2O_2$  detection. ۲۰۲۴. ۳۴. ۸۱۸-۸۲۶.
۶۸. Ali Omid, Shokooh Sadat Khaloo, **Rezvan Zendehtdel**, Fatemeh Ravannakhjavani, Soheila Khodakarim, Masoud Ghanbari kakavandi, Siamak Ashrafi Barzideh. Ionic liquid-supported Cu-ROD nanocomposite by dispersive solid phase extraction for sample preparation of some phthalates in bottled water. *Journal of Food Composition and Analysis*, ۲۰۲۴. ۱۲۵. ۱۰۵۷۰۹-۱۰۵۷۱۸.
۶۹. Mohammad Amin Rashidi, **Rezvan Zendehtdel**, Shahab Falahi, Soudabeh Ghodsi, Hori Ghaneialvar, Sajad Najafi. The emerging potential of green-synthesized nanoparticles as colorimetric sensors for ammonia detection. *Microchemical Journal*, ۲۰۲۴. ۱۹۶. ۱۰۹۶۴۶-۱۰۹۶۵۷.
۷۰. Fatemeh Ravannakhjavani, Afsaneh Azimian, Parviz Abdolmalekic, Mehdi Sadeghigougheri, Ali Omid, Mehrdad Helmi Kohneshahri and **Rezvan Zendehtdel**. Catalytic activity improvement by one-dimensional structure nanocomposite for hydrogen peroxide detection in occupational exposure monitoring. *International Journal of Environmental Analytical Chemistry*, ۲۰۲۴. ۱۰۵(۸). ۱۸۱۵-۱۸۲۵.
۷۱. Vahid Jalili, Alireza Ghiasvand, Homeira Ebrahimzadeh, Masoomeh Vahabi, **Rezvan Zendehtdel**. Comparative study of molecularly imprinted polymer surface modified magnetic silica aerogel, zeolite Y, and MIL-۱۰۱(Cr) for dispersive solid phase extraction of fuel ether oxygenates in drinking water. *Food Chemistry*, ۲۰۲۴. ۴۴۶. ۱۳۸۴۵۵-۱۳۸۴۶۳.
۷۲. **Rezvan Zendehtdel**, Omar Hahad and Zahra Panjali. Human epithelial lung cell toxicity assessment of collected graphite particles from an iron casting industry (in vitro study). *International Journal of Environmental Health Research*, ۲۰۲۴. ۳۴(۹):۳۱۲۶-۳۱۳۵.
۷۳. Zahra Moradpour, Ali Khavanin, Parviz Abdolmaleki, Behnam Hajipour-Verdom, Seyed Javad Mola, Mansoureh Hamidi and **Rezvan Zendehtdel**. Cell toxicity assessment in co-treatment to metalworking fluids and vibration: an in vitro study of occupational exposure setting. *International Journal of Environmental Health Research*, ۲۰۲۴. ۳۴(۷):۱-۱۰.
۷۴. Ali Omid, **Rezvan Zendehtdel**, Shokooh Sadat Khaloo, Akbar Barzegar. Zinc Oxide Nanorod-Magnetized Silica Aerogel as a New Composite in Solid Phase Extraction for Phthalate Esters Detection: Optimization by Response Surface Methodology, ۲۰۲۴. ۴۸: ۶۰۹-۶۲۳.
۷۵. Vahid Jalili, Alireza Ghiasvand, Homeira Ebrahimzadeh, **Rezvan Zendehtdel**. Urinary biomonitoring of fuel ether oxygenates using a needle trap device packed with a novel molecularly
-

- 
- imprinted polymer surface modified Zeolite Y. *Journal of Chromatography A*, ۲۰۲۴. ۱۷۲(۵): ۴۶۴۹۴۹-۴۶۴۹۵۹.
۷۶. Z Moradpour, B Jafari Tehrani, F Ravan nakhjavani, H Naziri, M Tansaz, M Hamidi, **R Zendehtdel**. Oxidative Stress Assessment of Noise Exposure in the Workers Using Hearing Protection in a Pressing Industry. *Asian Pac J Cancer Prev*, ۲۰۲۴. ۲۵(۶): ۱۹۲۹-۱۹۳۴.
۷۷. Vafa Feyzi, Ali Alboghobeish, Sayed Vahid Esmaeili, Rezvan **Zendehtdel**, Somayeh Farhang Dehghan. A scoping review on advantages and drawbacks of nanotechnology in the field of occupational health. *Nanotechnology for Environmental Engineering*, ۲۰۲۴. ۹: ۵۹۳-۶۱۵.
- ۷۸.
۷۹. Sayed Vahid Esmaeili, Ali Alboghobeish, Vafa Feyzi, Fatemeh Ravannakhjavani and **Rezvan Zendehtdel**. Virtual screening study for biological activity assessment and metabolism pathway of a fuel dye in airborne exposure scenario. *Toxicology and Industrial Health*, ۲۰۲۴. ۰ (۰): ۱-۱۰.
۷۹. Mohammad Amin Rashidi, Shahab Falahi, Somayeh Farhang Dehghan, Homeira Ebrahimzadeh. **Rezvan Zendehtdel**. Green synthesis of silver nanoparticles by *Smyrniun cordifolium* plant and its application for colorimetric detection of ammonia. *Scientific Reports*, ۲۰۲۴. ۱۴: ۲۴۱۶۱-۲۴۱۵.
۸۰. **Rezvan Zendehtdel**, elham asgari-Gandomani, athena Rafieepour, Zahra Panjali and Zahra Moradpour. DNA damage in workers exposed to mineral oils. *Drug and Chemical Toxicology*, ۲۰۲۵. ۴۸ (۳): ۵۴۰-۵۴۶.
۸۱. Fatemeh asadipour, Shokooh Sadat Khaloo, Behnam Hajipour Verdom, Fatemeh Ravannakhjavani, **Rezvan Zendehtdel**. A rod structure by oxidative activation potency: An applicable method in hexavalent chromium detection. *Inorganic Chemistry Communications*, ۲۰۲۵. ۱۷۸: ۱۱۴۳۱۰-۱۱۴۳۲۰.
۸۲. **Rezvan Zendehtdel**, Vahid Jalili, Homeira Ebrahimzadeh, and Masoomeh Vahabi Shekarloo. Surface Molecularly Imprinted Polymer–Needle Trap Device for the Biomonitoring of Two Neurotoxic Compounds in Exhaled Air. *Journal of Analytical Chemistry*, ۲۰۲۵, ۸۰(۷): ۱۱۵۲-۱۱۶۲.
۸۳. Shiva Mohammadjani Kumeleh, Fatemeh Asadipour, Mahmoud Heidari & **Rezvan Zendehtdel**. Hexavalent chromium detection in air samples according to catalytic peroxidase reaction. doi.org/۱۰.۱۰۸۰/۰۳.۶۷۳۱۹, ۲۰۲۵, ۲۵۵.۶۶.
۸۴. Akram Tabrizi, Fatemeh Paridokht, Yaser Khorshidi Behzadi, **Rezvan Zendehtdel**. A systematic review of computational simulation methods for predicting the toxicity of chemical compounds. *Journal of Health and Safety at Work*, ۲۰۲۵, ۱۵(۲): ۴۳۲-۴۶۲.
۸۵. Fatemeh Asadipour, Shokooh Sadat Khaloo, Zahra Ravannakhjavani, Shiva Mohammadjani kumeleh, **Rezvan Zendehtdel**. Chemo-sensor of schiff base characterization for colorimetric detection of inorganic sulfate: An overview method validation for hydrogen sulfide analysis of air samples. *Journal of Photochemistry & Photobiology, A: Chemistry*, ۲۰۲۶, ۴۷۲: ۱۱۶۸۵۳-۱۱۶۸۶۰.
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