

Saeed Rajabi

CONTACT INFORMATION	Kerman University of Medical Sciences, Faculty of Public Health, Kerman, Iran	Cell: +98 34 3132??? Tel: +98 913 2995130 Saeedrajabi27@gmail.com S.rajabi@kmu.ac.ir
RESEARCH INTERESTS	<ul style="list-style-type: none">• Wastewater & Water Treatment• Environmental Chemistry• Environmental Epidemiology & Pollutants Biomonitoring in the Human Body• Synthesis of Nanoparticles• Health Risk Assessment	
EDUCATION	<ul style="list-style-type: none">• Shiraz University of Medical Sciences, Shiraz, Iran. Oct. 2021 – Nov. 2024 Ph.D. in Environmental Health Engineering• Kerman University of Medical Sciences, Kerman, Iran. Sep. 2019 – Sep. 2021 M.Sc. in Environmental Health Engineering• Kerman University of Medical Sciences, Kerman, Iran. Sep. 2015 – July 2019 B.Sc. in Environmental Health Engineering,	
HONORS AND AWARDS	<ul style="list-style-type: none">• Granted admission of <i>Talented Student Office</i> of Kerman University of Medical Sciences for graduate study.• Ranked 1st, in Cumulative GPA among more than 20 students of the Environmental Health Engineering, Class (B.Sc.) of 2019 students, Kerman University of Medical Sciences, July 2019.• Ranked 1st, in Cumulative GPA among 4 students of the Environmental Health Engineering, Class (M.Sc.) of 2021 students, Kerman University of Medical Sciences, Sep 2021.• Ranked 1st, in Cumulative GPA among 2 students of the Environmental Health Engineering, Class (Ph.D.) of 2024 students, Shiraz University of Medical Sciences, Nov 2024.• Iranian National Elite Foundation's best student award recipient in the province of Fars, Nov 2022.• <i>Talented Student Office</i> of Shiraz University of Medical Sciences in Ph.D. degree (2023).• National Outstanding Researcher Student (2023)	
PUBLICATIONS	<ul style="list-style-type: none">• Rajabi S, Hashemi H, Samaei MR, Nasiri A, Azhdarpoor A, Yousefinejad S, et al. <i>Magnetic Ag0 and CuO doped bio-sonocatalyst multi-walled carbon nanotube for synergized degradation of monoethylene glycol from gas refinery effluents</i>. Journal of Water Process Engineering. 2025;77:108330.• Abolghasemi, S., Nasiri, A., Hashemi, M., Rajabi, S.*, Rahimi, F. <i>Magnetic nanocomposites: innovative adsorbents for antibiotics removal from aqueous environments—a narrative review</i>. Applied Water Science 15, 30 (2025).• Hashemi M, Abolghasemi S, Rahimi F, Rajabi S*, Nasiri A. <i>Peroxydisulfate activation by synergized modified AgCuFe2O4@GO nanoparticle electrode with anchored MnO2 in cefixime three-dimensional electrochemical degradation: Optimization and mechanisms</i>. Journal of Environmental Management. 2025;373:123978.• Rajabi S, Ahmadian F, Maleky S, Hashemi H. <i>Chemical coagulation/flocculation process in organic load reduction of machining oily effluent (Z1): RSM-CCD optimization</i>. Applied Water Science. 2025; 15(10):252.• Ahmadian, F., Rajabi, S., Maleky, S. et al. <i>Spatiotemporal analysis of airborne pollutants and health risks in Mashhad metropolis: enhanced insights through sensitivity analysis and machine learning</i>. Environ Geochem Health 47, 34 (2025).• Pezeshki H, Rajabi S*, Hashemi M, Moradalizadeh S, Nasab H. <i>Per-and Poly-fluoroalkyl Substances as Forever Chemicals in Drinking Water: Unraveling the Nexus with Obesity and Endocrine Disruption—A Mini Review</i>. Heliyon. 2025 Feb 18.• Nasab H, Hashemi M, Mirzaee M, Rajabi S, Ebrahimpour K. <i>Enhanced Sensitive Determination of Triclosan and Methyl Triclosan in Human Urine by Dispersive Liquid–Liquid Microextraction Coupled with GC–MS</i>. Journal of Environmental Health and Sustainable Development. 2025;10(3):2781-91.• Fouladi-Fard, R., K. Naddafi, M.R. Hosseini, M. Yunesian, R.N. Nodehi, M.H. Dehghani, M.S. Hassanvand, M. Dehabadi, M. Fiore, N.R. Rahimi, and S. Rajabi, <i>Health risk assessment and Sobol' sensitivity analysis of power plant air pollution (SO2 and NOX): the effect of power plant fuel change</i>. Integrated Environmental Assessment and Management, 2025. 21(1): p. 161–171.	

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- Ahmadian, F., **S. Rajabi**, and A. Azhdarpoor, *Atmospheric Concentrations, Seasonal Variations, and Health Risk Assessment of PM2.5, PM10, and SO2 in Tehran Metropolis, Iran*. Journal of Health Sciences and Surveillance System, 2025. 13(2): p. 161–173.
 - **Rajabi S**, Derakhshan Z, Maleky S, Nasiri A, Ahmadi B, Feilizadeh M, Mohammadpour A, Samaei MR, Hashemi M. *Innovative grey water treatment using eco-friendly bio-photocatalyst AgCuFe2O4@chitosan in the presence of synergistic effects of persulfate activation: optimization and mechanisms*. International Journal of Biological Macromolecules. 2024 Dec 6:138375.
 - Hashemi M, Rahimi F, Abolghasemi S, Nasiri A, **Rajabi S***. *Revealing Efficacy of AgCuFe2O4@GO/MnO2 in 3D Electrochemical Oxidation for Ceftriaxone Degradation in Aqueous Media: Optimization and Mechanisms*. Environmental Technology & Innovation. 2024 Nov 26:103914.
 - **Rajabi S**, Hashemi H, Samaei MR, Nasiri A, Azhdarpoor A, Yousefinejad S. *Enhanced sonophotocatalytic and adsorption capabilities of Fe3O4@MC/MWCNT-CuO/Ag for petrochemical organic pollutants degradation from industrial process streams*. Arabian Journal of Chemistry. 2024 Nov 1;17(11):105994.
 - **Rajabi S**, Derakhshan Z, Nasiri A, Feilizadeh M, Mohammadpour A, Salmani M, Kochaki SH, Shouhanian H, Hashemi H. *Synergistic Degradation of Metronidazole and Penicillin G in Aqueous Solutions Using AgZnFe2O4@Chitosan Nano-photocatalyst under UV/Persulfate Activation*. Environmental Technology & Innovation. 2024 Jun 26:103724.
 - Rahimi F, Nasiri A, Hashemi M, **Rajabi S***, Abolghasemi S. *Advances in Three-Dimensional Electrochemical Degradation: A Comprehensive Review on Pharmaceutical Pollutants Removal from Aqueous Solution*. Chemosphere. 2024 Jun 14:142620.
 - **Rajabi S**, Derakhshan Z, Hashemi M, Feilizadeh M, Heidari Kochaki S, Hashemi H, Salehi M, Zare A, Shourabi NS, Moradalizadeh S. *Metronidazole adsorption by bio-synthesized silver-zinc ferrite nanoadsorbent in presence of chitosan from aqueous media: response surface methodology*. Applied Water Science. 2024 May;14(5):92.
 - Nasiri A, Golestani N, **Rajabi S**, Hashemi M. *Facile and green synthesis of recyclable, environmentally friendly, chemically stable, and cost-effective magnetic nanohybrid adsorbent for tetracycline adsorption*. Heliyon. 2024 Jan 9.
 - Hashemi H, Salehi N, **Rajabi S***, Isinkaralar K. *Evaluation of acute phytotoxicity of raw leachate and landfill leachate using Sorghum bicolor seeds*. Environmental Health Engineering and Management Journal. 2023;10(4).
 - Hashemi M, Maleky S, **Rajabi S**. *Nanoadsorbents in Air Pollution Control*. In Adsorption through Advanced Nanoscale Materials 2023 Jan 1 (pp. 289-324). Elsevier.
 - Hashemi M, **Rajabi S**, Maleky S. *Toxicity and health impacts of nanoadsorbents*. In Adsorption through Advanced Nanoscale Materials 2023 Jan 1 (pp. 461-482). Elsevier.
 - Khademi N, **Rajabi S**, Fararouei M, Rafiee A, Azhdarpoor A, Hoseini M. *Environmental exposure to organophosphate pesticides and effects on cognitive functions in elementary school children in a Middle Eastern area*. Environmental Science and Pollution Research. 2023 Oct 6:1-6.
 - Eslamidoost Z, Samaei MR, Hashemi H, Baghapour MA, Arabzadeh M, Dehghani S, **Rajabi S**. *Assessment of air quality using AERMOD modeling: a case study in the Middle East*. Environmental Monitoring and Assessment. 2023 Nov;195(11):1-0.
 - Mohammadpour A, **Rajabi S**, Bell M, Baghapour MA, Aliyeva A, Mousavi Khaneghah A. *Seasonal variations of potentially toxic elements (PTEs) in drinking water and health risk assessment via Monte Carlo simulation and Sobol sensitivity analysis in southern Iran's largest city*. Applied Water Science. 2023 Dec;13(12):237.
 - Arabzadeh M, Eslamidoost Z, **Rajabi S***, Hashemi H, Aboulfotoh A, Rosti F, Nazari F, Borji BP, Hajivand M. *Wastewater quality index (WWQI) as an indicator for the assessment of sanitary effluents from the oil and gas industries for reliable and sustainable water reuse*. Groundwater for Sustainable Development. 2023 Sep 20:101015.
 - Shahdadi M, Safarirad M, Berizi E, Mazloomi SM, Hosseinzadeh S, Zare M, Derakhshan Z, **Rajabi S**. *A systematic review and modeling of the effect of bacteriophages on Salmonella spp. reduction in chicken meat*. Heliyon. 2023 Apr 1.
 - Riasatian M, Mazloomi SM, Ahmadi A, Derakhshan Z, **Rajabi S**. *Benefits of fermented synbiotic soymilk containing Lactobacillus acidophilus, Bifidobacterium lactis, and inulin towards lead toxicity alleviation*. Heliyon. 2023 Jun 23.
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- Hashemzadeh F, Derakhshandeh SH, Soori MM, Khedri F, **Rajabi S***. *Bisphenol A adsorption using modified aloe vera leaf-wastes derived bio-sorbents from aqueous solution: kinetic, isotherm, and thermodynamic studies*. International Journal of Environmental Health Research. 2023 May 10:1-21.
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 - Hashemi H, **Rajabi S***, Nikooee S, Asrari E. *Ozonation of secondary industrial effluent for beneficial reuse*. Desalin Water Treat. 2023;287:96-102.
 - Hashemi M, **Rajabi S***, Eghbalian M, Suliburska J, Nasab H. *Demographic and anthropometric characteristics and their effect on the concentration of heavy metals (arsenic, lead, chromium, zinc) in children and adolescents*. Heliyon. 2023 Feb 1;9(2).
 - Morovati R, Ghaneian MT, **Rajabi S**, Dehghani M. *Degradation efficiency of humic acid in presence of hydrogen peroxide and ultrasonic from aqueous media*. Desalination and Water Treatment. 281(2023)249-254
 - Pezeshki H, Hashemi M, **Rajabi S***. *Removal of arsenic as a potentially toxic element from drinking water by filtration: A mini review of nanofiltration and reverse osmosis techniques*. Heliyon. 2023 Mar 4.
 - Zarei MR, Fallahizadeh S, **Rajabi S**, Gharehchahi E, Rahimi N, Azhdarpoor A. *Non-carcinogenic health risk assessment and Monte Carlo simulation of nitrite, nitrate, and fluoride in drinking water of Yasuj, Iran*. International Journal of Environmental Analytical Chemistry. 2022 Dec 8:1-9.
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 - **Rajabi S**, Zarei MR, Karamoozian A, Mohammadpour A, Azhdarpoor A. *Sobol Sensitivity Analysis for Non-Carcinogenic Health Risk Assessment and Water Quality Index for Kohgiluyeh and Boyer-Ahmad Province, Western Iran*. Arabian Journal of Chemistry. 2022 Oct 13:104342.
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 - Nasiri A, **Rajabi S**, Amiri A, Fattahizade M, Hasani O, Lalehzari A, Hashemi M. *Adsorption of tetracycline using CuCoFe₂O₄@ Chitosan as a new and green magnetic nanohybrid adsorbent from aqueous solutions: Isotherm, kinetic and thermodynamic study*. Arabian Journal of Chemistry. 2022 Aug 1;15(8):104014.
 - Nasiri A, **Rajabi S***, Hashemi M, Nasab H. *CuCoFe₂O₄@ MC/AC as a new hybrid magnetic nanocomposite for Metronidazole removal from wastewater: bioassay and toxicity of effluent*. Separation and Purification Technology. 2022 May 28:121366.
 - Nasab H, Mirzaee M, Hashemi M, **Rajabi S**. *Measurement of Urinary Triclocarban and 2, 4-Dichlorophenol Concentration and Their Relationship with Obesity and Predictors of Cardiovascular Diseases among Children and Adolescents in Kerman, Iran*. Journal of Environmental and Public Health. 2022 Jan 20;2022.
 - Nasab H, **Rajabi S**, Eghbalian M, Malakootian M, Hashemi M, Mahmoudi-Moghaddam H. *Association of As, Pb, Cr, and Zn urinary heavy metals levels with predictive indicators of cardiovascular disease and obesity in children and adolescents*. Chemosphere. 2022 Jan 20:133664.
 - Nasiri A, **Rajabi S**, Hashemi M. *CoFe₂O₄@ Methylcellulose/AC as a New, Green, and Eco-friendly Nano-magnetic Adsorbent for Removal of Reactive Red 198 from Aqueous Solution*. Arabian Journal of Chemistry. 2022 Feb 1:103745.
 - Nasab H, **Rajabi S**, Mirzaee M, Hashemi M. *Association of urinary triclosan, methyl triclosan, triclocarban, and 2, 4-dichlorophenol levels with anthropometric and demographic parameters in*
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children and adolescents in 2020 (case study: Kerman, Iran). Environmental Science and Pollution Research. 2022 Jan 7:1-0.

- **Rajabi S**, Nasiri A, Hashemi M. *Enhanced activation of persulfate by CuCoFe₂O₄@MC/AC as a novel nanomagnetic heterogeneous catalyst with ultrasonic for metronidazole degradation*. Chemosphere. 2022;286:131872.
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Conference
Paper

1. *Development of a new method for the identification and measurement of three major metabolites of di (2-ethylhexyl) phthalate in human urine samples using Liquid-Liquid Microextraction and Gas Chromatography/Mass Spectrometry (Case study: Urine samples from children and adolescents) (Oral presentation in 4th International and 23rd National Conference on Environmental Health, 2021)*
 2. *Spinel Ferrite Nanoparticles as a New Magnetic Nano Adsorbent to Decolorization of Azo Dye from Aqueous Media (Poster presentation in 8th International E-congress on Nanosciences and Nanotechnology (ICNN 2021))*
 3. *Nano ZnFe₂O₄@Methylcellulose as a New Magnetic Nanophotocatalyst for Antibiotic Degradation (Poster presentation in 8th International E-congress on Nanosciences and Nanotechnology (ICNN 2021))*
 4. *Metronidazole antibiotic degradation by a new magnetic nano-catalyst CuCoFe₂O₄@MC/AC in presence of persulfate and ultrasonic (Poster presentation in 5th International and 24th National Conference on Environmental Health, 2021)*
 5. *Synthesis of CoFe₂O₄@MC using Methylcellulose as a highly efficient and green nano-catalyst to Metronidazole photocatalytic degradation (Poster presentation in 5th International and 24th National Conference on Environmental Health, 2021)*
 6. *Metronidazole photodegradation by a new nano-biomagnetic photocatalyst ZnFe₂O₄@Methylcellulose (Oral presentation in 5th International and 24th National Conference on Environmental Health, 2021)*
 7. *Isolation and determination of triclosan and methyl triclosan in urine samples using Dispersive Liquid-Liquid Micro-Extraction (DLLME) method and gas chromatography-mass spectrometry (Case study: children and adolescents in Kerman) (Poster presentation in 5th International and 24th National Conference on Environmental Health, 2021)*
 8. *Investigation of Antibacterial and Antifungal Activities of Powdered Cuttlebone (Poster presentation in 1st International & The 14th National University Student Conference on Innovation in Health Sciences, 2022)*
 9. *Synthesis of Montmorillonite/Hematite as a Magnetic Nano-adsorbent for Ammonium Removal from Waste Leachate (Oral presentation in 1st International & The 14th National University Student Conference on Innovation in Health Sciences, 2022)*
 10. *Investigating the relationship between exposure to urinary levels of endocrine-disrupting chemicals (Triclosan, Methyl triclosan, Triclocarban and 2,4-Dichlorophenol) with blood pressure and lipid profile in children and adolescents in Kerman city (Oral presentation in 6th International and 25th National Conference on Environmental Health, 2022)*
 11. *Investigating the effects of exposure to heavy metals Arsenic, Lead, Chromium and Zinc on blood pressure and lipid profile in children and adolescents in Kerman city (Poster presentation in 6th International and 25th National Conference on Environmental Health, 2022)*
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TEACHING
EXPERIENCE

- Teacher Assistant for teaching and solving problems of students
 - Teaching Assistant for the lesson on Environmental Health (Water) in 8 sessions
 - Teaching the lesson on Wastewater Treatment in 24 sessions
 - Teaching the lesson on Disinfectants Application in 14 sessions
 - Teaching the lesson on Environmental Health in Emergencies and Disasters in 8 sessions
 - Teaching the lesson on Environmental Chemistry in 15 sessions
 - Teaching the lesson on Environmental Microbiology in 15 sessions
 - Teaching the lesson on Fluid Mechanics in 17 sessions
 - Teaching the lesson on Food Hygiene in 17 sessions
 - Holding workshop for AirQ⁺ software in 6 hours
 - Holding a workshop for Design of Experiment software in 4 hours
 - Holding workshop for Researching, Proposal Writing, and Paper Writing in 9 hours
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