# *Curriculum Vitae (CV)*

# Karim Ebrahimpour, Ph.D.

**Personal information:**

Date of birth: 23 August 1976, married (2 children)

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**Current position:** Associate professor, Department of Environmental Health Engineering, School of Heath, Isfahan University of medical sciences (Since 2015)

## RESEARCH IDs

| Database | H-index | Link |
|---|---|---|
| **ORCID** | | https://orcid.org/my-orcid?orcid=0000-0002-6230-0119 |
| **Scopus** | 20 | https://www.scopus.com/authid/detail.uri?authorId=56272158800 |
| **Google scholar** | 21 | https://scholar.google.com/citations?user=vZ7TM7oAAAAJ&hl=en |

## EDUCATION

**Ph.D. in Toxicology**

**University:** Shahid Beheshti University of Medical sciences, Tehran, Iran (2010-2015)

**Thesis title:** Isolation and identification of cytotoxic fractions of Iranian cobra snake venom and study of its effects on different cancer cell lines

**Joint supervisors:** Professor Hossein Vatanpour

**MSc. in Toxicology**

**University:** Ahwas university of Medical sciences, Ahwaz, Iran (2004-2008)

**Thesis title:** Biological monitoring of exposure to benzene among Iranian petrochemical workers via determination of urinary trans, trans-muconic acid

**Joint supervisors:** Professor Amir Jalali

## ADMINISTRATIVE POSITIONS:

Head of Environment Research Center, Isfahan, Iran (Since 2018)

## TEACHING and SUPERVISING EXPERIENCE

**Lecturer:** Isfahan University of medical sciences (Since 2015)

**Supervisor:** Supervising graduate dissertations (20 dissertations)

## RESEARCH SKILLS

Extensive knowledge of SPSS software and statistical programs
Report writing and submitting
Proposal grant writing
Search in academic databases
Writing of review, systematic review and meta-analysis paper

## LABORATORY SKILLS

Cell culture and cellular and molecular techniques
Chromatography instruments: GC, HPLC, GC-Mass
Spectrophotometry instruments: UV-VIS Spectrophotometry, Atomic Absorption, Flam photometry and ICP
Method development in analytical chemistry
Bioassays: Algal bioassay and zebrafish
Environmental sampling and sample processing

## GRANTS AND FELLOWSHIPS

Isfahan University of medical sciences research grant (for 15 research projects)
National Institute for Medical research grant (2018)

## PUBLICATIONS

[1-85]

1. Abdolahnejad, A., et al., *Monitoring and health risk assessment of phthalate esters in household's drinking water of Isfahan, Iran.* International Journal of Environmental Science and Technology, 2019. **16**: p. 7409-7416.
2. Aghili Dehnavi, H., et al., *Assessment of toxicity and kinetic effects of erythromycin on activated sludge consortium by fast respirometry method.* Environmental Health Engineering and Management Journal, 2021. **8**(3): p. 205-214.
3. Amin, M.M., et al., *Biodegradation of natural and synthetic estrogens in moving bed bioreactor.* Chinese Journal of Chemical Engineering, 2018. **26**(2): p. 393-399.
4. Amin, M.M., et al., *Association of exposure to Bisphenol A with obesity and cardiometabolic risk factors in children and adolescents.* International journal of environmental health research, 2019. **29**(1): p. 94-106.
5. Amin, M.M., K. Ebrahim, and P. Poursafa, *Development of a dispersive liquid–liquid microextraction (DLLME) method coupled with GC/MS as a simple and valid method for simultaneous determination of phthalate metabolites in plasma.* International Journal of Environmental Analytical Chemistry, 2017. **97**(14-15): p. 1362-1377.
6. Amin, M.M., et al., *Method development of di-(2-ethylhexyl) phthalate metabolites detection by dispersive liquid–liquid microextraction gas chromatography–mass spectrometry from urine.* International Journal of Environmental Health Engineering, 2018. **7**(1): p. 4.
7. Amin, M.M., et al., *Association of urinary concentrations of phthalate metabolites with cardiometabolic risk factors and obesity in children and adolescents.* Chemosphere, 2018. **211**: p. 547-556.
8. Amin, M.M., et al., *Determination of parabens in wastewater and sludge in a municipal wastewater treatment plant using microwaveassisted dispersive liquid-liquid microextraction coupled with gas chromatography-mass spectrometry.* .2019 ,مجله مدیریت و مهندسی بهداشت محیط 6(3): p. 215-224.
9. Amin, M.M., et al., *Treatment of industrial wastewater contaminated with recalcitrant metal working fluids by the photo-Fenton process as post-treatment for DAF.* Journal of Industrial and Engineering Chemistry, 2017. **45**: p. 412-420.
10. Amin, M.M., et al., *Association of urinary phthalate metabolites concentrations with body mass index and waist circumference.* Environmental Science and Pollution Research, 2018. **25**: p. 11143-11151.
11. Amin, M.M., et al., *Association of benzene exposure with insulin resistance, SOD, and MDA as markers of oxidative stress in children and adolescents.* Environmental Science and Pollution Research, 2018. **25**: p. 34046-34052.
12. Amin, M.M., et al., *Estimating the risk of phthalates exposure via tea consumption in general population.* International Journal of Food Studies, 2018. **7**(1).
13. Amin, M.M., et al., *Paraben content in adjacent normal-malignant breast tissues from women with breast cancer.* Biomedical and Environmental Sciences, 2019. **32**(12): p. 893-904.
14. Attarian, E., et al., *Effect of Maternal Triclosan Exposure on Neonatal Thyroid-Stimulating Hormone Levels: A Cross-Sectional Study.* Journal of Environmental and Public Health, 2022. **2022**.
15. Behzad, S., et al., *Primula auriculata extracts exert cytotoxic and apoptotic effects against HT-29 human colon adenocarcinoma cells.* Iranian journal of pharmaceutical research: IJPR, 2016. **15**(1): p. 311.
16. Darabi, H., A. Baradaran, and K. Ebrahimpour, *Subacute toxic effects of polyvinyl chloride microplastics (PVC-MPs) in juvenile common carp, Cyprinus carpio (Pisces: Cyprinidae).* Caspian Journal of Environmental Sciences, 2022. **20**(2): p. 233-242.
17. Darvishmotevalli, M., et al., *Monitoring of urinary phthalate metabolites among pregnant women in Isfahan, Iran: the PERSIAN birth cohort.* Journal of Environmental Health Science and Engineering, 2019. **17**: p. 969-978.

18. Darvishmotevalli, M., et al., *Association between prenatal phthalate exposure and anthropometric measures of newborns in a sample of Iranian population.* Environmental Science and Pollution Research, 2021. **28**: p. 50696-50706.
19. Dehghanpour, S., et al., *Platinum-based Cytotoxic Drugs in Hospital Effluent, Iasfahan, Iran.* Journal of Mazandaran University of Medical Sciences, 2020. **29**(181): p. 107-112.
20. Dehghanpour, S., et al., *Evaluation of toxic effects of platinum-based antineoplastic drugs (cisplatin, carboplatin and oxaliplatin) on green alga Chlorella vulgaris.* Aquatic Toxicology, 2020. **223**: p. 105495.
21. Dinani, F.S.H., A. Baradaran, and K. Ebrahimpour, *Acute toxic effects of polyurethane microplastics on adult Zebra fish (Danio rerio).* International Journal of Environmental Health Engineering, 2021. **10**(1): p. 9.
22. Ebrahim, K. and A. Ashtarinezhad, *The association of amniotic fluid cadmium levels with the risk of preeclampsia, prematurity and low birth weight.* Iranian Journal of Neonatology, 2015. **6**(2): p. 1-6.
23. Ebrahim, K. and M. Nakhjavani, *Survey of Availability, Use and Knowledge about Toxicity of Diphenhydramine for Children among Iranian Mothers.* Iranian Journal of Pharmaceutical Sciences, 2013. **9**(3): p. 11-16.
24. Ebrahim, K., P. Poursafa, and M.M. Amin, *Development of a simple and valid method for the trace determination of phthalate esters in human plasma using dispersive liquid–liquid microextraction coupled with gas chromatography–mass spectrometry.* Journal of separation science, 2017. **40**(22): p. 4403-4410.
25. Ebrahim, K., et al., *Cobra venom cytotoxins; apoptotic or necrotic agents?* Toxicon, 2015. **108**: p. 134-140.
26. Ebrahim, K., et al., *Anticancer activity of cobra venom polypeptide, cytotoxin-II, against human breast adenocarcinoma cell line (MCF-7) via the induction of apoptosis.* Journal of breast cancer, 2014. **17**(4): p. 314-322.
27. Ebrahim, K., et al., *Anticancer activity a of caspian cobra (Naja naja oxiana) snake venom in human cancer cell lines via induction of apoptosis.* Iranian journal of pharmaceutical research: IJPR, 2016. **15**(Suppl): p. 101.
28. Ebrahimi, A., et al., *A novel ternary heterogeneous TiO2/BiVO4/NaY-Zeolite nanocomposite for photocatalytic degradation of microcystin-leucine arginine (MC-LR) under visible light.* Ecotoxicology and environmental safety, 2021. **210**: p. 111862.
29. Ebrahimi, A., et al., *The performance of TiO2/NaY-zeolite nanocomposite in photocatalytic degradation of Microcystin-LR from aqueous solutions: Optimization by response surface methodology (RSM).* مجله مدیریت و مهندسی بهداشت محیط, 7 .2020(4): p. 245-256.
30. Ebrahimpour, K., *Comment on Salt-assisted dispersive liquid-liquid microextraction coupled with programmed temperature vaporization gas chromatography-massspectrometry for the determination of haloacetonitriles in drinking water.* Journal of chromatography. A, 2018. **1551**: p. 75-75.
31. Ebrahimpour, K., A. Baradaran, and H. Darabi, *Subacute toxic effects of polyvinyl chloride microplastics (PVC-MPs) in juvenile common carp (Cyprinus carpio).* 2021.
32. Ebrahimpour, K., F. Forouharmajd, and A. Salehi, *Effects of occupational exposure to radioactive beams on oxidative DNA damage in Radiography staff in Isfahan's public hospitals.*
33. Eskandarinia, A., et al., *A novel bilayer wound dressing composed of a dense polyurethane/propolis membrane and a biodegradable polycaprolactone/gelatin nanofibrous scaffold.* Scientific reports, 2020. **10**(1): p. 3063.
34. Eskandarinia, A., et al., *Cornstarch-based wound dressing incorporated with hyaluronic acid and propolis: In vitro and in vivo studies.* Carbohydrate polymers, 2019. **216**: p. 25-35.
35. Fadaei, S., et al., *Association of maternal urinary concentration of parabens and neonatal anthropometric indices.* Journal of Environmental Health Science and Engineering, 2020. **18**: p. 617-628.

36. Fadaei, S., et al., *Investigating determinants of parabens concentration in maternal urine.* Human and Ecological Risk Assessment: An International Journal, 2021. **27**(3): p. 668-686.
37. FOROUHARMAJD, F. and K. Ebrahimpour, *Evaluation of the Factors Related to Exposure Dose of Different Radiographer Groups Working in Isfahan State Hospitals in 2017.* 2019.
38. Forouharmajd, F., A. Salehi, and K. Ebrahimpour, *Effects of occupational exposure to radioactive beams on oxidative DNA damage in Radiography staff in Isfahan's public hospitals.* 2020.
39. Forouharmajd, F., A. Salehi, and K. Ebrahimpour, *Effect of exposure to ionizing radiation on biomarker of oxidative damage of DNA.* Journal of Health and Safety at Work, 2021. **11**(2): p. 252-264.
40. Ghassami, N., et al., *Evaluation of Acetaldehyde in Water Stored in Polyethylene Terephthalate (PET) Bottles Distributed in Retail Stage in Isfahan, Iran.* J Health Syst Res, 2020. **16**(2): p. 123-8.
41. Golestanzadeh, M., et al., *Association between parabens concentrations in human amniotic fluid and the offspring birth size: A Sub-study of the PERSIAN birth cohort.* Environmental Research, 2022. **212**: p. 113502.
42. Golestanzadeh, M., et al., *Association between phthalate metabolites in human amniotic fluid and offspring birth size: a sub-study of the PERSIAN birth cohort.* Environmental Science and Pollution Research, 2022. **29**(51): p. 76970-76982.
43. Hajizadeh, Y., et al., *Biodeterioration of 1, 1-dimethylhydrazine from air stream using a biofilter packed with compost-scoria-sugarcane bagasse.* Atmospheric Pollution Research, 2018. **9**(1): p. 37-46.
44. Hajizadeh, Y., et al., *Urinary paraben concentrations and their implications for human exposure in Iranian pregnant women.* Environmental Science and Pollution Research, 2020. **27**: p. 14723-14734.
45. Hajizadeh, Y., et al., *Evaluation of exposure to parabens in Iranian women and its association with personal care products using behavior.* Human and Ecological Risk Assessment: An International Journal, 2020. **27**(5): p. 1188-1205.
46. Hajizadeh, Y., et al., *The association of personal care products uses and dietary habits with the urinary concentration of parabens in Iranian adults.* International Journal of Environmental Health Research, 2022. **32**(4): p. 791-807.
47. Hajizadeh, Y., et al., *Monitoring of paraben compounds in indoor and outdoor air of a populated city.* Atmospheric Pollution Research, 2021. **12**(4): p. 43-49.
48. Hashemi, M., et al., *Relationship of urinary phthalate metabolites with cardiometabolic risk factors and oxidative stress markers in children and adolescents.* Journal of Environmental and Public Health, 2021. **2021**.
49. Hashemipour, M., et al., *Is there any association between phthalate exposure and precocious puberty in girls?* Environmental Science and Pollution Research, 2018. **25**: p. 13589-13596.
50. Jafari, N., et al., *Optimization and Modeling of Microcystin-LR Degradation by TiO2 Photocatalyst Using Response Surface Methodology.* Journal of Environmental Health and Sustainable Development, 2020.
51. Jafari, N., et al., *Efficient degradation of microcystin-LR by BiVO 4/TiO 2 photocatalytic nanocomposite under visible light.* Journal of Environmental Health Science and Engineering, 2019. **17**: p. 1171-1183.
52. Jalai, A., Z. Ramezani, and K. Ebrahim, *Urinary trans, trans-muconic acid is not a reliable biomarker for low-level environmental and occupational benzene exposures.* Safety and health at work, 2017. **8**(2): p. 220-225.
53. Kelishadi, R., et al., *Is there any association between urinary metabolites of polycyclic aromatic hydrocarbons and thyroid hormone levels in children and adolescents?* Environmental Science and Pollution Research, 2018. **25**: p. 1962-1968.

54. Khoshhali, M., et al., *The association between maternal exposure to organophosphate pesticides and neonatal anthropometric measures: A systematic review and meta-analysis.* Journal of Research in Medical Sciences: The Official Journal of Isfahan University of Medical Sciences, 2020. **25**.
55. Khoshhali, M., et al., *Systematic review and meta-analysis on the association between seasonal variation and gestational diabetes mellitus.* Environmental Science and Pollution Research, 2021: p. 1-10.
56. Kiani Feizabadi, G., et al., *Urinary concentrations of parabens in a population of Iranian adolescent and their association with sociodemographic indicators.* Archives of environmental contamination and toxicology, 2020. **79**: p. 195-207.
57. Kiani Feizabadi, G., et al., *Urinary concentrations of parabens amongst Iranian adults and their associations with socio-demographic factors.* Journal of Environmental Health Science and Engineering, 2020. **18**: p. 1227-1238.
58. Mansouri, N., et al., *Genotoxicity and phytotoxicity comparison of cigarette butt with cigarette ash.* Environmental Science and Pollution Research, 2020. **27**: p. 40383-40391.
59. Mansouri, N., et al., *Arsenic content of cigarette butt leachate of five cigarette brands into water.* International Journal of Environmental Health Engineering, 2020. **9**(1): p. 13.
60. Mansouri, V., et al., *Exposure to phthalates and bisphenol A is associated with higher risk of cardiometabolic impairment in normal weight children.* Environmental Science and Pollution Research, 2019. **26**: p. 18604-18614.
61. Moazeni, M., et al., *Cobalt ferrite/MIL-101 (Fe)/graphene oxide heterostructures coupled with peroxymonosulfate for triclosan degradation.* Journal of Water Process Engineering, 2022. **50**: p. 103214.
62. Mohebbi, G., et al., *Evaluation of molecular weight homology amongst jellyfish proteins attained from electrophoretical method in different jellyfish crude venoms, a systematic review.*
63. Moradian, F., et al., *Release of phthalate esters in pasteurized milk samples with plastic packaging.* International Journal of Environmental Health Engineering, 2020. **9**(1): p. 23.
64. Najafi, M., et al., *Determination of Benzene, Toluene, Ethylbenzene, and Xylene Composition (BTEX) in Indoor and Outdoor Environment in High Schools of Isfahan and Chadegan Cities, Iran, in Year 2016.* Journal of Health System Research, 2018. **14**(2): p. 244-251.
65. Nasab, H., et al., *Association of urinary triclosan and methyl-triclosan levels with predictive indicators of cardiovascular disease and obesity in children and adolescents in 2020 (case study: Kerman, Iran).* 3)8 .2021 ,مجله مدیریت و مهندسی بهداشت محیط(: p. 187-195.
66. Ordudari, Z., M. Rismanchian, and K. Ebrahimpour, *Is There a Simpler, Rapider, and More Economical Method for Extracting trans, trans-Muconic Acid (T, T-MA) as Benzene Metabolite?* Journal of Health System Research, 2018. **14**(3): p. 279-284.
67. Parastar, S., et al., *Association of urinary concentrations of four chlorophenol pesticides with cardiometabolic risk factors and obesity in children and adolescents.* Environmental Science and Pollution Research, 2018. **25**: p. 4516-4523.
68. Parseh, I., et al., *Phytoremediation of benzene vapors from indoor air by Schefflera arboricola and Spathiphyllum wallisii plants.* Atmospheric Pollution Research, 2018. **9**(6): p. 1083-1087.
69. PASHAPUR, S., et al., *Comparison of the level of cadmium and lead between the cigarette filters of different Iranian and non-Iranian Brands.* 2015.
70. Poursafa, P., et al., *Association of atmospheric concentrations of polycyclic aromatic hydrocarbons with their urinary metabolites in children and adolescents.* Environmental Science and Pollution Research, 2017. **24**: p. 17136-17144.
71. Poursafa, P., et al., *Association of polycyclic aromatic hydrocarbons with cardiometabolic risk factors and obesity in children.* Environment international, 2018. **118**: p. 203-210.

72. Pourzamani, H., et al., *Freeze–melting process significantly decreases phthalate ester plasticizer levels in drinking water stored in polyethylene terephthalate (PET) bottles.* Water Science and Technology: Water Supply, 2017. **17**(3): p. 745-751.
73. Rafiei, N., K. Ebrahimpour, and R. Kelishadi, *Research Article Relationship of Urinary Phthalate Metabolites with Cardiometabolic Risk Factors and Oxidative Stress Markers in Children and Adolescents.* 2021.
74. Rami, Y., et al., *The association between heavy metals exposure and sex hormones: A systematic review on current evidence.* Biological Trace Element Research, 2022: p. 1-20.
75. Rastegari, F., M.M. Amin, and K. Ebrahim, *Risk of Phthalate Exposure among Hospitalized Patient via Intravenous Fluids Receiving.* Iranian Journal of Toxicology, 2017. **11**(3): p. 33-38.
76. Rismanchian, M., K. Ebrahim, and Z. Ordudari, *Development of a simple and rapid method for determination of trans, trans-Muconic Acid in human urine using PDLLME preconcentration and HPLC–UV detection.* Chemical Papers, 2019. **73**: p. 2485-2492.
77. Rismanchian, M., K. Ebrahim, and Z. Ordudari, *Review in the analysis of hazardous material in work place by trends in the Dispersive liquid–liquid microextraction method.* Journal of Sabzevar University of Medical Sciences, 2019. **25**(6): p. 749-762.
78. Salami, F., et al., *Urinary levels of PAH metabolites in pregnant women and their correlation with sociodemographic factors and PM 2.5 exposure in an urban and a suburban area.* Air Quality, Atmosphere & Health, 2021. **14**: p. 653-665.
79. Salehi, A., et al., *The relationship between collective effective doses of radiation and urinary concentration of 8-Dihydroxy-2'-Deoxyguanosine among radiography staff.* International Journal of Radiation Research, 2020. **18**(3): p. 587-592.
80. Salehi, A., et al., *Assessment of oxidative DNA damages in radiography staff via evaluation of its urinary biomarker (8-hydroxy2-deoxyguanosine).* International Journal of Preventive Medicine, 2020. **11**.
81. Samandari, M., et al., *Monitoring of Amoxicillin and Cephalexin Antibiotics in Municipal WWTPs During Covid-19 Outbreak: A Case Study in Isfahan, Iran.* Air, Soil and Water Research, 2022. **15**: p. 11786221221103879.
82. Samandari, M., et al., *Measurement of ampicillin and penicillin G antibiotics in wastewater treatment plants during the COVID-19 pandemic: A case study in Isfahan.* Environmental Health Engineering And Management Journal, 2022. **9**(3): p. 201-211.
83. Sharafi, S.M., K. Ebrahimpour, and A. Nafez, *Environmental disinfection against COVID-19 in different areas of health care facilities: a review.* Reviews on environmental health, 2021. **36**(2): p. 193-198.
84. Taheri, S., et al., *Investigating the pollution of bottled water by the microplastics (MPs): the effects of mechanical stress, sunlight exposure, and freezing on MPs release.* Environmental Monitoring and Assessment, 2023. **195**(1): p. 62.
85. Yavari, Z., et al., *Evaluation of Biodegradation of Estrogens using Moving Bed Bio-Reactor (MBBR).* 2016.