

Professional experiences:

Occupational health teacher at the Isfahan university of medical sciences

National and International Conference:

- XIX World Congress on Safety and Health at Work ,Istanbul,2011

Education background

Certificate Degree	Field of Specialization	Name of Institution Attended	Date Received
PhD	Occupational Toxicology	Hamadan University of Medical Sciences	2014
M.Sc.	Occupational Health	Isfahan University of Medical Sciences	2008

PhD thesis:

Application needle trap device technique synthesized sorbent based carbon nanotubes with orthosilicate and benzene sulfonate and compersion with PDMS in determination volatile biomarkers in urine samples

Lectures and Seminars:

- 1- Occupational toxicology
- 2- Human biological monitoring
- 3- Modeling in toxicology
- 4- Chemicak Risk assessment
- 5- Instrumental Analysis

Publications:

- *Investigating the relationship between concentrations of inhalable benzene, toluene, ethylbenzene and xylene with their metabolites levels in a petrochemical complex worker.* D Shahmohannadi, **S Karimi Zeverdegani**, *Journal of Occupational Hygiene Engineering* 5 (2).2018
- *Feasibility evaluation of trace amount of zinc in urine samples using atomic absorption solidified floating organic drop micro-extraction technique.* M Shabab, M Rismanchian, **S Karimi Zeverdegani**, *HA Rangkooy, JOHE* 7 (1).2018
- *Investigating the Effect of Organophosphate Pesticides on the Farmers' Plasma Cholinesterase Activity.* M Mirrezaei, **S Karimi-Zeverdegani**, M Rismanchian, A Hassanzadeh, *Journal of Health System Research* 14 (1).2018
- *The effect of personal protective equipment on plasma cholinesterase activity of spraying farmers in cucumber fields.* M Mirrezaei, **S Karimi Zeverdegani**, M Rismanchian, A Hasanzadeh, *Iran Occupational Health* 14 (6).2018
- *Risk Assessment of Welders Exposure to the Released Contaminated Gases in Different Types of Welding Processes in a Steel Industry.* Y Mehrifar, **SK Zeverdegani**, M Faraji, M Rismanchian, *Health Scope*.2018
- *Application of Ultrasound-assisted Emulsification Solidification of Floating Organic Drop Microextraction for Preconcentration and Trace Detection of Iron (III) in Water and Human Urine Samples.* **S KARIMI ZEVEDEGANI**, M SHABAB, Masoud RISMANCHIAN, HOSSEIN ALI RANGKOOY. *International Journal of Occupational Hygiene* 9 (4).2017
- *Biological Monitoring of Iron (III) and Zinc in Urine Samples Using Ultrasonic Solidified Floating Organic Drop Microextraction Technique.* M Masoud Reismanchian, M Shabab, **S Karimi-Zeverdegani**, HA Rangkooy. *Journal of Health System Research* 13 (3).2017
- *Occupational exposure to welding gases during three welding processes and risk assessment by SORCA method.* **S Karimi Zeverdegani**, Y Mehrifar, M Faraji, M Rismanchian. *JOHE* 6 (3).2017
- *Validation CHEM-SAM Model using SORA Method in Exposure to Toxic Substances in a Chemistry Research Lab.* **Sara Karimi Zeverdegani**, Samira Barakat, Maryam Yazdi. *Journal of Military Medicine* 19 (3).2017
- *Analysis of xylene in aqueous media using needle carbon nanotube sorbent.* **SK Zeverdegani**, A Bahrami, M Rismanchian, FG Shahna. *Journal of separation science* 37 (14), 1850-1855.2014
- *Determination of toluene by needle trap micro-extraction with carbon nanotube sol-gel and polydimethylsiloxane sorbents.* **SK Zeverdegani**, A Bahrami, FG Shahna, M Rismanchian, M Heidari. *Analytical Letters* 47 (13), 2165-2172.2014

Books:

- **Sara karimi**, monireh khadem, samira barakat. Occupational toxicology with biological monitoring approach ,2017
- P.nasiri, M.khadem, **S.karimi**, M.asghari ,Radiofrequency waves, Publishers Fanavaran 2014
- Producer: **sara karimi**, Occupational Health guideline at stonecutting and stonemasonry, tiles and tile retail, Cement and metal building materials dealers, Environmental and workplace health center, 2014
- E.Habibi-H.Dehghan-M.Rismanchian-F.Forouharmajid-**S.Karimi**-S.Pourabdian-Sh.Taheri-J.Gholamian-M.Zeinodini. Textbook of occupational health and safety.2017
- **S.Karimi**-M.Khadem-M.Jafari. Occupational hazards of ultraviolet radiation..2010
- Dr.I.Mohammadfam-Tahereh Gholami-Neda Mahdavi-**Sara Karimi**.Effective HSE training: techniques, games and execercises.2013

Research Interest:

Instrumental Analysis
Occupational toxicology
Human biological monitoring
Modeling in toxicology

Skills:

- Fluent in working with Gas chromatograph (Varian 3800)
- Dominant in pollutant extraction techniques with Needle Trap.
- Fluent with methods of biological monitoring of pollutants in occupational toxicology.
- Fluent with different extraction methods in occupational toxicology
- Fluent in risk assessment models in occupational toxicology.
- Fluent in models evaluate the exposure to pesticides in agriculture.
- Fluent in Microsoft Office ,Microsoft PowerPoint, Microsoft Excel, SPSS

Field experience:

Assessment of occupational hazards in Nahrain shoe factory

Contact me

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