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### ***Education***

1. **B.Sc.**

Chemistry, 1987, University of Shahid Bahonar, Kerman , Iran

2. **M.Sc.**

Occupational Health, 1991, Tehran University of Medical Sciences

Tehran, Iran

3. **Ph.D.**

Occupational Health, 2007, University of Newcastle upon Tyne, UK

### ***Positions Held***

1- Assistant Professor in Occupational Health since 2007

2- Head of Occupational Health Department, School of Public Health, Kerman University of Medical Sciences, 2010

3- Head of Occupational Health Department, School of Public Health, Kerman University of Medical Sciences, 1998-2000

## ***Publications:***

- 1- Yaghmaie B. **Faghihi-Zarandi A.** Bazrafshani M. and Arjomand Tajaddini A., Study of lead concentration in the air of gasoline stations of Kerman City. Journal of Kerman University of Medical Sciences. 1995, 2: 66-70.
- 2- Vatani J. **Faghihi-Zarandi A.** Bahrami A. Akhgar M. Distribution of the volatile organic pollutants in the air of the Sarcheshmeh Copper Complex unit, European Journal of Scientific Research, 2010; Vol.39, No.3, pp.422-429.
- 3- Akhgar M.R., Moradalizadeh M., **Faghihi-Zarandi A.** and Khorasanipour M., Chemical Composition of the Essential Oil of the Aerial Parts of *Salvia bazmanica* Rech.f.& Esfand., Iranian Journal of Medicinal and Aromatic Plants, 2010; Vol.26, No.4, pp.555-560.
- 4- **Faghihi-Zarandi A.**, and Akhgar M.R. , Volatile organic pollutants in the air of the Sarcheshmeh Copper Complex unit, Journal of Environmental Sciences and Technology, in press.
- 5- Akhgar M.R., Moradalizadeh M., and **Faghihi-Zarandi A.**, Chemical composition of the essential oils of two ferula species from Iran, Chemistry of Natural Compounds, 2011; vol.47, No.4,pp.639-640.
- 6- Vatani Javad, **Faghihi-Zarandi Ali**, Bahrami Abdul Rahman, Raei Dehaghi Mehdi, Hakimi Hossenali, Esmaeilzadeh Esmat ans Khosravi Ahmad, Survey emitted benzene, toluene, and 2- propanol in ambient air of the cooper industry in Iran, Research Journal of Environmental Sciences, 2011.
- 7- Akhgar M.R., Moradalizadeh M., **Faghihi-Zarandi A.**, and Rajaei P., Chemical Composition of the Essential Oils of *Ferula oopoda* (Boiss. & Buhse) Boiss. and *Ferula badghysi* (Korovin.) from Iran, J. Essential Oil Bearing Plants, in press.
- 8- Moradalizadeh M., Akhgar M.R., and **Faghihi-Zarandi A.**, Comparison of Microwave-Assisted Hydrodistillation and Conventional Hydrodistillation in the Extraction of Essential Oils from *Apium graveolens* L, J. Essential Oil Bearing Plants, in press.
- 9- Akhgar M. R., Shariatifar M., Akhgar A. R., Moradalizadeh M., and **Faghihi-Zarandi A.** Chemical Composition and Antibacterial Activity of the Leaf Essential oil from *Hertia intermedia*, Chemistry of Natural Compounds, in press.
- 10- Moradalizadeh M., Akhgar M. R., Rajaei P. and **Faghihi-Zarandi A.**, Chemical Composition of the Essential oils from of *Levisticum officinale* Growing Wild in Iran, Chemistry of Natural Compounds, 2012; vol.47, No. 6, pp.1007-1009.

- 11- **Faghihi-Zarandi A.**, Akhgar M. R., Aghasi M., Eubacterial diversity inside an activated sludge wastewater treatment system designed to investigate degradation of paracetamol, *Journal of Pure and Applied Microbiology*, 2012; Vol.6, No.2. pp.161-169
- 12- M.R. Akhgar, S. Pahlavanzadeh-Iran, P. Lotfi-Anari and **A. Faghihi-Zarandi**, Composition of Essential Oils of Fruits and Leaves of *Prangos ferulacea* (L.) Lindl. Growing Wild in Iran, *Trends in Modern Chemistry*, 2011; Vol.1, No.1, pp.1-4.
- 13- Farideh Golbabaei<sup>1</sup>, **Ali Faghihi-Zarandi**, Ahmadreza Shokri, Mohammadreza Baneshi, Pedram Ebrahimnejad , Asghar Sedigh Zadeh, Evaluation of submicron particle filtration efficiency of domestic and imported surgical masks, *Journal of School of Public Health & Institute of Public Health Research*, Vol.10, No.2, Year.2012, Page: 47-58
- 14- Golbabaei F., **Faghihi-Zarandi A.**, Ebrahimnejad P., Baneshi M.R., Risk Assessment of occupational exposure to the respirable fraction of cement dust and crystalline silica, *Iran Occupational Health and Safety Journal*, Vol.2, No.3, Year.2012, Page:17-28
- 15- Farideh Golbabai, Ali Ebrahimi, Hamid Shirkhanloo, Mohammad Reza Baneshi, **Ali Faghihi-Zarandi**, Mohamad javad Kian. Performance comparison survey of multi-walled and single-walled carbon nanotubes for adsorption and desorption of Mercury Vapors in the air, *Iran occupational Health Journal*, Vol.10, No.5, Year. 2013, Page: 25-32
- 16- **Ali Faghihi-Zarandi**, Ahmad Reza Zamani, Mohammad Reza Baneshi, Gholam Reza Asadikaram, Eghbal Sekhavati, Farideh Golbabaei. Occupational exposure of workers to manganese and its effects on blood iron indices values in a ferroalloy industry, *Indian Journal of Fundamental and Applied Life Sciences*, Vol.4, No.3, Year.2014, Page: 188-195
- 17- Eghbal Sekhavati, Maria Mohammadizadeh, Iraj Mohammad Fam and **Ali Faghihi-Zarandi**, Noise pollution reduction and control using By William Fine method and Analytical Hierarchy Process (AHP) in Larestan cement factory, *International Journal of Current Life Sciences*, Vol. 4, Issue, 9, pp.5523-5529, September, 2014

### ***Conferences Publications:***

- 1- **Faghihi-Zarandi, A.** , Sallis, P. Biodegradation and effects of paracetamol in a completely mixed suspended growth bioreactor, 2<sup>nd</sup> international Conference on Health, Safety and Environment (HSE), 1-2 Nov. 2009, Tehran, Iran.
- 2- Vatani J. **Faghihi-Zarandi A.** Bahrami A. Akhgar M. Identification and measurement of the volatile organic pollutants in the air of the Sarcheshmeh Copper Complex unit, 2<sup>nd</sup> international Conference on Health, Safety and Environment (HSE), 1-2 Nov. 2009, Tehran, Iran.
- 3- Akhgar M.R. **Faghihi-Zarandi A.** Moradalizadeh M. Ghazanfari D. Faraji N. Identification of pharmaceutical compounds of the essential oils of aerial parts of *Nepeta Wettsteinii* H.Braun to decrease environmental pollutants by using of medicinal plants, Regional congress of environment and sustainable development, Islamic Azad University, Kerman branch, Kerman, Iran, Nov 2009.
- 4- Akhgar M.R. Moradalizadeh M. **Faghihi-Zarandi A.** Mohammadi N. Reducing environmental pollutants by identification of pharmaceutical compounds of the essential oils of *Ferula diversivittata* Regel & Schmalh, Regional congress of environment and sustainable development, Islamic Azad University, Kerman branch, Kerman, Iran, Nov. 2009.
- 5- **Faghihi-Zarandi A.** Loloyi M. Janizadeh S. Dindarlueian K. Quality control of drinking water in rural area of Fassa city, 2008, Regional congress of environment and sustainable development, Islamic Azad University, Kerman branch, Kerman, Iran, Nov 2009.
- 6- Akhgar M.R. Moradalizadeh M. **Faghihi-Zarandi A.** Ghazanfari D. Rayisi S. Reducing environmental pollutants arising from consuming of chemical drugs by identification of pharmaceutical compounds of the essential oils of aerial parts of *Nepeta Straussii* Hausskn & Bornm by GC/MS, Regional congress of environment and sustainable development, Islamic Azad University, Kerman branch, Kerman, Iran, Nov 2009.
- 7- Akhgar M.R. Moradalizadeh M. **Faghihi-Zarandi A.** Khalili S. Identification of pharmaceutical compounds of the essential oils of aerial parts of *Ferula Kashanica* Rech.F. to decrease environmental pollutants arising from consuming of chemical drugs, Regional congress of environment and sustainable development, Islamic Azad University, Kerman branch, Kerman, Iran, Nov 2009.
- 8- **Faghihi-Zarandi A.** Akhgar M.R. Bahrami A. Vatani J. Asadi M. Identification and measurement of volatile organic compounds (VOCs) by GC/MS, Regional congress of

environment and sustainable development, Islamic Azad University, Kerman branch, Kerman, Iran, Nov 2009.

9- Akhgar M.R. Moradalizadeh M. **Faghihi-Zarandi A.** Khorasanipour M. Identification of pharmaceutical compounds of the essential oils of aerial parts of *Slavia Bazmanica* Rech.F.& Esfand to decrease environmental pollutants, Regional congress of environment and sustainable development, Islamic Azad University, Kerman branch, Kerman, Iran, Nov 2009.

10- Bagheri-Hosseiniabadi M. **Faghihi-Zarandi A.** Application of Green Methods in Extraction of Semi Volatile Organic Samples, 1<sup>st</sup>

### طرح های تحقیقاتی

عنوان طرح	محل اجرا	مدت اجرا	وضعیت طرح	نوع همکاری
بررسی تاثیر سموم ارگانو فسفره بر فعالیت آنزیم کولین استراز از بیروسیست در کارگران شاغل در گلخانه های صنعتی شهرستان جیرفت در سال 1389 National Green Chemistry Congress Islamic Azad University, Kerman branch, Kerman, Iran, 14-15 December 2011	گلخانه های صنعتی جیرفت	14 ماه	خاتمه یافته	مجری
ارزیابی خصوصیات فیزیکی مدیای ماسک های جراحی و تاثیر آن بر کارایی پالایش ذرات زیر میکرونی ماسکهای جراحی داخلی و وارداتی		6 ماه	خاتمه یافته	مجری
ارزیابی ریسک مواجهه شغلی با سیلیس کریستالی در کارخانه سیمان زرند ساوه			خاتمه یافته	مجری
بررسی سطوح سرمی ایمونوگلوبولین های خون در جوشکاران فولاد ضد زنگ در شهر اصفهان در سال 1390		5 ماه	خاتمه یافته	مجری
ارزشیابی مواجهه شغلی کارگران کارخانه فروآلیاژ با منگنز و اثرات آن بر میزان آهن بدن		8 ماه	خاتمه یافته	مجری
بررسی کارایی کرین نانوتیوب یک و چند دیواره در نمونه برداری بنزن در هوا		6 ماه	در حال انجام	مجری
بررسی شیوع عوارض ناشی از مواجهه با سموم کشاورزی در کشاورزان و کارگران سم پاش باغات پسته کرمان و زرند و رفسنجان سال 1390		11 ماه	در حال انجام	مجری