



Kurdistan University of Medical Sciences
Faculty of Health
Department of Occupational Health Engineering

Personal Information

Name: **Kamaladdin**

Surname: **Abedi**

Sex: **Male, Married**

Birth date: **10.07.1981**

Birthplace: **Bookan-Iran**

Job Position: **Assistant Professor,**
Faculty Member, Department of Occupational Health Engineering,
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Scientific References

- h. Index:** 5 (<https://www.scopus.com/authid/detail.uri?authorId=56448507300>)
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- Google Scholar** (<https://scholar.google.com/citations?user=yGoXW34AAAAJ&hl=en>)

Educational Qualification

- | | | |
|------|-------|------------------------------------------------------------------------------------|
| 2014 | Ph.D. | <u>Hamadan University of Medical Sciences</u> , Hamadan, Iran |
| 2007 | M.Sc. | <u>Isfahan University of Medical Sciences</u> , Isfahan, Iran 2007 |
| 2004 | B.Sc. | <u>Tehran University of Medical Sciences</u> , Tehran, Iran 2004 |

Workshops Attended

1. Lesson Design and Teaching Methods,
2. Student Evaluation and multi-choice Question Design,
3. Academic writing,
4. EndNote,
5. SPSS software,
6. Ethics in writing,
7. Statistical sampling techniques,
8. Accessing to search engines,
9. Safety in construction,
10. Professional student evaluation,
11. HSE-MS,
12. Translational medicine,
13. Sampling in research,
14. Development and innovation in education,
15. Individual property rights

Workshops Conducted

1. Safety and emergency responses in chemical accidents
2. The assessment of chemical agents
3. Risk assessment and management

Published Papers

1. Majidi F, Abedi K, Pirsaraei SR. [Occupational exposure to infrared radiation in aluminum and cast-iron foundries in Zanjan, Iran](#). International Journal of Occupational Hygiene. 2011;3(1):33-7.
2. Abedi K, Ghorbani-Shahna F, Jaleh B, Bahrami A, Yarahmadi R. [Enhanced performance of non-thermal plasma coupled with TiO₂/GAC for decomposition of chlorinated organic compounds: influence of a hydrogen-rich substance](#). Journal of Environmental Health Science and Engineering. 2014 Sep 16;12(1):1.
3. Abedi K, Ghorbani-Shahna F, Jaleh B, Bahrami A, Yarahmadi R, Haddadi R, Gandomi M. [Decomposition of chlorinated volatile organic compounds \(CVOCs\) using NTP coupled with TiO₂/GAC, ZnO/GAC, and TiO₂-ZnO/GAC in a plasma-assisted catalysis system](#). Journal of Electrostatics. 2015 Feb 28;73:80-8.
4. Abedi K, Ghorbani-Shahna F, Bahrami A, Jaleh B, Yarahmadi R. [Effect of TiO₂-ZnO/GAC on by-product distribution of CVOCs decomposition in a NTP-assisted catalysis system](#). Polish Journal of Chemical Technology. 2015 Mar 1;17(1):32-40.
5. Zare MO, Abedi K, Halvani GH, Barkhordari A, Aminipour MR. [Prevalence of job stress among staff of the ports and Sailing Corporation of Hormozgan and its relation to non fatal accidents](#). SSU_Journals. 2009 Jul 15;17(3):142-8.
6. M Zare, K Abedi, M Rahiminezhad, GH Halvani, A Barkhourdari, E Valipour, [Influence of aircraft noise on hypertension in airport staff](#); J of Babol University of Medical Sciences, 2009; 10(6):54-61.
7. Abedi KU, Zare MB. Abolfazl and Helvani, Gholam Hussein, [Job stress and job dissatisfaction and its relationship with individual factors and events in one of the industries in Iran](#). Journal of Medical Sciences, Jahrom, 2010;7(2):20-10.
8. K Abedi, M Zare, M Rahiminezhad, E Valipour, A Barkhordary, GH Halvanee, [Hearing loss among airport employees, Isfahan-Iran](#); Journal of Gorgan University of Medical Sciences 2010, 11 (4), 57-63.

9. K Abedi, S Pourabdian, E Habibi, M Zare, [Effects of individual characteristics and adaptation to shiftwork on serum cortisol level among shift workers](#); Journal of shahid sodoughi university of medical sciences and health services; 2008, 16(1).
10. Golmohammadi R, Abedi K, Karimi S, Eshaghi M. [An investigation on commercial cell phones radiation and self report symptoms of users](#). Journal of Ergonomics. 2014 Jun 15;2(1):1-8.
11. Ghorbani shahna F, Abedi Kamal ad-Din, Bahrami Abdulrahman, Jaleh Babak, Ebrahimi Hossein, [The activation of deactivated TiO₂ and ZnO catalyts by exposure with clean air flow and UV radiation](#), Rahavard Salamat, 2015;1(1).
12. Abedi Kamal ad-Din, Ghorbani-Shahna Farshid, Bahrami Abdolrahman, Ebrahimi Hosein, [The hybrid effect of non-thermal plasma and ZnO nanoparticles on the removal of volatile organic compounds in air](#), Iran occupational health journal, 2017; 14 (4), 13-24.
13. Hossein ebrahimi, Iraj Alimohammadi, Abdulrahman Bahrami, Babak Jaleh, Kamaleddin Abedi, Farshid Ghorbani Shahna, [The purification of chloroform vapors using a novel non-thermal plasma reactor \(2015\)](#), Iran Occupational Health, 2017; 14 (4), 84-75.
14. Kamal ad-Din Abedi, et al., [Effect of TiO₂/GAC and water vapor on chloroform decomposition in a hybrid plasma-catalytic system](#), Environmental technology 2018; 39 (16), 2041-2050.
15. Farshid Ghorbani Shahna, Abdulrahman Bahrami, Kamal Ad-Din Abedi, Babak Jaleh, Hossein Ebrahimi, [Photocatalytic degradation of volatile chlorinated organic compounds with ozone addition](#), Archives of Environmental Protection, 2017; 43 (1), 65-72.
16. Majidi F, Abedi kamal ad-Din, [A simple method to improve DGR and VCP in an interior lighting installation](#), Light & Engineering, 2018; 26 (1).
17. K ABEDI, S POURABDIAN, EA HABIBI, M ZARE, [Effects of Individual Characterestics and Adaptation to Shift Work on Serum Cortisol Levels of Shift Workers](#), JOURNAL OF SHAHID SADOUGHI UNIVERSITY OF MEDICAL SCIENCES AND HEALTH SERVICES, 2007; 16(1): 48-56.
18. Farshid Ghorbani Shahna, Abdulrahman Bahrami, Iraj Alimohammadi, Rassuol Yarahmadi, Babak Jaleh, Mastaneh Gandomi, Hossein Ebrahimi, Kamal Ad-Din Abedi, [Chlorobenzene degeradation by non-thermal plasma combined with EG-TiO₂/ZnO as a photocatalyst: Effect of photocatalyst on CO₂ selectivity and byproducts reduction](#), Journal of Hazardous Materials, 2017; 324, 544-553.

Published (translated from English to Persian) Books

1. [Towards the 3rd generation Universities](#), Arena Publications, 2018
2. [Risk assessment \(Zero to hundred\)](#), Fannavarar Publications, 2018

Memberships

Lung and Allergy research center
Environmental health research center
Occupational Health Engineering Department

Teaching experience

Radiation health and safety (B.E. in Occupational health engineering)
Risk assessment and management (B.E. in Occupational health engineering)
Industrial ventilation design (B.E. in Occupational health engineering)
Safety at workplace (1, 2, 3) (B.E. in Occupational health engineering)
Industrial management (B.E. in Occupational health engineering)
Fluid mechanics (B.E. in Occupational health engineering)