

IN THE NAME OF GOD

NAME: Areaf

SURNAME: Salehzadeh

DATE AND PLACE OF BIRTH: 1959, Khalkhal-Iran

ADDRESS: No.87, Moheb alley (blind alley), Rahimi street, Saidieh Ave, Hamedan, Iran

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I-EDUCATION AND QUALIFICATION:

I-1- LONG-TERM TRAINING:

1- Ph.D in Medical Entomology (Cell Toxicology) from University of Glasgow, Glasgow Scotland, between 1998-2002

1-MSc in Medical Entomology from Tehran University of Medical sciences -Iran between 1986-1990

2-BSc in Plant Protection from University of Tehran-Iran between 1978-1986

I-2-SHORT-TERM TRAINING:

1-Active participant in SPSS short course in Hamadan University of Medical Sciences & Health Services in 1994

2-Active participant in Educational methodology workshop in Hamadan University of Medical Sciences & Health Services in 1994

3-Active participant in Research methodology workshop in Hamadan University of Medical Sciences & Health Services in 1995

4-Active participant in advanced Research methodology workshop in Hamadan University of Medical Sciences & Health Services in 1997

5- Active participant in English course at the university of Glasgow in 1998

6- Active participant in Radiation Protection basic course at the University of Glasgow in 1999

JOBS:

1-Academic member of Dept. of Medical Parasitology in Hamadan university of Medical Science – Iran, from 1990 to now

2-Research activities in Ministry of Agriculture between 1986-1990

3- Head of the Department of Medical Entomology, Hamadan University of Medical Sciences 2015-2017

TEACHING EXPERIENCES:

1-Medical Entomology for Environmental Health, Laboratory science, occupational Health and Medicine students.

2-General Biology for Midwifery and Nursing, students.

3- Fundamentals of Pesticide Science for Environmental health students

4- Integrated pest management in vector control for Environmental Health students.

5- Environmental toxicology for Environmental Health students.

6-Medical Entomology for Foreign Students (including student of medicine and pharmacology)

CONGRESS:

1- A, Seyedi Rashti, A, salehzadeh

New focus of zoonotic cutaneous leishmaniasis near Tehran, Iran
IIV international Congress of Parasitology, Paris, 1990

2-Salehzadeh, A ., Strang, R.H.C

The differential effect of neem terpenoids and some other phytochemicals on insect and mammalian cultured cells

6th International Symposium of Poisoning Plants, Glasgow, Scotland, 2001

3-Salehzadeh, A., Strang, R.H.C

The effect of neem terpenoids and some other phytochemicals on insect and mammalian cultured cells

Practice Oriented Results on Use and Production of Plant Extracts and Pheromones in integrated and Biological Pest Control

Cairo, Egypt, 200

4- Robin Strang and Areaf Salehzadeh. The implications for neem research of recent findings on the mode of action of Azadirachtin. World Neem Conference, Mumbai, India, 2002

5-Salehzadeh, A., Akhkha, A., Cushley, W., Adams, R.L.P., and Strang, R.H.C. The possible mode of action of Azadirachtin in insect cells

World Neem Conference, Mumbai, India, 2002

6-Salehzadeh, A., Zahirnia A. H. Evaluation of cytotoxicity of azadirachtin , a phytochemical from Neem tree. 2nd Iranian Congress of Medical Entomology and Vector Control, Tehran, Iran, 2006

7- Salehzadeh, A., Fatemian, Z., Telmadarraiy, Z., Ahmad Ali Hanafi-Bojd. Molecular Detection of Anaplasma and Ehrlichia in Ticks of Livestocks of Boyer-Ahmad and Dena cities of Kohgiluyeh and Boyer-Ahmad Province, Southeast of Iran. 2nd International Congress of Climate Change & vector borne Diseases and 4th National Congress of Medical Entomology. Shiraz University of Medical Sciences, Shiraz, IRAN; Nov. 13-15, 2019

PUBLICATION:

1-Salehzadeh A, Seyedi-rashti MA. Urban Cutaneous Leishmaniasis in North of Tehran. Scientific Journal of Hamadan University of Medical Sciences. 4(1): 34-37, 1997 (In Persian).

2-Salehzadeh A. The study of blattaria and their susceptibility to ficam and lindane in Hamadan. Scientific Journal of Hamadan University of Medical Sciences. 2(2): 32-36, 1995 (In Persian).

3 -Salehzadeh, A., Akhkha, A., Cushley, W., Adams, R. L. P., Kusel, J. R., Strang, R. J. C., (2003). The antimitotic effect of the neem terpenoid azadirachtin on cultured insect cells. Insect Biochemistry and Molecular Biology. 33, 681-689

- 4-** Salehzadeh, A., Jabbar, A., Jenns, L., Ley, S. V., Annadurai, R. S., Adams, R., Strang, R. J. C., (2002). The effect of phytochemical pesticides on the growth of cultured invertebrate and vertebrate cells. *Pest Management Science*. 58, 268-276
- 5-** Salehzadeh A., Abbasalipour R. The Comparison of Rotenone and an Environmentally Safe Insecticide (Azadirachtin) on Cultured Cell Respiration *J Res Health Sci*, Vol 3, No 2, pp.1-8, Autumn & Winter 2003
- 6-** Salehzadeh F, Madani R, Salehzadeh A, Rokni N and Golchinefar F. Oxytetracycline Residue in Chicken Tissues from Tehran Slaughterhouses in Iran. *Pakistan Journal of Nutrition* 5 (4): 377-381, 2006
- 7-** Salehzadeh A, Tavacol P, Mahjub H. Bacterial, Fungal and Parasitic contamination of cockroaches in public hospitals of Hamadan, Iran. *Journal of Vectorborne Diseases*. 2007; 44: 105-110.
- 8-** Salehzadeh F, Salehzadeh A, Rokni N, Madani R, Golchinfar F. Enrofloxacin Residue in Chicken Tissue from Tehran Slaughterhouses in Iran. *Pakistan Journal of Nutrition*. 2007; 6 (4): 409-4131.
- 9-** Davari B, Hassanvand AE, Nasirian H, Ghiasian SA, Salehzadeh A, Nazari M. Comparison of cockroach fungal contamination in the clinical and non-clinical environments from Iran. *Journal of Entomological and Acarological Research* 2017; volume 49: 5758.
- 10-** Davari B, Nazari Alam F, Nasirian H, Nazari M, Abdigoudarzi M, Salehzadeh A. Seasonal distribution and faunistic of ticks in the Alashtar county (Lorestan Province), Iran. *Pan African Medical Journal*. 2017: 27:284. doi:10.11604/pamj.2017.27.284.10341.
- 11-** Davari, B., Kashani, S., Nasirian, H., Nazari, M. and Salehzadeh, A. (2018) The efficacy of MaxForce and Avion gel baits containing fipronil, clothianidin and indoxacarb against the German cockroach (*Blattella germanica*). *Entomological Research* 48, <https://doi.org/10.1111/1748-5967.12282>.
- 12-** Zahirnia AH, Rastgar H, Azarihmidian S, Salehzadeh A. Determination of Mosquitoes Fauna (Culicidae: Diptera) in Poldokhtar County of Lorestan Province, 2015;24(84): 126-134 (In Persian).
- 13-** A. J. Jafari, R. Pourkabireh Abasabad, A. Salehzadeh. Endocrine Disrupting Contaminants in Water Resources and Sewage in Hamadan City of Iran. *Iran. J. Environ. Health. Sci. Eng.* 2009;6 (2):89-96.
- 14-** Rafatbakhsh-Iran S, Salehzadeh A, Yousefi-mashouf R, Najafimosleh M, Karimitabar Z, Khedri M. Bacteria of Phlebotominae Sand Flies Collected in Western Iran. *Iranian Journal of Health, Safety & Environment*. 2015; 2 (3):313-319.

15-Kolivand M, Fallah M, Salehzadeh A, Davari B, Poormohammadi A, Pazoki Ghohe H, Maghsood AH. An Epidemiological Study of Cutaneous Leishmaniasis Using Active Case Finding among Elementary School Students in Pakdasht, Southeast of Tehran, Iran. *J Res Health Sci.* 2015; 15(2):104-108.

16- Abbasalipourkabir R, Salehzadeh A & Abdullah R. Tamoxifen-loaded solid lipid nanoparticles induced apoptosis in breast cancer cell lines. *Journal of Experimental Nanoscience.* 2016;11(3): 161-174

17-Abbasalipourkabir R, Moradi B, Zarei S, Asadi S, Salehzadeh , Ghafourikhosroshahi A, Mortazavi M, Ziamajidi N. Toxicity of zinc oxide nanoparticles on adult male Wistar rats. *Food and Chemical Toxicology.* 2015;84():154-160.

18- Abbasalipourkabir R, Salehzadeh A, Abdullah R. In vitro investigations on the toxicity induced by tamoxifen and tamoxifen-loaded solid lipid nanoparticles on two breast cancer cell types. *Avicenna Journal of Medical Biochemistry.* 2013; 1(1): 36-40.

19-Salehzadeh A, Mahjub H. Antagonistic effect of Azadirachtin on Cyfluthrin and Permethrin. *Journal of Entomology.* 2011;8(1):95-100.

20-Abbasalipourkabir R, Salehzadeh A, Abdullah R. Delivering Tamoxifen within Solid Lipid Nanoparticles. *Pharmaceutical Technology.* 2011; 35(4):74-79.

21-Salehzadeh A, Rafatbakhsh Iran S, Latifi M, Mirhoseini M. Diversity and incrimination of sandflies (Psychodidae: Phlebotominae) captured in city and suburbs of Hamadan, Hamadan province, west of Iran. *Asian Pacific Journal of Tropical Medicine.* 2015 ; 7(Suppl 1): S177-S181.

- **A H Zahirnia¹, H Rastgar², S Azarihmidian³, Salehzadeh A.** **Determination of Mosquitoes Fauna (Culicidae: Diptera) in Poldokhtar County of Lorestan Province, 2015.** *Avicenna J Clin Med* 2017, 24(2): 126-134

22- Mawlouidi C, Salehzadeh A, Zahirnia AH, Davari B, Ramezan Jamaat Mawlouidi S. Species Composition and Seasonal Activity of Phlebotomine sand flies (Diptera: Psychodidae) in Paveh County, West of Iran. *Iranian Journal of Health, Safety & Environment.* 2018; 5(1):911-917.

23- Latifi M, Alikhani MY, Salehzadeh A, Nazari M, Bandani AR, Zahirnia AH. The Antibacterial Effect of American Cockroach Hemolymph on the Nosocomial Pathogenic Bacteria. *Avicenna J Clin Microb Infec.* 2015; 2(1): e23017.

24- Abbasalipourkabir R, salehzadeh A, Abdullah R. Antitumor activity of tamoxifen loaded solid lipid nanoparticles on induced mammary tumor gland in Sprague-Dawley rats. *African Journal of Biotechnology.* 2010; 9(43): 7337-7345.

- 25-** Abbasalipourkabir R , Dehghan A , Salehzadeh A, Shamsabadi F,Abdullah R. Induction of mammary gland tumor in female SpragueDawley rats with LA7 cells. 2010; 9(21): 4491-4498.
- 26-** Rafatbakhsh-Iran S, Salehzadeh A, Nazari M, Zahirnia AH, Davari B, Latifi M, Chamanpara P. Ecological Aspects of the Predominant Species of Phlebotominae Sand Flies (Diptera: Psychodidae) in Hamadan, Iran.2016. Zahedan J Res Med Sci. 18(2):e5994.
- 27-** Salehzadeh A, Abbasalipourkabir R. Differential Uptake of Azadirachtin by Sf9 and MCF7 Cell Lines. Indian Journal of Fundamental and Applied Life Sciences. 2011; 1(3):146-152..
- 28-** Abbasalipourkabir R, Salehzadeh A, Abdullah R. In vitro investigations on the toxicity induced by tamoxifen and tamoxifen-loaded solid lipid nanoparticles on two breast cancer cell types. Avicenna Journal of Medical Biochemistry.2013; 1(1): 36-40.
- 29-** Abbasalipourkabir R, Salehzadeh A, Abdullah R. Solid lipid nanoparticles as new drug delivery system. Internatunal Journal of Biotechnology and molecular biology research. 2011; 2(13):252-261.
- 30-** M. Nazari, D. Bahrami B. Davari, A. Salehzadeh. Epidemiological Survey of Scorpion Sting Cases and Identification of Scorpion Fauna in Hamadan City, Iran (2013). Sci J Hamadan Univ Med Sci 2015; 22 (3): 255-262 (In Persian)
- 31-** Salehzadeh A, Mahjub H. Comparison of effect of Actelic, Ficam, Diazinon, Fenitrothion and Coopex on cockroaches from Tehran urban areas. Journal of Ilam University of Medical Sciences. 2007;15(1):24-31(In Persian).
- 32-** Mirhoseini M, Salehzadeh A, Ramazan Jamaat S, Zahirnia AH, and Najmeh Rahmanzadeh N. Distribution and seasonal activity of phlebotominae sand flies in Yazd and its outskirts, Center of Iran. The Scientific World Journal. 2017 ;2017:1486845. doi: 10.1155/2017/1486845.
- 33-** Salehzadeh A, Abbasalipourkabir R, Shisheian B, Rafaat A, Nikkhah A, Rezaii. The alleviating effects of sesame oil on diazinon-induced toxicity in male wistar rats. Drug Chem Toxicol. 2018 Mar 28:1-6. doi: 10.1080/01480545.2018.1449852. [Epub ahead of print].
- 34-** Fatemian Z, Salehzadeh A, Sedaghat MM, Zakieh Telmadarraiy, Hanafi-Bojd AA, Zahirnia AH. Hard Tick (Acari: Ixodidae) species of Livestock and their Bioecology in Boyer-Ahmad and Dena cities, of Kohgiluyeh and Boyer-ahmad Province, Southwest of Iran. Vet World. 11(9):1357-1363. doi: 10.14202/vetworld.2018.1357-1363. Epub 2018 Sep 30.
- 35-** Hassan Nasirian, and Aref Salehzadeh. Control of Cockroaches (Blattaria) in Sewers: A Practical Approach Systematic Review. Journal of Medical Entomology, J Med Entomol. 2018 Nov 20. doi: 10.1093/jme/tjy205. [Epub ahead of print]. Issue 1, 2019, Pages 181–191

- 36-** Azita Akhlagh, Aref Salehzadeh, Amir Hossein Zahirnia and Behrooz Davari. Ten-year trends in epidemiology, diagnosis and treatment of cutaneous leishmaniasis in Hamadan Province, West of Iran. *Front Public Health*. 2019 Mar 5;7:27. doi: 10.3389/fpubh.2019.00027.
- 37-** Nasirian H, Salehzadeh A. Effect of seasonality on the population density of wetland aquatic insects: A case study of the Hawr Al Azim and Shadegan wetlands, Iran. *Vet World*. 2019;12(4):584-592. doi: 10.14202/vetworld.2019.584-592
- 38-** Zahirnia AH, Boroomand M, Nasirian H, Soleimani-Asl S, Salehzadeh A, Dastan D. The cytotoxicity of malathion and essential oil of *Nepeta crispa* (Lamiaceae) against vertebrate and invertebrate cell lines. *The Pan African Medical Journal*. *Pan Afr Med J*. 2019 Aug 6;33:285. doi: 10.11604/pamj.2019.33.285.18776. eCollection 2019.
- 39-** Zahirnia A, Boroomand M, Nasirian H, Salehzadeh A, Soleimani-Asl S. Comparing cytotoxicity of propoxur and *Nepeta crispa* (Lamiaceae) essential oil against invertebrate (Sf9) and vertebrate (L929) cell lines. *Vet World*. 2019 Nov;12(11):1698-1706. doi: 10.14202/vetworld.2019.1698-1706. Epub 2019 Nov 4.
- 40-** Salehzadeh A, Salehzadeh A, Maghsood AH, Heidarisan S, Taheri-Azandaryan M, Ghafourikhosroshahi A, Abbasalipourkabir R. Effects of vitamin A and vitamin E on attenuation of amphotericin B-induced side effects on kidney and liver of male Wistar rats. *Environ Sci Pollut Res Int*. 2020 Sep;27(26):32594-32602. doi: 10.1007/s11356-020-09547-w.
- 41-** A. Salehzadeh, Z. Darvish, B. Davari, and H. Nasirian "The Efficacy of Baits Containing Abamectin, Dinotefuran, Imidacloprid and Pyriproxyfen + Abamectin against *Blattella germanica* (L.) (Blattaria: Blattellidae), the German Cockroach," *African Entomology* 28(2), 225-237. 2020). <https://doi.org/10.4001/003.028.0225>
- 42-** Bahmani M, Ziamajidi N, Hashemnia M, Abbasalipour R, salehzadeh A. Human Umbilical Cord Blood Mesenchymal Stem Cell Conditioned Medium (hMSC-CM) Improves Antioxidant Status in Carbon Tetrachloride-Induced Oxidative Damage in Rat. *Iranian Journal of Science and Technology, Transactions A: Science*. volume 44, pages1327–1335(2020).
- 43-** Ebrahim Hosseini-Fard, Aref Salehzadeh, Amir Hossein Maghsood, Behroz Davari, Amir-Hossein Zahirnia. Species composition and seasonal activity of phlebotominae sand flies in Kuhdasht city, Lorestan Province, Iran. *Indian Journal of Forensic Medicine & Toxicology*. 2021, Vol.15, no.2, pages 2310-2317.
- 44-** Tavakoli MM, Davari B, Nasirian H *, Aref Salehzadeh, Moradkhani SH, Zahirnia AH. Investigation of insecticidal properties of *Rosmarinus officinalis* L. and *Lavandula angustifolia* Mill. essential oils against German cockroach in laboratory conditions. *Feyz* 2021, 25(3): 994-1002 (In Persian).
- 45-** Hosseinzadeh, L., Salehzadeh, A., Asl, S.S., Zahirnia, A., Nouri, F. Evaluation of the Effect of Polyethyleneimine-Based Nanoparticles Containing Scorpion Venom (*Mesobuthus eupeus*) on the Growth of Sf9 Cell Line. *Acta Microbiologica Bulgarica* 2022, 38(3), pp. 248-253.

46- Davari B, Hassanvand AE, Salehzadeh A, Alikhani MY, Hosseini SM. Bacterial Contamination of Collected Cockroaches and Determination Their Antibiotic Susceptibility in Khorramabad City, Iran. *J Arthropod Borne Dis.* 2023;17(1):63-71.

47- Zahirnia AH , Shanavaz M , Nasirian H , Davari B , Salehzadeh A. Species Composition, Temporal Distribution, and Degree of Dependence of Scorpion Species on the Environment in Terms of Soil Texture and Moisture Level in Shush County, Khuzestan Province. *J Mazandaran Univ Med Sci.* 2023, 33(227): 126-133.

48- Davari B, Barik – Abi S, Hassan Nasirian H* .Zahirnia AH, Mohammadi Y, Salehzadeh A. Comparative efficacy of topical dimethicone and permethrin for the treatment of head lice infestation in students. *Chula Med.*2023; 67 (3): 161-16

49- Zafari, S., Motavallihaghi, S., Salehzadeh, A. *et al.* Molecular investigation of *Leishmania* in sandflies (Diptera: Psychodidae) and rodents (Mammalia: Rodentia) in Nahavand, west of Iran. *Parasitol Res* **123**, 253 (2024).
<https://doi.org/10.1007/s00436-024-08265-3>

BOOK:

- 1- Salehzadeh, A. "Pesticide and Their mode of action" Hamadan, University of Medical Science publication, 2nd edition, 2010