

# Curriculum Vitae

## Personal Information:

- First Name: Abbas
- Last Name: Aghaei Afshar
- Nationality: IRAN
- Sex: Male
- Date of Birth: 1973
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## Affiliation(s):

- Associate Professor of Medical Entomology, Department of Parasitology and Mycology, School of Medicine, Leishmaniasis Research Center, Kerman University of Medical Sciences
- Associate Professor of Medical Entomology, Department of Vector Biology and Control, School of Health, Kerman University of Medical Science

## Profiles:

- Scopus ID: 55241816900
- Web of Science Researcher ID: C-8949-2019
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## Educational Background:

Institute	Attendance Duration	Degree	Major
Shahid Bahonar University of Kerman (SBUK)	1997-2001	BSc	Plant Protection
Tehran University of Medical Sciences (TUMS)	2002-2005	MSc	Medical Entomology
Tehran University of Medical Sciences (TUMS)	2007 - 2011	PhD	Medical Entomology

### **Title of My Research Thesis/Dissertations:**

Level	Title of Thesis/Dissertation
MSc	Epidemiological Aspects of Visceral Leishmaniasis in South of Baft District, 2004-2005.
PhD	Epidemiological Chains of Coetaneous Leishmaniasis and Impact/Outcome Indicators Following Residual Spraying with Deltamethrin in New Foci of Dehbakri County, Bam District, Kerman Province, 2010-2011.

### **Publications:**

1. Susceptibility Status of *Phlebotomus papatasi* and *P. sergenti* (Diptera: Psychodidae) to DDT and Deltamethrin in a Focus of Coetaneous Leishmaniasis after Earthquake Strike in Bam, Iran. *Iran J Arthropod-Borne Dis*, 2011, 5(2): 32–41.
2. Seroepidemiology of Anti-HEV IgG in Healthy Men Blood Donors in Kerman, 2007-2008. *Iranian Journal of Virology* 2009; 3(1): 35-37.
3. Molecular Detection of HGV RNA in Chronic Hepatitis Patients. *Iranian Journal of Virology* 2009; 3(2): 17-23.
4. Natural Parasitism associated with species of Sarcophagidae family of Diptera in Iran.
5. Antiviral Activity of Specific siRNA against Hemagglutinin and Neuraminidase of Influenza Virus H1N1 in MDCK Cell Culture.
6. Self-medication among health staff: A cross sectional study of Kerman Province, Iran.
7. Evaluation of the ecological characteristics in the vector of anthroponotic cutaneous leishmaniasis in a new focus of Mohammad Abad, Kerman, southeast of Iran.
8. Visceral Leishmaniasis in Southeastern Iran: A Narrative Review.
9. A study on the blood feeding behavior of sand flies on ABO blood groups using PCR methods in Southeastern Iran.
10. A comprehensive review of cutaneous leishmaniasis in kerman province, southeastern iran- narrative review article.
11. Report an educational intense decline in medical student with excellent educational background
12. Knowledge, attitude and practice of healthcare workers concerning Crimean-Congo hemorrhagic fever in Western Iran.
13. Expelled student in medical school with an excellent educational record Case Report
14. The Present Status of Cutaneous Leishmaniasis in a Recently Emerged Focus in South-West of Kerman Province, Iran.
15. Susceptibility Status of *Phlebotomus papatasi* and *P. sergenti* (Diptera: Psychodidae) to DDT and Deltamethrin in a Focus of Cutaneous Leishmaniasis after Earthquake Strike in Bam, Iran.

16. Comparative repellency effect of three plant extracts on *Paederus* beetles (Coleoptera: Staphylinidae), the cause of linear dermatitis in Iran
17. First report on natural *Leishmania* infection of *Phlebotomus sergenti* due *Leishmania tropica* by high resolution melting curve method in South-eastern Iran
18. First determination of impact and outcome indicators following indoor residual spraying (IRS) with deltamethrin in a new focus of anthroponotic cutaneous leishmaniasis (ACL) in Iran
19. Rasi Y, Aghaei Afshar A, Abaei MR. 2004. Epidemiological Aspects of Visceral Leishmaniasis in South of Baft District. *Journal of Kerman University of Medical Sciences*. 10 (1): 136-141.
20. Rasi Y, Javadian E, Ghasemi M, Aghaei Afshar A. 2006. Study of Reservoir and Vectors of Coetaneous Leishmaniasis by Nested PCR Methods in Marvdasht District, Fars, Iran. *Journal of Kerman University of Medical Sciences*. 14 (2): 113-118.
21. Akbarzadeh K, Saghafipour A, Jesri N, Karami-Jooshin M, Arzamani K, Hazratian T, Kordshouli RS, Afshar AA. Spatial distribution of necrophagous flies of infraorder muscomorpha in iran using geographical information system. *Journal of medical entomology*. 2018 Aug 29;55(5):1071-85.
22. Hemmati S, Afshar AA, Mohammadi MA, Afgar A, Nasibi S, Harandi MF. Experimental and field investigation of non-biting flies as potential mechanical vectors of *Echinococcus granulosus* eggs. *Experimental parasitology*. 2018 Jun 1;189:43-8.
23. Alizadeh I, Gorouhi MA, Aghaei Afshar A, Iranpour A. The social impacts of bedbug infestation as an emerging public health issue: a case report. *Electronic Physician*. Volume: 11, Issue: 4, Pages: 7636-7642, 2019.
24. Alizadeh I, Gorouhi MA, Aghaei Afshar A, Hayati R. Why Is the Control of Bed Bugs'(Cimex spp.) infestations as an Urban Environmental Health Pest Difficult? Reasons & Control Strategies. *Journal of Environmental Health and Sustainable Development*. 2019 Mar 10; 4(1):666-9.
25. Alizadeh I, Gorouhi MA, Aghaei Afshar A, Hayati R, Mirr I. Satisfaction of Mobile Users with mobile Application" Identification, Prevention, and Control of Bed Bugs": Designing and Developing Mobile Health Application. *Journal of Health and Biomedical Informatics*. 2019;6(1):24-31.
26. Bamorovat M, Sharifi I, Aflatoonian MR, Sadeghi B, Shafiiian A, Oliaae RT, Keyhani A, Afshar AA, Khosravi A, Mostafavi M, Parizi MH. Host's immune response in unresponsive and responsive patients with anthroponotic cutaneous leishmaniasis treated by meglumine antimoniate: A case-control study of Th1 and Th2 pathways. *International immunopharmacology*. 2019 Apr 1;69:321-7.
27. Aflatoonian MR, Sharifi I, Aflatoonian B, Bamorovat M, Heshmatkhah A, Babaei Z, Almani PG, Mohammadi MA, Salarkia E, Afshar AA, Sharifi H. Associated-risk determinants for anthroponotic cutaneous leishmaniasis treated with meglumine antimoniate: A cohort study in Iran. *PLoS neglected tropical diseases*. 2019 Jun 12;13(6):e0007423.

28. Aghaei Afshar A, Hojjat F, Yaghoobi Ershadi MR, Rassi Y, Akhavan AA, Gorouhi MA, Yousefi S, Hanafi Bojd AA. Modeling and evaluating the risk of zoonotic cutaneous leishmaniasis in selected areas of Kerman Province, south of Iran. *Transboundary and Emerging Diseases*.
29. Salim Abadi Y, Sanei-Dehkordi A, Hakimi Parizi M, Aghaei Afshar A, Sharifi I, Gorouhi MA, Shirani-Bidabadi L, Alizadeh I. Baseline susceptibility of a wild strain of main vectors of leishmaniasis to WHO-recommended insecticides in southeastern Iran. *Parasites & Vectors*. 2022 Dec;15(1):1-7.
30. Aghaei-Afshar A, Shirani-Bidabadi L, Sharifi I, Khosravi A, Alizadeh I, Amiri Z, Gorouhi MA. Establishment and mass breeding of *Phlebotomus papatasi* (Diptera: Pshychodidae) in Orzouieh county in Kerman Province, Southeast of Iran.
31. Shirani-Bidabadi L, Aghaei-Afshar A, Kazemi S, Alizadeh I, Mirzaee M, Gorouhi MA. Investigation of head lice infection (*Pediculus humanus capitis*) and its related factors in Kerman: a brief report. *Tehran University Medical Journal TUMS Publications*. 2022 May 10;80(2):120-7.
32. Gorouhi MA, Alizadeh I, Afshar AA, Gohari MA. Knowledge, attitude and practice towards crimean congo hemorrhagic fever (CCHF): A survey among butchers community in Kerman city. *Journal of Entomological Research*. 2020; 44(3):495-500.
33. Alizadeh I, M A Gorouhi, A Aghaei Afshar, M Faraji, M Nakhaei Pour, F Pourchangiz. Risk of Leukemia and Brain Tumors in Children Related to Pesticide Residual in Households, and Approach to reduce its Side Effects: A narrative review. *Journal of Pediatrics Review*. 2021; 9 (1):9-18.
34. Alizadeh I, MA Gorouhi, A Aghaei Afshar, I Mirr. Design and Development of a Mobile-Based Application for Identification, Prevention, and Control of Head Lice and Survey of User Satisfaction. *Journal of Health and Biomedical Informatics* 7 (4), 425-434 *Journal of Health and Biomedical Informatics*. 2021; 7 (4), 425-434.
35. Alizadeh I, A Aghaei Afshar, MA Gorouhi, Shiri, Faeghe. Cutaneous reaction due to ctenocephalides felis felis: a case report. *Dermatology and Cosmetic*. 2021; 11 (4), 310-314.
36. Alizadeh I, Mohammad Amin Gorouhi, Iraj Sharifi, Zahra Zamaninasab, Teimour Hazratian, Abbas Aghaei Afshar. Risk Factors of Anthroponotic Cutaneous Leishmaniasis among Residents in Endemic Communities in Southeast of Iran in 2019. *Journal of Environmental Health and Sustainable Development*. 2021; 6 (1), 1219-1230.

### **International and National Conferences:**

1. **Aghaei afshar A**, Rassi Y, Sharifi I, Vatandoost H, oshaghi MA, Abaei MR. 2011. Susceptibility Status of *Phlebotomus papatasi* and *P. sergenti* (Diptera: Psychodidae) to DDT and Deltamethrin in a Focus of Coetaneous Leishmaniasis after Earthquake Strike in Bam, Iran. 7<sup>th</sup> International Symposium on Phelebotominae Sand flies. Kusadasi, Turkey.
2. **Aghaei Afshar A**, Oshaghi MA, Gorouhe A. 2006. Y-Chromosome dimorphism in the Malaria vector *Anopheles Stephensi* from South IRAN. The 8<sup>th</sup> European Congress of Entomology. Turkey.
3. Rasi Y, **Aghaei Afshar A**, Abaei MR. 2006. Epidemiological Aspects of Visceral Leishmaniasis in South of Baft District. 2<sup>nd</sup> Iranian Congress of Medical Entomology. Tehran University of Medical Sciences. Tehran, Iran.
4. Oshaghi MA, Javadian E, Gorohi A, **Aghaei Afshar A**. 2005. Determination of Sporozoite Rate in *An. maculipennis* Siblings by PCR Methods. Biotechnology Congress, Tehran Iran.

5. Arabzadeh SA, Mollaei H, Zahedi M, **Aghaei Afshar A.** 2005. Seroepidemiology of Anti-HEV IgG in Healthy Men Blood Donors in Kerman. EACID. Iran University of Medical Sciences. Tehran, Iran.
6. Arabzadeh AM, Zahedi MJ, Mollaie HR, Iranmanesh Z, **Aghaei Afshar A.** 2009. Molecular Detection of HGV RNA in Chronic Hepatitis Patients from a Hospital in Kerman, Iran. EACID. Tehran Iran.
7. Mohammad Amin Gorouhi, **Ismaeil Alizadeh,** **Abbas Aghaei Afshar\***, Najmeh Mansuori, Mahshid Shahri, Reyhaneh Zandi, Fatemeh Seyedi, Milad Ahmadi Gohari, Alireza Sanei-Dehkordi, Yaser Salim Abadi. Knowledge, Attitude and Practice towards Crimean Congo Hemorrhagic Fever (CCHF): A Survey among Butchers Community in Kerman City. 2nd International Congress of Vector-Borne Diseases & Climate Change; 4th National Congress of Medical Entomology. Shiraz University of Medical Sciences, Shiraz, IRAN; Nov. 13-15, 2019.
8. **Ismaeil Alizadeh,** Mohammad Amin Gorouhi, **Abbas Aghaei Afshar \***, Leila Shirani-Bidabadi, Saeedeh Kazemi, Razieh Moghimian, Vida Hajmohammadi, Maryam Bashkardizadeh, Milad Ahmadi Gohari. Knowledge, Attitude and Practice (K.A.P) about Anthroponotic Cutaneous Leishmaniasis among Dwellers in Endemic areas in Kerman City, Southeast of Iran. 2nd International Congress of Vector-Borne Diseases & Climate Change; 4th National Congress of Medical Entomology. Shiraz University of Medical Sciences, Shiraz, IRAN; Nov. 13-15, 2019.
9. **Ismaeil Alizadeh,** **Abbas Aghaei Afshar,** Mohammad Amin Gorouhi \*, Leila shirani-Bidabadi, Zahra Nadalian. Allergic reactions and dermatitis due to *Polyphaga aegyptiaca* (Blattodea: Polyphagidae): A case report from Rafsanjan, southeast of Iran. 2nd International Congress of Vector-Borne Diseases & Climate Change; 4th National Congress of Medical Entomology. Shiraz University of Medical Sciences, Shiraz, IRAN; Nov. 13-15, 2019.
10. **Ismaeil Alizadeh,** **Abbas Aghaei Afshar \***, Mohammad Amin Gorouhi, Arman Izadian, Elahe Golestani, Zahra Vahabi. A preliminary study on forensically important flies in Kerman city, Southeast of Iran. 2nd International Congress of Vector-Borne Diseases & Climate Change; 4th National Congress of Medical Entomology. Shiraz University of Medical Sciences, Shiraz, IRAN; Nov. 13-15, 2019.
11. **Ismaeil Alizadeh,** **Abbas Aghaei Afshar,** Mohammad Amin Gorouhi \*, Elmira Zahraei, Sara Nasrollahzadeh, Fatemeh Sheikhooshaghi, Azim Zaimbashi, Milad Ahmadi Gohari, Farxane Sadeqi. A Survey on Knowledge of Students and their Mothers about Head Lice Infestation in elementary Schools, Southeast of Iran. 2nd International Congress of Vector-Borne Diseases & Climate Change; 4th National Congress of Medical Entomology. Shiraz University of Medical Sciences, Shiraz, IRAN; Nov. 13-15, 2019.
12. **Ismaeil Alizadeh,** **Abbas Aghaei Afshar \***, Mohammad Amin Gorouhi, Zahra Nadalian, Fatemeh Ghaseminejad. Identification, Knowledge, and Awareness of Students about Bed Bug in Kerman University of Medical Sciences. 2nd International Congress of Vector-Borne Diseases & Climate Change; 4th National Congress of Medical Entomology. Shiraz University of Medical Sciences, Shiraz, IRAN; Nov. 13-15, 2019.
13. Behrouz Talaei, Mohammad Amin Gorouhi \*, **Abbas Aghaei Afshar,** **Ismaeil Alizadeh,** Fatemeh Seyedi. Insects as Food: A Review on Challenges and Opportunities. 2nd International Congress of Vector-Borne Diseases & Climate Change; 4th National Congress of Medical Entomology. Shiraz University of Medical Sciences, Shiraz, IRAN; Nov. 13-15, 2019.

14. Ismaeil Alizadeh, Mohammad Amin Gorouhi, **Abbas Aghaei Afshar \***, Leila shirani-Bidabadi, Faeghe Shiri. Risk Factors for the Incidence of Anthroponotic Cutaneous Leishmaniasis (ACL) among Residents in Suburb of Kerman City, Southeast of Iran: A Qualitative study. 2nd International Congress of Vector-Borne Diseases & Climate Change; 4th National Congress of Medical Entomology. Shiraz University of Medical Sciences, Shiraz, IRAN; Nov. 13-15, 2019.
15. Ismaeil Alizadeh, Mohammad Amin Gorouhi, **Abbas Aghaei Afshar \***, Hadis Sadat Mansory, Fatemeh Pourchangiz, Fatemeh Hosseini, Fatemeh Ziyadini , Kosar Amirafzali, Iman Mirr. Urban Pests: Knowledge and Attitude among Residents in Kerman City and Characterizing their Diversity in Human Dwellings. 2nd International Congress of Vector-Borne Diseases & Climate Change; 4th National Congress of Medical Entomology. Shiraz University of Medical Sciences, Shiraz, IRAN; Nov. 13-15, 2019.
16. Ismaeil Alizadeh, **Abbas Aghaei Afshar**, Mohammad Amin Gorouhi, Kosar Amirafzali, Fatemeh Pourchangiz, Fatemeh Hosseini, Fatemeh Ziyadini, Kiana Rakhshnimehr, Hadis Sadat Mansory\*. Who Know the Chemical Pesticide Use In-Home Cause Cancers Risk? Knowledge and Practice among Residents in Kerman City. 5th National Congress of Student Research Committee of Rafsanjan University of Medical Sciences. Rafsanjan, IRAN, December, 11-13.
17. Mohammad Amin Gorouhi, Ismaeil Alizadeh, **Abbas Aghaei Afshar**, Arman Izadiyan\*, Amir Mohammd Habibi. Fauna of scorpion in the Kerman city, southeast of Iran. 5th National Congress of Student Research Committee of Rafsanjan University of Medical Sciences. Rafsanjan, IRAN, December, 11-13.
18. Ismaeil Alizadeh, **Abbas Aghaei Afshar**, Mohammad Amin Gorouhi, Maryam Faraji, Mohadeseh Orduni, Fatemeh Afshari, Leila Baniasadi\*. Pesticide Residue in Urban Households and Risk of cancers in Children: a systematic review. 5th National Congress of Student Research Committee of Rafsanjan University of Medical Sciences. Rafsanjan, IRAN, December, 11-13.

#### **Research Projects (As Research Assistant):**

1. Epidemiological Chains of Coetaneous Leishmaniasis and Impact/Outcome Indicators Following Residual Spraying with Deltamethrin in New Foci of Dehbakri County, Bam District, Kerman Province, 2010-2011. KUMS and TUMS.
2. Determination of Phlebotomus fauna and susceptibility status in Bam, Kerman Iran. 2005. KUMS.
3. The use of Maggot therapy method for treatment of diabetic's lesions. 2005. KUMS.
4. Seroepidemiology of Anti-HEV IgG in Healthy Men Blood Donors in Kerman, 2009. KUMS.
5. Molecular Detection of HGV RNA in Chronic Hepatitis Patients. Iranian Journal of Virology, 2009. KUMS.
6. Evaluation of antibacterial activity of saliva and hemolymph of *Lucilia sericata* larvae. (Kerman).

7. Study on fauna and ecology of scorpion in north part of Kerman province, during 2019-2020. (Kerman).
8. Mass rearing and maintenance of vectors of cutaneous leishmaniasis in laboratory condition in Kerman province. (Kerman).
9. Evaluation of susceptibility level of D.D.T, Lambda-cyhalothrin, Deltamethrin, Cyfluthrin, Permethrin on the field population of vectors of cutaneous leishmaniasis (Anthroponetic and zoonotic) in the disease foci of Kerman province in 1399-1398.(Kerman).
10. Investigation of fauna of Sarcophagide family flies based on height difference in Kerman city. (Kerman).
11. Knowledge, Attitude and Practices about Cutaneous Leishmaniasis among Dwellers in a Endemic District in Kerman County, Southeast of Iran 2019. (Kerman).
12. Design and construction of Mobile application on Pediculosis (identification, prevention and control) for increasing awareness and knowledge of people. (Kerman).
13. A Survey of Knowledge, Attitude and Practice of slaughters about Crimean Congo Hemorrhagic Fever (CCHF) in Kerman 2018-2019. (Kerman).
14. Design and construction of Mobile application on Malaria « identification, prevention and treatment» for increasing awareness and knowledge of vector biology and control students. (Kerman).

### **Designing cellphone applications (Apps):**

1. Android mobile application on Bed Bugs «Identification, Prevention and Control».
2. Android mobile application on Head Lice «Identification, Prevention and Control».
3. Android mobile application on Malaria « Identification, prevention and treatment».

### **Technical skills:**

- Molecular Biology techniques detecting spontaneous mutations using PCR
- PCR-RFLP
- HRM
- LAMP
- SiRNA design and gene silencing
- RNA/DNA extraction

- Real Time PCR
- Primer Design
- Molecular test design
- Cell Culture
- House fly collection and rearing
- Calliphoridae collection and rearing (*Lucilia sericata*)
- Sand fly collection and rearing
- Bioassay test for control insect
- Common insect field techniques (hand collection, trapping, sampling)

**Skills:**

**Language:**

- Persian (Native)
- English(Good)
- Arabic (Familiar with reading & translation)

**Other skills:**

- Basic IT Skills
- Microsoft office
- ICDL
- SPSS software
- EndNote software

**Honors & Awards:**

- The 1nd rank in the MSc entrance exam of Medical Entomology (TUMS, 2002).
- Top student in PhD national examination board & scientific interview (TUMS, 2007).
- Second prize of Iranian medical student's Sport festival (Soccer) (2008).

**Research Interests:**

- Leishmaniasis
- Toxicology



- Vector Control

**Workshops attended:**

- Attending a training course on recognition identification mounting and dissection of phlebotomine sand flies.(Turkey, 2011)
- Attending a workshop on Power Lab (TMU, 2008)
- Attending a workshop on HRM and Real Time PCR (KUMS, 2007)
- Attending a workshop on how to publish a scientific journal article (TUMS, 2011)

**Memberships:**

- Iranian Society of Medical Entomology (2004-present)