

## Curriculum Vita



### Personal Detail

---

**Name:** Shabnam

**Surname:** Asfaram

**Birth date:** 1982.9.6

**Situation:** Married

**Address:**

Zoonoses Research Center,  
Ardabil University of Medical Sciences,  
Ardabil, Iran

**Mobile:** 09143549860

**E-mail:** shabnamdew90@yahoo.com

<https://scholar.google.com/citations?user=yUrgRQ0AAAAJ&hl=en>

<https://orcid.org/0000-0002-4455-1512>

**Scopus Author ID: 55945445700**

## **Academic Background**

---

**2014-2019**

**Ph.D of Medical Parasitology**

Department of Medical Parasitology, Faculty of Medical Sciences,  
Sari University of Medical Sciences, Sari, Iran

**Thesis title:**

Detection of *Leishmania infantum* infection among blood donors in endemic areas of Ardabil Province using parasitological, serological, molecular methods and drug susceptibility evaluation of isolated *Leishmania* invitro

**Supervisors:**

Dr. Mahdi Fakhar

**Advisors:**

Dr. Hajar Ziaei Hezarjaribi

Prof. Mehdi Mohebali

Dr. Ahmad Mardani

**2009-2011:**

**Medical Parasitology (M.Sc.)**

Department of Parasitology, Faculty of Medicine, Tabriz University  
of Medical Sciences, Tabriz, Iran

**Thesis title:**

Identification of Sarcocystis species Isolated from Sheep in Tabriz Abattoir by  
PCR-RFLP Method

**Supervisor:**

Dr. Abbas Shahbazi

Dr. Esmail Fallah

**2004-2008:**

**Veterinary Laboratory sciences (B.Sc.)**

Faculty of Veterinary Medicine,  
Ferdowsi Mashhad University, Mashhad, Iran

## Original and systematic review Papers

---

1. Shahbazi A, Fallah E, Koshki MK, Nematollahi A, Ghazanchaei A, **Asfaram S**. Morphological characterization of the *Trichostrongylus* species isolated from sheep in Tabriz, Iran. *Research Opinions in Animal and Veterinary Sciences*. **2012**; 2(5):309-12.
2. Shahbazi A, **Asfaram S**, Fallah E, Khanmohammadi M, Nematollahi A, Moharrami T, Ghazanchaei A. Identification of *Sarcocystis tenella* isolated from sheep in Tabriz abattoir by parasitological and PCR-RFLP methods. *Journal of Pure and Applied Microbiology*. **2013**; 7(3):2135-9.
3. Hemmati A, Shahbazi A, Fallah E, Khanmohammadi M, **Asfaram S\***. Prevalence Of *Sarcocystis* Infection In Slaughtered Cattle In Tabriz **2013**.
4. A. Shahbazi, **S. Asfaram**, E. Fallah, M. Khanmohammadi, A. Nematollahi, and T. Moharami. "Identification of *Sarcocystis tenella* and *Sarcocystis arieticanis* isolated from slaughtered sheep in tabriz abattoir using parasitological and PCR-RFLP methods. **2013**: 959-964.
5. Sharif M, Sarvi S, Pagheh AS, **Asfaram S**, Rahimi MT, Mehrzadi S, Ahmadpour E, Gholami S, Daryani A. The efficacy of herbal medicines against *Toxoplasma gondii* during the last 3 decades: a systematic review. *Canadian journal of physiology and pharmacology*. **2016** Jul 4; 94(12):1237-48.
6. **Asfaram S**, Fakhar M, Mohebbali M, Mardani A, Banimostafavi ES, Hezarjaribi HZ, Soosaraei M. Asymptomatic human blood donors carriers of *Leishmania infantum*: potential reservoirs for visceral leishmaniasis in northwestern Iran. *Transfusion and Apheresis Science*. **2017** Jun 1; 56(3):474-9.
7. Mardani A, Feizi F, Fakhar M, Beyranvand HB, Farrokhi M, Abbasi M, **Asfaram S**. *Enterobius vermicularis* infection among appendectomy specimens in Qom Province, Central Iran: a retrospective study. *Comparative Clinical Pathology*. **2017** Sep 1; 26(5):1213-9.
8. **Asfaram S**, Fakhar M, Soosaraei M, Teshnizi SH, Mardani A, Banimostafavi ES, Hezarjaribi HZ. Global status of visceral leishmanial infection among blood

donors: A systematic review and meta-analysis. *Transfusion and Apheresis Science*. **2017** Oct 1; 56(5):748-54.

9. **Asfaram S**, Pagheh A, Fakhar M, Gheraghali F, Rezai MS. Case Series of Visceral Leishmaniasis (kala-azar) in Mazandaran and Golestan Provinces, North of Iran. *Journal of Mazandaran University of Medical Sciences*. **2017** Jan 15; 26(144):373-81.
10. Pagheh AS, Sharif M, Daryani A, Yazdani-Charati J, Nazar E, **Asfaram S**, Hosseini SA, Tork M, Soosaraie M, Syadatpanah A, Gholami S. A cross-sectional analysis of intestinal parasitic infections among the general population in north of Iran. *The Journal of Infection in Developing Countries*. **2018** Mar 11; 12(02):120-6.
11. Soosaraei M, Haghi MM, Etemadifar F, Fakhar M, Teshnizi SH, Hezarjaribi HZ, **Asfaram S**. Status of theileriosis among herbivores in Iran: A systematic review and meta-analysis. *Veterinary world*. **2018** Mar; 11(3):332.
12. **Asfaram S**, Teshnizi SH, Fakhar M, Banimostafavi ES, Soosaraei M. Is urine a reliable clinical sample for the diagnosis of human visceral leishmaniasis? A systematic review and meta-analysis. *Parasitology international*. **2018** Oct 1; 67(5):575-83.
13. Saberi R, Fakhar M, Sedighi O, Espahbodi F, Latifi A, Makhloogh A, Sharifpour A, Hezarjaribi HZ, **Asfaram S**. First Molecular Evidences of *Acanthamoeba* T3, T4 and T5 Genotypes in Hemodialysis Units in Iran. *Acta parasitologica*. **2019** Dec 1; 64(4):911-5.
14. **Asfaram S**, Daryani A, Sarvi S, Pagheh AS, Hosseini SA, Saberi R, Hoseiny SM, Soosaraei M, Sharif M. Geospatial analysis and epidemiological aspects of human infections with *Blastocystis hominis* in Mazandaran Province, northern Iran. *Epidemiology and health*. **2019**; 41.
15. **Asfaram S**, Fakhar M, Teshnizi SH. Is the cat an important reservoir host for visceral leishmaniasis? A systematic review with meta-analysis. *Journal of Venomous Animals and Toxins including Tropical Diseases*. **2019**; 25.
16. **Asfaram S**, Fakhar M, Mirani N, Derakhshani-niya M, Valadan R, Hezarjaribi HZ, Emadi SN. HRM-PCR is an accurate and sensitive technique for the diagnosis of cutaneous leishmaniasis as compared with conventional PCR. *Acta Parasitologica*. **2019** Dec 17:1-7.

17. Ziaei Hezarjaribi H, Emadi N, **Asfaram S**, Geran Orimi T, Derakhshani-niya M, Fakhar M. Molecular Detection of *Leishmania* spp. in Negative Smears of Patients with Cutaneous Leishmaniasis in Bam, Southeast Iran. *Journal of Mazandaran University of Medical Sciences*. **2019** Jun 15; 29(173):123-7.
18. Soosaraei M, Fakhar M, Teshnizi SH, Enameh RZ, Hezarjaribi HZ, **Asfaram S**, Faridnia R, Kalani H. Status of fasciolosis among domestic ruminants in Iran based on abattoir data: a systematic review and meta-analysis. *Annals of parasitology*. **2020**; 66(1):77-86.
19. Saberi R, Fakhar M, **Asfaram S**, Akhtari J, Nakhaei M, Keighobadi M. A Systematic Literature Review of Curcumin with Promising Antileishmanial Activity. *Infectious Disorders Drug Targets*. **2020** May 24.
20. **Asfaram S**, Fakhar M, Keighobadi M, Akhtari J. Promising Anti-Protozoan Activities of Propolis (Bee Glue) as Natural Product: A Review. *Acta Parasitologica*. **2020** Jul 20:1-2.
21. Soosaraei M, Haghi MM, Etemadifar F, Fakhar M, Teshnizi SH, **Asfaram S**, Esboei BR. Status of *Anaplasma* spp. infection in domestic ruminants from Iran: A systematic review with meta-analysis. *Parasite Epidemiology and Control*. **2020** Aug 13:e00173.
22. Saberi R, Fakhar M, Makhloogh A, Sedighi O, Tabaripour R, **Asfaram S**, Latifi A, Espahbodi F, Sharifpour A. First Evidence for Colonizing of *Acanthamoeba* T4 Genotype in Urinary Tracts of Patients with Recurrent Urinary Tract Infections. *Acta Parasitologica*. **2021** Mar 13:1-6.
23. **Shabnam Asfaram**, Razieh rezaei, Mahdi Fakhar, Behruz Ghezelbash, Maryam Nakhaei, Hajar Ziaei Hezarjaribi, Ahmad Mardani, Saeed Hosseini Teshnizi. High occurrence of *Toxoplasma gondii* infection among blood donors in Ardabil Province as main focus of zoonotic visceral leishmaniosis, northwestern Iran. *Annals of Parasitology* **2021**, 67(4), 611–617.
24. **Shabnam Asfaram**, Mahdi Fakhar, Mehdi Mohebali, Hajar Ziaei Hezarjaribi, Ahmad Mardani , Behrooz Ghezelbash, Behnaz Akhondi, Zabihollah Zarei, Maryam Moazeni. A Convenient and Sensitive kDNA-PCR for Screening of *Leishmania infantum* Latent Infection Among Blood Donors in a Highly Endemic Focus, Northwestern Iran. *Acta Parasitologica* , **2022**

25. Saraei S, Soozangar N, Miran M, Ghaffarifar F, Mohammadi-Ghalehbin B, Molaei S, **Asfaram S\***. In vitro Evaluation of the Potent Antileishmanial Activity of *Ferula tabasensis* Alone or in Combination with Shark Cartilage Extract Against the Standard Iranian Strain of *Leishmania major* (MRHO/IR/75/ER). *Iranian Journal of Pharmaceutical Research: IJPR*. **2023** Jan; 22(1).
26. **Asfaram S**, Sajedi B, Mohammadi-Ghalehbin B. Diagnosis and Treatment of Fasciola Infection with Endoscopic Retrograde Cholangiopancreatography (ERCP) in Ardabil, Northwest of Iran: Two Case Reports. *Iranian Journal of Parasitology*. **2024** Jun 9; 19(2):255-9.
27. Molaei S, **Asfaram S\***, Mashhadi Z, Mohammadi-Ghalehbin B, Iranpour S. Insights into parasites and COVID-19 co-infections in Iran: a systematic review. *Transactions of the Royal Society of Tropical Medicine and Hygiene*. **2024** Jan 30:trae001.
28. Edalatkhah H, Izadi B, Nazari M, Solgi R, Amani Ghayum S, Mohammadi-Ghalehbin B, Moradi-Asl E, **Asfaram S**, Azghani P, Heidari Z. *Demodex folliculorum* (Trombidiformes: Demodecidae) infestation in medical students with facial dermatoses and healthy groups. *Journal of Medical Entomology*. **2024** May 9:tjae061.
29. **Asfaram S**, Iranpour S, Molaei S, Abdollahzadeh H, Faraji F, Aminzadeh S. Seroprevalence of *Toxoplasma gondii* before and during the COVID-19 pandemic in Northwestern Iran. *BMC Infectious Diseases*. **2024** Aug 16;24(1):834.
30. Mohebbali M, Akhoundi B, **Asfaram S**, Zarei Z, Modares-Sadrani SN, Noori N, Hosseinzadeh A, Iranpour S, Molaei S. Some zoonotic infectious diseases are prevalent among children under 15 years of age in Ardabil Province, northern Iran. *BMC Infectious Diseases*. **2025** Feb 21;25(1):244.
31. **Asfaram S**, Zarei Z, Teimoorpour R, Heidari Z, Iranpour S, Azghani P, Motavallibashi SE, Rakhshidan Z, Khademi Z, Mohammadi-Ghalehbin B, Habibzadeh S. Serological Evaluation and Molecular Genotyping of *Toxoplasma gondii* in Pregnant Women in Meshkin-Shahr District, Northwestern Iran. *Iranian Journal of Parasitology*. **2025** Jan; 20(1):44.
32. Asfaram S, Mashhadi Z, Barak M, Molaei S, Molaei A. Visceral leishmaniasis in leukemia patients, a great neglected disease in endemic countries: report of a retrospective study and systematic literature review. *BMC Infectious Diseases*. **2026** May 30.

## Experimental Techniques

---

- **Molecular and Cell biology:**
  - DNA extraction (phenol chloroform isoamyl alcohol)
  - Polymerase Chain Reaction (PCR), RFLP-PCR, Real-time PCR, HRM-PCR
  
- **Serology:**
  - Enzyme-linked immunosorbent (ELISA)
  - Direct agglutination test (DAT)
  - rK39 (immunochromatographic strip test)
  
- **Parasitology:**
  - Smear preparation and Gimsa staining
  - Formalin-ether concentration (parasite test)
  - Modified Ziehl–Neelsen
  - Trichrome staining method
  - Azocarmin staining
  - Culture and Microculture
  - Dob smear
  - Pepsin digestion
  - Histopathology method

## **Workshop**

---

1. “Nano Drug Delivery Systems Basic concepts workshop”. Faculty of Medical Sciences, Mazandaran University of Medical Sciences, Mazandaran, Iran. (2015)
  
2. “Sources of Error in Research Studies workshop”. Faculty of Medical Sciences, Mazandaran University of Medical Sciences, Mazandaran, Iran. (2016)
  
3. “Working with laboratory animal's workshop”. Faculty of Medical Sciences, Mazandaran University of Medical Sciences, Mazandaran, Iran. (2016)
  
4. “End note workshop”. Faculty of Medical Sciences, Mazandaran University of Medical Sciences, Mazandaran, Iran. (2016)

5. "Bioinformatics". Faculty of Medical Sciences, Tabriz University of Medical Sciences, Tabriz, Iran. (2013)

## Congress

---

1. Attended and **presented a paper** in the 1st international and 8th national congress of parasitology and parasitic diseases in Iran, 16-18 October 2012, Kerman University of medical sciences, Kerman, Iran.

**Shabnam Asfaram**, Abbas Shahbazi, Ismail Fallah, Majid Khanmohammadi, Ahmad Nematollahi, Tamochin Moharrami, Ardavan Ghazanchai

2. Participated with an **Oral presentation** entitled: "Asymptomatic human blood donors carriers of Leishmania infantum: Potential reservoirs for visceral leishmaniasis in northwestern Iran" at the 4th international & 11th national congress of parasitology & parasitic diseases of Iran (NICOPA 11) held on 9-11 October 2019 Urmia, Iran at Urmia university of medical sciences.

**Shabnam Asfaram**, Mahdi Fakhar, Mehdi Moheballi, Ahmad Mardani, Elham Sadat Banimostafavi, Hajar Ziaei Hezarjaribi, Masoud Soosaraei

3. Participated with **poster** presentation entitled: "Is the cat an important reservoir host for visceral leishmaniasis? A systematic review with meta-analysis" at the 4th international & 11th national congress of parasitology & parasitic diseases of Iran (NICOPA 11) held on 9-11 October 2019 Urmia, Iran at Urmia university of medical sciences.

4.

**Shabnam Asfaram**, Mahdi Fakhar, Saeed Hosseini Teshnizi

5. Participated with **poster** presentation entitled: "Is urine a reliable clinical sample for the diagnosis of human visceral leishmaniasis? A systematic review and meta-analysis " at the 4th international & 11th national congress

of parasitology & parasitic diseases of Iran (NICOPA 11) held on 9-11 October 2019 Urmia, Iran at Urmia university of medical sciences.

**Shabnam Asfaram**, Saeed Hosseini Teshnizi, Mahdi Fakhar, Elham Sadat Banimostafavi, Masoud Soosaraeia