Curriculum Vitae

Name: Bibi Razieh Hosseini Farash
Full Ph.D. at Medical Parasitology from Tehran University of Medical Sciences (TUMS), Tehran, Iran.

Assistant professor of Medical Parasitology
Department of Parasitology and Mycology
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Mashhad University of Medical Sciences (MUMS)
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Sex: Female

Nationality: Iranian

RESEARCH INTERESTS

My research focuses on the molecular and serological diagnosis, immunology and biotechnology of *Trypanosomatidea* family parasites specially *Leishmania*. Major research interests include the molecular biology, biotechnology, immunology, biochemistry, functional genomics and new recombinant antigens to diagnose the parasites or produce vaccines**.**

EDUCATION AND TRAINING

(Feb 2012-Oct 2017): **Ph.D. in Medical Parasitology**
Name of university: Tehran University of Medical Sciences (TUMS)
Website: www.tums.ac.ir
GPA: A+ (18.56 out of 20)
Thesis: "Preparation of recombinant antigens rK26, rK39 derived Iranian strain of *L. infantum* and their evaluation (alone and mixed) for rapid detection of visceral leishmaniasis in human and animal reservoir hosts"

Recombinant rK39 and rK26 antigens will be produced in order to increase the sensitivity and specificity of rapid detection of symptomatic and asymptomatic cases. After purification, these

two recombinants are separately and combinatory evaluated for the laboratory diagnosis of VL in humans and animal reservoirs.

The score of Ph.D. thesis: 20 out of 20

(Oct 2009-Ap 2011): **M.Sc. Degree in Medical Parasitology**
Name of university: Mashhad University of Medical Sciences (MUMS)
Website: www.mums.ac.ir
GPA: A+ (19.20 out of 20)
Thesis: "Anthroponotic Cutaneous Leishmaniosis in Torghabeh - Shandiz, a Region with Rural Texture (A Molecular Study)"
The objective of this project is to determine the situation of CL in Torghabeh – Shandiz, a district located in the southwest of Mashhad has been investigated by molecular methods and to compare results of the direct slides with the PCR on Giemsa stained slides.

(Feb 2004 – Feb 2006)**: B.Sc. in Medical Laboratory Sciences**
Name of university: Mashhad University of Medical Sciences (MUMS)
Website: www.mums.ac.ir
GPA: A+ (18.20 out of 20)

(Feb 2001– Feb 2003): **Associate degree in Medical Laboratory Sciences**
Name of university: Mashhad University of Medical Sciences (MUMS)
Website: www.mums.ac.ir
GPA: A+ (18.02 out of 20)

PUBLICATION

Books:

1. Medical Protozoology, 2010. (Co-author)
2. The final report of the research project database of Medical Parasitology, 2014. (Co-author)

Gene submissions (GenBank/NCBI data):

1. Partial sequence of nagt gene: GenBank accession number KT201383
2. Sequence of rK26 protein: GenBank accession number KY212883
3. Acanthamoeba sp. isolate T4 clone ac1t4 small subunit ribosomal RNA gene, partial sequence, GenBank: MK297910.1
4. Acanthamoeba sp. isolate T4 clone ac7t4 small subunit ribosomal RNA gene, partial sequence GenBank: MK297916.1
5. Acanthamoeba sp. isolate T4 clone ac9t4 small subunit ribosomal RNA gene, partial sequence GenBank: MK297918.1

Papers: (1–32)

1. Hosseini Farash BR, Mohebali M, Kazemi B, Fata A, Hajjaran H, Akhoundi B, et al. Validation of a mixture of rK26 and rK39 antigens from Iranian strain of Leishmania infantum to detect anti-Leishmania antibodies in human and reservoir hosts. Sci Rep [Internet]. 2022 Jun 21 [cited 2022 Sep 21];12(1):1–8. Available from: https://www.nature.com/articles/s41598-022-14490-6

2. Zarean M, Mastroeni P, Moghaddas E, Farash BRH, Raouf-Rahmati A, Jamali J, et al. Toxoplasmosis Frequency Rate in Rheumatoid Arthritis Pa-tients in Northeastern Iran. Iran J Parasitol IJP [Internet]. [cited 2022 Sep 21];17(3):325–31. Available from: https://iranjournals.nlai.ir/handle/123456789/929747

3. Najjari M, Gorouhi MA, Zarrinfar H, Hosseini Farash BR, Jamali J, Moghaddas E, et al. Impact of a health educational interventional program on reducing the head lice infestation among pupils in an elementary school of a sub-tropical region: a quasi-experimental study. BMC Pediatr [Internet]. 2022 Jul 18 [cited 2022 Sep 21];22(1):424. Available from: https://doi.org/10.1186/s12887-022-03492-y

4. Nejati Hoseini R, Berenji F, Gholami S, Zarean M, Mahmoudi M, Zemorshidi F, et al. Serological Investigation Of Anti- Toxocara Antibodies in Epileptic Patients with ELISA Method. Med J Mashhad Univ Med Sci [Internet]. 2021 Oct 23 [cited 2022 Sep 21];64(4). Available from: https://mjms.mums.ac.ir/article_19569.html

5. Berenji F, Hosseini Farash BR, Talebian M, Amini M, Sayedi SJ, Shamsian SA, et al. Different Staining Methods in Diagnosing Lophomonas blattarum in Bronchoalveolar Lavage Samples. J Patient Saf Qual Improv [Internet]. 2021 Oct 1 [cited 2022 Sep 21];9(4):245–9. Available from: https://psj.mums.ac.ir/article_19074.html

6. Fata A, Hosseini SM, Woo SJ, Zibaei M, Berenji F, Farash BRH, et al. Frequency of Toxocara Antibodies in Patients Clinically Suspected to Ocular Toxocariasis, Northeast of Iran. Iran J Parasitol [Internet]. 2021 May 28 [cited 2022 Sep 21];16(2):305–11. Available from: https://ijpa.tums.ac.ir/index.php/ijpa/article/view/2435

7. Kiani B, Budke CM, Shams Abadi E, Hashtarkhani S, Raouf Rahmati A, AkbarPour M, et al. Evaluation of zoonotic platyhelminthe infections identified in slaughtered livestock in Iran, 2015–2019. BMC Vet Res [Internet]. 2021 May 5 [cited 2022 Sep 21];17(1):185. Available from: https://doi.org/10.1186/s12917-021-02888-9

8. Khosravinia N, Fata A, Moghaddas E, Farash BRH, Sadaghat MR, Eslampour AR, et al. Diagnosis of Acanthamoeba keratitis in Mashhad, Northeastern Iran: A Gene-Based PCR Assay. Iran J Parasitol [Internet]. 2021 Feb 17 [cited 2021 Mar 13];16(1):111–21. Available from: https://ijpa.tums.ac.ir/index.php/ijpa/article/view/2476

9. Saraei M, Farash BRH, Hajialilo E. Cutaneous leishmaniasis as an increasing threat for Iranian travellers attending religious ceremonies. East Mediterr Health J Rev Sante Mediterr Orient Al-Majallah Al-Sihhiyah Li-Sharq Al-Mutawassit. 2021 Jan 23;27(1):90–5.

10. Gheisari Z, Berenji F, Nazemian F, Shamsian SAA, Jarahi L, Parian M, et al. Study of Lophomonas blattarum Infection in Kidney Transplant Patients in Mashhad City, Iran. Interdiscip Perspect Infect Dis [Internet]. 2020 Dec 17 [cited 2021 Mar 9];2020:e6631224. Available from: https://www.hindawi.com/journals/ipid/2020/6631224/

11. A patient with fever and chills, eye swelling and thrombocytopenia - Journal of Advanced Pharmacy Education and Research [Internet]. [cited 2021 Mar 13]. Available from: https://japer.in/en/article/a-patient-with-fever-and-chills-eye-swelling-and-thrombocytopenia

12. HOSSEINI FARASH BR, MOHEBALI M, KAZEMI B, HAJJARAN H, FATA A, RAOOFIAN R, et al. The rK39 Antigen from an Iranian Strain of Leishmania infantum: Detection of Anti-Leishmania Antibodies in Humans and Dogs. Iran J Parasitol [Internet]. 2020 [cited 2020 Jun 9];15(1):48–56. Available from: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7244836/

13. Farash BRH, Shamsian SAA, Mohajery M, Fata A, Sadabadi F, Berenji F, et al. Changes in the Epidemiology of Cutaneous Leishmaniasis in Northeastern Iran. Turk Parazitolojii Derg. 2020 Mar 20;44(1):52–7.

14. Aelami MH, Khoei A, Ghorbani H, Seilanian-Toosi F, Poustchi E, Hosseini-Farash BR, et al. Urinary Canthariasis Due to Tenebrio molitor Larva in a Ten-Year-Old Boy. J Arthropod-Borne Dis. 2019 Dec;13(4):416–9.

15. Pirouzi A, Forouzandeh H, Raoofi A, Ahmadi I, Abdizadeh R, Zarei E, et al. Prevalence of cutaneous leishmaniasis in different regions of Larestan and its relationship with public health condition during 2014–2015. Gene Rep [Internet]. 2019 Dec 1 [cited 2020 Jun 9];17:100530. Available from: http://www.sciencedirect.com/science/article/pii/S2452014419301724

16. Sharifi K, Sharifi K, Farash BRH, Khaledi A. Evaluation of the Sero-epidemiology of Toxoplasma gondii in Patients Visiting Ghaem Hospital, Mashhad, Iran. 21(65):42–8.

17. Fata A, Bojdy A, Maleki M, Hosseini Farash BR, Ghazvini K, Tajzadeh P, et al. Fish tank granuloma: An emerging skin disease in Iran mimicking Cutaneous Leishmaniasis. PloS One. 2019;14(9):e0221367.

18. Rahmati-Balaghaleh M, Hosseini Farash BR, Zarean M, Hatami-Pourdehno S, Mirahmadi H, Jarahi L, et al. Diagnosis of acute toxoplasmosis by IgG avidity method in pregnant women referred to health centers in south-eastern Iran. J Parasit Dis [Internet]. 2019 Sep 1 [cited 2020 Jun 9];43(3):517–21. Available from: https://doi.org/10.1007/s12639-019-01120-8

19. Youssefi MR, Moghaddas E, Tabari MA, Moghadamnia AA, Hosseini SM, Farash BRH, et al. In Vitro and In Vivo Effectiveness of Carvacrol, Thymol and Linalool against Leishmania infantum. Mol Basel Switz. 2019 May 30;24(11).

20. Farshchi S, Alikhani MY, Choresh KS, Khaledi A, Farrash BRH, Choresh KS. Prevalence of Linguatula serrata Nymphs in Goats Slaughtered in Mashhad Slaughterhouse, Iran. Avicenna J Clin Microbiol Infect [Internet]. 2018 Aug 27 [cited 2020 Jun 9];5(3):52–4. Available from: http://ajcmi.umsha.ac.ir/Article/ajcmi-1073

21. Najafpoor AA, Zarrinfar H, Ghaderifar S, Alidadi H, Esmaily H, Hajialilo E, et al. Naegleria species population found in pond water of parks in Mashhad city, Can the physicochemical factors affect it? MethodsX [Internet]. 2018 Jan 1 [cited 2020 Jun 9];5:1427–30. Available from: http://www.sciencedirect.com/science/article/pii/S2215016118301717

22. Genotyping and phylogenetic analysis of free-living amoeba (Acanthamoeba and Naegleria) in treated and untreated water in the northeastern provinces of Iran | Water Supply | IWA Publishing [Internet]. [cited 2022 Sep 21]. Available from: https://iwaponline.com/ws/article/22/3/2738/86033/Genotyping-and-phylogenetic-analysis-of-free

23. Talebian M, Berenji F, Amini M, Sayedi SJ, Shamsian A, Afzalaghaee M, et al. A Study about Clinical Symptoms and Laboratory Signs of Adult and Pediatric Patients with Lophomonas blattarum. J Res Med Dent Sci [Internet]. 2018 Dec 1 [cited 2020 Jun 9];6(1):312–7. Available from: https://www.jrmds.in/abstract/a-study-about-clinical-symptoms-and-laboratory-signs-of-adult-and-pediatric-patients-with-lophomonas-blattarum-1834.html

24. Abouhosseini Tabari M, Youssefi MR, Hosseini Farash BR, Ebrahimi MA, Nabavi Mousavi N, Moghaddas E. Anti-Leishmanial Activity of Pelargonium roseum Essential Oil on Growth of Leishmania infantum Promastigotes. Med Lab J [Internet]. 2017 Sep 10 [cited 2020 Jun 9];11(5):36–40. Available from: http://mlj.goums.ac.ir/article-1-1009-en.html

25. Hosseini Farash BR, Mohebali M, Kazemi B, Hajjaran H, Akhoundi B, Raoofian R, et al. Cloning of K26 Hydrophilic Antigen from Iranian Strain of Leishmania infantum. Iran J Public Health. 2017 Oct;46(10):1359–65.

26. Ashkanifar S, fata abdolmajid, Aalami MH, Mohebali M, jarahi lida, Amadeh M, et al. Seroepidemiologic study of asymptomatic visceral leishmaniasis among children living in rural areas of North and Central Khorasan, Iran. Med J Mashhad Univ Med Sci [Internet]. 2016 [cited 2020 Jun 9];59(5):283–92. Available from: http://mjms.mums.ac.ir/article_9298.html

27. Makki MS, Mowlavi G, Shahbazi F, Abai MR, Najafi F, Hosseini-Farash BR, et al. Identification of Hymenolepis diminuta Cysticercoid Larvae in Tribolium castaneum (Coleoptera: Tenebrionidae) Beetles from Iran. J Arthropod-Borne Dis [Internet]. 2017 May 27 [cited 2020 Jun 9];11(2):338–43. Available from: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5641622/

28. Ali S, Shamsian S, Rezaee SA., Amin A, Razieh B, Hosseini Farash BR. Molecular Identification of Leishmania tropica in an Endemic Border City for Zoonotic Cutaneous Leishmaniasis (ZCL) in Northeastern Iran. 2015 Aug 20;

29. Hoseini Farash BR, Mohajery M, Fata A, Shamsian SA, Rezaee A, Yazdanpanah MJ. Anthroponotic Cutaneous Leishmaniasis in Torghabeh - Shandiz, a Region with Rural Texture (A Molecular Study) [Internet]. Jundishapur Journal of Microbiology. 2013 [cited 2020 Jun 9]. Available from: http://sites.kowsarpub.com/articles/18609.html

30. Berenji F, Hosseini-Farash BR, Marvi-Moghadam N. A Case of Secondary Ophthalmomyiasis Caused by Chrysomya bezziana (Diptera: Calliphoridae). J Arthropod-Borne Dis. 2015 Jun;9(1):125–30.

31. Shafiei R, Mohebali M, Akhoundi B, Galian MS, Kalantar F, Ashkan S, et al. Emergence of co-infection of visceral leishmaniasis in HIV-positive patients in northeast Iran: a preliminary study. Travel Med Infect Dis. 2014 Apr;12(2):173–8.

32. Sadabadi F, Shahi M, Darroudi S, Moghadam AR, Heidari-Bakavoli S, Porsa A, et al. Serum Anti-heat Shock Protein 27 Antibody Titers in Patients With Dyslipidemia: A Population-based Case-control Study. J Inflamm Dis [Internet]. 2022 Spring [cited 2023 May 15];26(1):1–8. Available from: https://www.magiran.com/paper/2514465?lang=en

33. Shamsian SAA, Akbarzadeh A, Hosseini Farash BR, Rezaee AR. Molecular Identification of Leishmania tropica in an Endemic Border City for Zoonotic Cutaneous Leishmaniasis (ZCL) in Northeastern Iran. J Microb Exp. 2015 Aug 20;2(4):53–8.

Congress articles:

1. Lophomonas blattarum: an emerging protozoan causing respiratory infection. NTERNATIONAL CONGRESS OF LABORATORY DIAGNOSIS 2023.Virtual congress. Ardabil, Iran.2023.
2. Molecular-based detection of Leishmania species among resistant patients treated with Meglumine Antimoniate. 17th National Congress of Biochemistry and 8th International Congress of Biochemistry and Molecular Biology.Tehran, Iran.2022.
3. Protozoa infection in immunocompromised patients. 14th Professor Alborzi International Clinical Microbiology Congress & 3rd international Congress on Prevention Strategies for Healthcare-associated Infections. Mashhad, Iran. 2020.
4. Preparation of recombinant antigens rK26, rK39 derived Iranian strain of L. infantum and their evaluation (alone and mixed) for rapid detection of visceral leishmaniasis in animal reservoir hosts. 4th international & 11th congress on parasitology and parasitic diseases in Iran Urmia, Iran. October 2019.
5. Cloning, expression and production of rK39 from Iranian strain of Leishmania infantum for serodiagnosis of visceral leishmaniasis in human. 1st International Caparica Congress on Leishmaniasis. Portugal, Lisbon. October 2018.
6. Seroepidemiologic study of asymptomatic visceral leishmaniasis among children living in rural areas of North and Central Khorasan .3rd international & 10th congress on parasitology and parasitic diseases in Iran. Shiraz, Iran. November 2017.
7. Cloning, expression and production of K26 immunodominant hydrophilic antigen from Iranian strain of *L infantum* for serodiagnosis of visceral leishmaniasis in human and animal reservoir host. 27th European Congress of Clinical Microbiology and Infectious Diseases. Vienna, Austria. May 2017.
8. Identification of boundary shift for causative agents of cutaneous *leishmania* foci in northeastern Iran by immunological and molecular techniques. 6th World Congress on Leishmaniasis. Toledo, Spain. March 2017
9. The first report of visceral leishmaniasis caused by *Leishmania major* in Iran. 3nd Euro-Global conference on infectious disease. Frankfurt, Germany. September 2016.
10. PCR method in comparison of direct slides for diagnosis of Cutaneous Leishmaniasis. The 23rd Congress of infectious and tropical disease in Iran, 2015.
11. Comparison of intestinal helminthic infection in the period of 30 years in patients referred to parasitology lab of Imam Reza hospital in Mashhad. The first International and eighth Congress of Parasitology, 2012. (English)
12. Molecular diagnosis of Cutaneous Leishmaniasis in comparison of direct slides. The first International and eighth Congress of Parasitology, 2012.
13. Identification of *Leishmania* species and appointment of rate false negative in negative direct smears prepared from ulcers suspected to cutaneous leishmaniasis by PCR in Mashhad and Sarakhs. The first International and eighth Congress of Parasitology, 2012.
14. Survey of microscopic and macroscopic lesions form in suspicious patients to cutaneous leishmaniasis in the cities of Mashhad and Sarakhs. The first International and eighth Congress of Parasitology, 2012.
15. Comparison of intestinal protozoan infection in the period of 30 years in patients referred to Parasitology lab of Imam Reza hospital in Mashhad. The first International and eighth Congress of Parasitology, 2012.
16. Identification of Leishmania species causing cutaneous Leishmaniasis by PCR method in Torghabeh - Shandiz during 2009-2010. The Twentieth Congress of infectious and tropical disease in Iran, 2011.

17. Three cases of *Acanthamoeba* keratitis in Mashhad Khatam al-Anbia Hospital during 89. The third Festival of Mashhad University of Medical Sciences for Graduated Students, 2011.
18. Report of an *Acanthamoeba* Endophthalmitis in Mashhad Khatam al-Anbia Hospital. The forth Laboratory and Clinical Congress, 2011.
19. Identification of *Leishmania* species causing cutaneous Leishmaniasis by PCR method in Torghabeh - Shandiz during 2009-2010. The seventh congress of students in the east of the country, 2011.
20. Fungal prevalence infections in patients of special clinic mycology laboratory of Gaem hospital in Mashhad during 2005-2010. The seventh congress of students in the east of country, 2011.

21. Study of soil-related parasitic worm contamination in oral raw vegetables in Mashhad and effect of vegetable washing with pure water to reduce parasitic worm contaminations. The second Festival of Mashhad University of Medical Sciences for Graduate Students, 2010.
22. The study of wounds in patients with cutaneous leishmaniasis referred to Shandiz health center during six months of 88-89. The second Festival of Mashhad University of Medical Sciences for Graduate Students, 2010.

23. The effect of vegetable washing with pure water to reduce parasitic worm contaminations. The second Festival of Mashhad University of Medical Sciences for Graduate Students, 2010.
24. Epidemiology of cutaneous leishmaniasis in patients referred to the Shandiz health center (Khorasan Razavi) in the first six months of 89. The second Festival of Mashhad University of Medical Sciences for Graduate Students, 2010.
25. Prevalence of fungal infections in patients referred to Mashhad Quem hospital in 1381-1388. The Seventh Congress of Parasitology and the second Regional Conference of Parasitic Diseases in Iran, 2010.
26. Study of soil-related parasitic worm contamination in oral raw vegetables in Mashhad and effect of vegetable washing with pure water to reduce parasitic worm contaminations. The Seventh Congress of Parasitology and the second Regional Conference of Parasitic Diseases in Iran, 2010.
27. Fungal infections in patients referred to Mashhad Quem hospital during eight consecutive years. The third Laboratory and Clinical Congress, Pediatrics, 2010.
28. The study of wounds in patients with cutaneous leishmaniasis referred to Shandiz health center (Khorasan Razavi) during six months of 88-89. The third Laboratory and Clinical Congress, Pediatrics, 2010.
29. Epidemiology of cutaneous leishmaniasis in patients referred to the Shandiz health center (Khorasan Razavi) in the first six months of 89. The third Laboratory and Clinical Congress, Pediatrics, 2010.
30. Prevalence of parasitic intestinal infections in patients of special clinic parasitological laboratory of Quem hospital in Mashhad. The third congress of microbiology in Iran, 2009.
31. Fungal prevalence infections in patients of special clinic mycology laboratory of Quem hospital in Mashhad. The third congress of microbiology in Iran, 2009.
32. Prevalence of parasitic intestinal infections in patients of special clinic parasitological laboratory of Quem hospital in Mashhad. The first Festival of Mashhad University of Medical Sciences for Graduate Students, 2009.

ACADEMIC EXPERIENCE

(Nov2008– present)

	Teaching experience	level	Number of semesters
1	Helminthology and protozoology	Doctorate of Pharmacy (Phar.M.)	20* 34hr
2	Helminthology and protozoology	Laboratory sciences (B.SC)	20*34hr
3	Helminthology and protozoology	Doctorate of medicine(MD)	25*34hr
4	Helminthology and protozoology	Nursing(B.SC)	8*17hr
5	Helminthology and protozoology	Midwifery(B.SC)	2*17hr

Approved Research Project:

1. Pilot evaluation of the treatment of skin leishmaniasis with thymol loaded in the chitosan gel, as topical supplemental therapy (A RCT study). (2018-2021)
2. Detection of *Leishmania* RNA virus in lesions of patients with drug resistance and treatment failure of cutaneous leishmaniasis referred to Cutaneous Leishmaniasis Research Center in Mashhad during 1397. (2018-2021)
3. Detection of *Leishmania* RNA virus in *Leishmania* major spices in Khorasan province during 1397. (2018-2021)
4. Genotyping and haplotyping of *Leishmania* parasite with PCR sequencing and HRM method on kDNA region in northeastern Iran. (2018-2021)
5. Identification of Rodent Ectoparasites and Endoparasites in the North-East Based on Zoonotic Cutaneous Leishmaniasis in 1397. (2018-2021)
6. Investigation of phylogeny of cutaneous leishmaniasis in northeast zoonotic centers of Iran. (2018-2021)
7. Molecular study of *Cyptosporidium* and identification of species in children with clinical symptoms in Imam Reza, Ghayegh and Akbar hospitals in Mashhad. (2018-2021)
8. Investigation of *Toxoplasma gondii* infection in patients with depression and anxiety referred to Ibn Sina Hospital of Mashhad in 1397: a case-control epidemiological study. (2018-2021)
9. Serologic study of anti-toxoplasmosis antibodies in patients with cryptogenic epilepsy. (2018-2021)
10. Identification of *Lophomonas blattarum* by molecular PCR sequencing in patients with upper and lower respiratory diseases and its evaluation in comparison with direct method in Imam Reza Hospital, Ghaem Hospital and Sheikh Mashhad Hospital in 1397-1396. (2018-2021)
11. The Prevalence of *Lophomonas blattarum* in the German Beetles in the Imam Hospital of Mashhad Hospital in 1396. (2018-2021)
12. Serologic study of anti-toxocariasis antibodies in adult patients with epilepsy. (2018-2021)
13. A 15-year study of *Damodex* infection in patients referred to Imam Reza Hospital in Mashhad. (2018-2021)
14. *Blastocystis hominis* as a Risk Factor in Iron deficiency anemia in pregnant women referred to Imam Reza Hospital in Mashhad. (2018-2021)
15. Epidemiologic study of surgical cases of hydatid cyst in Khorasan Razavi during the last 5 years. (2018-2021)
16. Use of 18S rRNA Gene-Based PCR Assay for Diagnosis of *Acanthamoeba* Keratitis in suspected patients referred to Khatam-al -Anbia Hospital in Mashhad during 1394. (2015-2018)
17. The effect of the thermomed (local thermotherapy) in the treatment of cutaneous lesions anthroponotic a pilot study in Imam Reza (AS) in Mashhad during 93-94. (2014-2017)
18. Preparation of rk39 and rk26 recombinant antigens in Iranian strains of *Leishmania infantum* and evaluate them individually and combined for rapid diagnosis of visceral leishmaniasis in human and animal reservoirs. (2014-2017)

19. Seroepidemiological study of asymptomatic visceral Leishmaniasis of endemic areas of North and Razavi Khorasan Province, 2014-15. (2015-2017)
20. Diagnosis of Acute Toxoplasmosis by IgG Avidity in pregnant woman referred to health centers of Mashhad University of medical sciences during 2015. (2015-2017)
21. Serological diagnosis of ocular Toxocariasis by ELIZA method in suspected patients who referred to Khatam-al-Anbia hospital in Mashhad. (2015-2017)
22. Isolation and molecular identification of Acanthamoeba in surface stagnant waters of Mashhad. (2015-2017)

OTHER PROFESSIONAL EXPERIENCE

- A member of " **Exceptional Talent Development Center in Tehran University of Medical Sciences** "as "**an Exceptional Talent**"
- The **first rank** from the top in Iran (TUMS) at doctoral degree test in 2012.
- The **first rank** from the top in undergraduate (BSc) and graduate courses (MSc)
- The **first rank** from the top in Ph.D. courses in Health college of Tehran University of Medical Sciences .
- Work at educational and research part of Medical Parasitology and Mycology department in Mashhad School of Medicine for 3 years. **(Oct 2012-present**)

- A member of editorial board of Plose one journals.
  A member of editorial board of International Journal of Medical Reviews
- Work at laboratory of Parasitology and Mycology of Qaem Hospital in Mashhad for 3 years
- Work at Khatam al-Anbia Hospital and diagnosis of Acanthamoeba keratitis in Mashhad for 2 years. (2009-2012)
- With ۸+ years of experience in immunological and serological tests, molecular methods, biotechnology, cloning and ….

LANGUAGE AND OTHER SKILLS

Language skills
Mother tongue: Persian
English (fluently)
German (A level)

Communication skills
▪Perfect for making speech in front of a group of people quite confidentially and efficiently
▪Perfect at social relationships such as talking with people and customers in a good and respectful manner
▪Good ability to match up with new people and international environments through my study/work experience abroad
▪Ability to speak to audiences very well and confidentially
▪Hard working, fast, team player, multi-tasked and dependable

▪Ability to adapt to any environment and gain the required knowledge in short time
▪Ability to speak one-by-one or in small groups and to present information to groups of employees

INTERESTS & HOBBIES

- The first rank from the top and the gold medal in physical fitness in Mashhad city in Khorasan-e-Razavi province.