



## CURRICULUM VITAE

**Family Name:** Fallahi  
**Given Name:** Shirzad  
**Date of Birth:** 21. 09. 1979  
**Place of Birth:** Delfan Town, Lorestan Province  
**Nationality:** Iranian  
**Gender:** Male



## CONTACT PROFESSIONAL ADDRESSES

**Address:** Department of Parasitology, 2nd Floors- Faculty of Medicine, Lorestan University of Medical Sciences, Kamalvand Str., Khorramabad, Iran.

**Tel./Fax:** (0098-66) 33120133

**Cell Phone:** (0098) 9163601557

**E-Mail addresses:** [Shfupdate@gmail.com](mailto:Shfupdate@gmail.com), [Falahi.sh@lums.ac.ir](mailto:Falahi.sh@lums.ac.ir)

**ORCID ID:** 0000-0003-1826-7910

**SCOPUS ID:** 57200195921

**Researcher ID:** I-4693-2016



## **POSITIONS**

- **2006 – 2008**, *Managing Director of E-Learning Unit, Lorestan University of Medical Sciences, Khorramabad, Iran.*
- **2004 – 2009**, *Academic staff of Faculty of Medicine, Lorestan University of Medical Sciences and Health Services, Khorramabad, Iran.*
- **2009 – 2013**, *PhD Student, Department of Parasitology & Mycology, Shahid Beheshti University of Medical Sciences, Tehran, Iran.*
- **2014 - Now**, *Academic staff of Faculty of Medicine, Lorestan University of Medical Sciences and Health Services, Khorramabad, Iran.*
- **2014 - 2016**, *Head of Department of Parasitology & Mycology, Faculty of Medicine, Lorestan University of Medical Sciences and Health Services, Khorramabad, Iran.*
- **2016 - Now**, *Vice-Chancellor of Basic Sciences of the Faculty of Medicine, Lorestan University of Medical Sciences and Health Services, Khorramabad, Iran.*



## QUALIFICATION

**PhD in Medical Parasitology, (2014)** Thesis Title: *Application of Loop-Mediated Isothermal Amplification (LAMP) Technique and Comparison with Nested-PCR for the Diagnosis of Toxoplasmosis in Children with Cancer. Department of Parasitology & Mycology, Faculty of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran.*

• **MSc in Medical Parasitology, (2004)** Thesis Title: *Comparative Evaluation of Giardiasis among Primary School Children of Delfan Town by Routine Parasitological Assays and Antigen Detection. Department of Parasitology & Mycology, Faculty of Medicine, Iran University of Medical Sciences, Tehran, Iran.*

• **BSc in Veterinary Laboratory Sciences, (2002)** Department of Veterinary Sciences, University of Tabriz, Tabriz, Iran.

## RESEARCH EXPERIENCES AND SKILLS

• **In vitro**, Routine parasitology diagnostic tests (*Wet mount, concentration assays, staining, and Culture*), DNA and RNA extraction, PCR, Nested-PCR, Real Time-PCR, RFLP, Loop-Mediated Isothermal Amplification (LAMP), ELISA, Western blotting, etc.

• **In vivo**, (*animal working*); Handling, injection, surgery, and sampling

• **Computing & Statistics**, Office software, Statistics software (SPSS, Graph Pad Prism), Photoshop, Autorun software (MMB, Auto Play), Internet-searching, E-Learning, HTML, etc.

## Design training CD of Parasitology

1. Atlas of Helminthology, September, 2006

2. Atlas of Protozoology, November, 2007



## **PUBLICATIONS**

### **Books:**

1. **Fallahi Sh.**, Badparva E., Mohammadi M., *Fundamentals of Medical Protozoology*, 1<sup>st</sup> Edition, Teymourzadeh Medical Publication, Tehran, Iran, 2007, **(In Persian)**
2. Reisi V., **Fallahi Sh.** *Parasitology algorithm shortcut (Helminths and Protozoan) (with authoring questions)*. Dr. Khalili Publication, Tehran, Iran, 2019 **(In Persian)**

### **JOURNALS (Full text in English):**

1. Badparva E., **Fallahi Sh.**, Birjandi M., Pournia Y. Kayedi M.H., *Prevalence of Intestinal Parasites in the Rural Regions of Kouhdasht, Lorestan Province, Iran, 2008*, *Asian J Bio Sci.*, 2009; 2(4): 105-111.
2. Sepahvand, A., Abdi, J., Shirkhani, Y., **Fallahi, Sh.**, Tarrahi, M., Soleimannejad, S., *Dermatophytosis in western part of Iran, Khorramabad*. *Asian J Bio Sci.*, 2009; 2(3): 58-65.
3. Badparva E, **Fallahi Sh.**, Sepahvand A, Pournia Y, Rashnoo ShM., *The comparison of the efficacy of various fixatives on diverse staining methods of Giardia lamblia cyst*. *Pak. J Biol. Sci.* 2009; 12(17): 1212-6.
4. **Fallahi Sh.**, Badparva E., Mohammadi M., Ebrahimzadeh F. and Pournia Y. *Seroepidemiological Study of Toxoplasma gondii in Women Referred to Khorramabad Laboratory of Health Center for Medical Examination before Marriage, Lorestan Province, Iran, 2008-* *Asian J Bio Sci.*, 2009; 2 (3): 88-94.
5. Badparva E., Pournia Y., **Fallahi Sh.**, *Prevalence of Blastocystis hominis in Lorestan Province, West of Iran, 2010*. *Asian J Bio Sci.*, 2012; 5(1): 57-61.



**6. Fallahi Sh.,** Kazemi B, Seyyedtabaei SJ, Bandehpour M, Lasjerdi Z, Taghipour N, Zebardast N, Nikmanesh B, Omrani VF, Ebrahimzadeh F. Comparison of the RE and B1 gene for detection of *Toxoplasma gondii* infection in children with cancer. *Parasitol Int* 2014; 63: 37–41.

**7. Fallahi Sh.,** Seyyed Tabaei SJ., Pournia Y., Zebardast N., Kazemi B., Comparison of loop-mediated isothermal amplification (LAMP) and nested-PCR assay targeting the RE and B1 gene for detection of *Toxoplasma gondii* in blood samples of children with leukemia. *Diagnostic Microbiology and Infectious Disease* 2014; 79: 347–354.

**8.** Zebardast N., Haghighi A., Yeganeh F., Seyyed Tabaei SJ., Gharavi MJ., **Fallahi Sh.,** Lasjerdi Z., Salehi N., Taghipour N., Kohansal C., Naderi F. Application of Multiplex PCR for Detection and Differentiation of *Entamoeba histolytica*, *Entamoeba dispar* and *Entamoeba moshkovskii*. *Iranian J Parasitol* 2014; 9 (4): 466-473.

**9.** Rouhani S , Ebrahimi M, Rostami A, **Fallahi Sh.** Effective, appropriate, and simple culture, egg hatching, and cryopreserving of the nematode *Cheilospirura hamulosa*. *Br Poult Sci.* 2014; 55 (6): 846-849.

**10.** Mirahmadi H., **Fallahi Sh.,** Fallah Omrani V., Kazemi B., Haghighi A., Seyyed Tabaei S.J. High-Level Expression Of Immunogenic Recombinant *Plasmodium Vivax* Merozoite Surface Protein (Pvmsp-1 42 Kda) In PGEX 6P1 Vector. *Iranian Journal of Public Health.* 2015; 44(1): 89-99.

**11.** Fallah Omrani V., **Fallahi Sh.,** Rostami A., Siyadatpanah A., Barzgarpour Gh., Mehravar S., Memari F., Hajjalilani F., Joneidi Z. Prevalence of intestinal parasite infections and associated clinical symptoms among patients with end-stage renal disease undergoing hemodialysis. *Infection*, 2015; 43(5), 537-544.

**12.** Zebardast N., Gharavi MJ., Abadi A., Seyyed Tabaei SJ., Yeganeh F., Khazan H., **Fallahi Sh.,** Kohansal K., Salehi N., Naderi F., Haghighi A. Frequency of Intestinal Parasites in Patients With Gastrointestinal Disorders, in Different Parts of Iran During 2012-2013. *Int J Enteric Pathog.* 2015 February; 3(1): e22682.



13. Mirahmadi H., Spotin A., **Fallahi Sh.**, Taghipour N., Turki H., Seyyed Tabaei S.J. Cloning and Sequence Analysis of Recombinant Plasmodium vivax Merozoite Surface Protein 1 (PvMSP 142 kDa) In pTZ57R/T Vector. *Iran J Parasitol* 2015; 10:197-205.

14. **Fallahi Sh.**, Arab Mazar Z., Ghasemian M., Haghighi A. Challenging the loop-mediated isothermal amplification (LAMP) technique for the molecular detection of *Toxoplasma gondii*. *Asian Pacific Journal of Tropical Medicine* 2015; 3: 366-372.

15. Badparva E., **Fallahi Sh.**, Arab-Mazar Z., Blastocystis: Emerging Protozoan Parasite with High Prevalence in Iran. *Novelty in Biomedicine*. 2015; 3 (4), 33-39.

16. Rostami A, Taheri M, Gholizadeh M, Seyyedtabaei SJ, Raeghi S, **Fallahi Sh.** Scolicidal Effect of Some Herbs on *Echinococcus granulosus* Protoscoleces: a Systematic Literature Review. *Herbal Medicines Journal* 2016; 1 (1).

17. Nourollahpour Shiadeh M., Niyiyati M., **Fallahi Sh.**, Rostami A. Human parasitic protozoan infection to infertility: a systematic review. *Parasitology Research*. 2016; 115 (2), 469-477.

18. Arab-Mazar Z., **Fallahi Sh.**, Koochaki A., Haghighi A., Seyyed-Tabaei SJ., Immunodiagnosis and molecular validation of *Toxoplasma gondii*-recombinant dense granular (GRA) 7 protein for the detection of toxoplasmosis in patients with cancer. *Microbiological Research*, 2016; 183: 53-59.

19. Mirahmadi H., **Fallahi Sh.**, Seyyed Tabaei S.J. Soluble recombinant merozoite surface antigen-1 42 kDa of *Plasmodium vivax*: An improved diagnostic antigen for vivax malaria. *Journal of Microbiological Methods* 2016; 123: 44-50.

20. Saedi Dezaki E., Mahmoudvand H., Sharififar F., **Fallahi Sh.**, Monzote L., Ezatkah F. Chemical composition along with anti-leishmanial and cytotoxic activity of *Zataria multiflora*. *Pharmaceutical Biology*, 2016; 54 (5): 752-758.

21. Mahmoudvand H., Sharififar F., **Fallahi Sh.**, Jahanbakhsh S., Saedi Dezaki E., Fasihi Harandi M. Efficacy of *Myrtus communis* L. to inactivate the hydatid cyst protoscoleces. *Journal of Investigative Surgery*, 2016; 29 (3): 137-143.



22. Rostami A., Ebrahimi M., Mehravar S., Omrani VF., **Fallahi Sh.**, Behniafar H. Contamination of commonly consumed raw vegetables with soil-transmitted helminth eggs in Mazandaran province, northern Iran. *International journal of food microbiology* 2016; 225: 54-58.
23. Rashno MM., **Fallahi Sh.**, Kheirandish F., Bagheri Sh., Kayedi MH., Birjandi M. Seroprevalence of *Toxoplasma gondii* Infection in Patients with Alzheimer's Disease. *Archives of Clinical Infectious Diseases* 2016; 11 (3).
24. Kheirandish F., Nazari H., Mahmoudvand H., Yaseri Y., Tarahi MJ., **Fallahi Sh.**, ...Possible Link Between *Toxoplasma gondii* Infection and Mood Disorders in Lorestan Province, Western Iran. *Archives of Clinical Infectious Diseases* 2016;11 (4).
25. Aghamolaie S., Rostami A., **Fallahi Sh.**, Tahvildar Biderouni F., Haghighi A., Salehi N. Evaluation of modified Ziehl–Neelsen, direct fluorescent-antibody and PCR assay for detection of *Cryptosporidium* spp. in children fecal specimens. *Journal of Parasitic Disease*, 2016: 40 (3), 958-963.
26. Arab-Mazar Z., Fallahi Sh., Koochaki A., Mirahmadi H., Tabaei SJ., Cloning, expression and immunoreactivity of recombinant *Toxoplasma gondii* GRA5 protein. *Iranian Journal of Microbiology* 2016; 8 (5).
27. **Fallahi Sh.**, Rostami A., Mohammadi M., Ebrahimzadeh F., Pournia Y. Practical parasitology courses and infection with intestinal parasites in students. *Journal of infection and public health* 2016; 9 (5), 654-660.
28. **Fallahi Sh.**, Rostami A., Delfan B., Pournia Y., Rashidipour M. Effect of olive leaf, *Satureja khuzestanica*, and *Allium sativum* extracts on *Giardia lamblia* cysts compared with metronidazole in vitro. *Journal of Parasitic Disease*, 2016: 40 (4), 1204-1209.
29. Kheirandish F, Delfan B, **Fallahi Sh**, Kayedi MH, Rashidipour M, and Jahanbakhsh S: Leishmanicidal effects of *Olea europaea* linn. Extract against promastigote and amastigote forms of some *Leishmania* spp. *Int J Pharm Sci Res* 2017; 8(11): 4869-74. doi: 10.13040/IJPSR.09758232.8(11).4869-74.



**30.** Rashno MM., **Fallahi Sh.**, Bahrami P. Alzheimer's disease and *Toxoplasma gondii* infection; seromolecular assess the possible link among patients. *International Journal of Geriatric Psychiatry* 2017; 32 (2): 232-234.

**31.** Mahmoudvand H., Beyranvand M., Nayebzadeh H., **Fallahi Sh.**, Mirbadie SR., Kheirandish F., Kayedi MH. CHEMICAL COMPOSITION AND PROPHYLACTIC EFFECTS OF SATURJA KHUZESTANICA ESSENTIAL OIL ON ACUTE TOXOPLASMOSIS IN MICE. *African Journal of Traditional Complementary Alternative Medicine* 2017; 14(5): 49-55.

**32.** **Fallahi Sh.**, Rostami A., Birjandi M., Zebardast N., Kheirandish F., Spotin A. Parkinson's disease and *Toxoplasma gondii* infection: Sero-molecular assess the possible link among patients. *Acta Tropica* 2017; 173: 97–101.

**33.** Kayedi, M.H., Khamisabadi, K., Haghdoost, A.A., (...), **Fallahi Sh.**, Abdali, N. Short and long term evaluation of the efficiency of permanet®2.0 bed net against environmental factors and washing using bioassay tests. *Revista do Instituto de Medicina Tropical de Sao Paulo* 2017; 59,e18.

**34.** Seyyedtabaei, S.J., Rostami, A., Haghighi, A., (...), **Fallahi, Sh.**, Spotin, A. Detection of potentially diagnostic *Leishmania* antigens with western blot analysis of sera from patients with cutaneous and visceral leishmaniases. *Iranian Journal of Parasitology* 2017;12(2), pp. 206-214.

**35.** Malekshahi, F., **Fallahi, Sh.**, Mohseni, M., Almasian, M. Comparison of two topical medications, on pain relief due to fistula cannulation in hemodialysis patients. *Marmara Pharmaceutical Journal*. 2017; 21(4): pp. 1002-1009.

**36.** Valizadeh, M., Haghpanah, B., Badirzadeh, A., (...), **Fallahi, Sh.**, Raeghi, S. Immunization of sheep against *Echinococcus granulosus* with protoscolex tegumental surface antigens. *Veterinary World*. 2017; 10(8), pp. 854-858.

**37.** Ghodrati, M., Spotin, A., Hazratian, T., (...), **Fallahi, Sh.**, Parvizi, P. Diagnostic accuracy of loop-mediated isothermal amplification assay as a field molecular tool for rapid mass screening of old world *leishmania* infections in sand flies and in vitro culture. *Iranian Journal of Parasitology*. 2017; 12(4), pp. 506-515.





- 38.** Spotin, A., Karamat, M., Mahami-Oskoue, M., (...), Galeh, T.M., **Fallahi, Sh.** Genetic variability and transcontinental sharing of *Giardia duodenalis* intrapopulation determined by glutamate dehydrogenase gene. *Acta Tropica*, 2018; 177, pp. 146-156.
- 39.** **Fallahi, Sh.**, Rostami, A., Nourollahpour Shiadeh, M., Behniafar, H., Paktinat, S. An updated literature review on maternal-fetal and reproductive disorders of *Toxoplasma gondii* infection. *Journal of Gynecology Obstetrics and Human Reproduction*, 2018; 47(3), pp. 133-140.
- 40.** Kheirandish, F., Mosaffa, N., Tarahi, M.J., **Fallahi, Sh.** Olive (*Olea europaea*) leaf extract alters the cytokine profile of *Leishmania major*-infected macrophages: New insight into the underlying mechanism. *Parasite Immunology*. 2018; 40(4), e12520.
- 41.** **Fallahi, Sh.**, Moosavi, S.F., Karimi, A., (...), Tarrahi, M.J., Almasian, M. An advanced uracil DNA glycosylase-supplemented loop-mediated isothermal amplification (UDG-LAMP) technique used in the sensitive and specific detection of *Cryptosporidium parvum*, *Cryptosporidium hominis*, and *Cryptosporidium meleagridis* in AIDS patients. *Diagnostic Microbiology and Infectious Disease*, 2018; 91(1), pp. 6-12.
- 42.** Rostami, A., Karanis, P., **Fallahi, Sh.** Advances in serological, imaging techniques and molecular diagnosis of *Toxoplasma gondii* infection. *Infection*, 2018; 46(3), pp. 303-315.
- 43.** Malekshahi, F., Aryamanesh, F., **Fallahi, Sh.** The effects of massage therapy on sleep quality of patients with end-stage renal disease undergoing hemodialysis. *Sleep and Hypnosis*, 2018; 20(2), pp. 91-95.
- 44.** Mousavi, P., Mirhendi, H., Mohebbali, M., (...), **Fallahi, Sh.**, Mamishi, S. Detection of *Toxoplasma gondii* in acute and chronic phases of infection in immunocompromised patients and pregnant women with real-time PCR assay using TaqMan fluorescent probe. *Iranian Journal of Parasitology*, 2018; 13(3), pp. 373-381.
- 45.** Mousavi P, Mirhendi H, Keshavarz Valian H, Shojaee S, **Fallahi Sh**, Farhang A, Mohaghegh MA, Jafari R. Development of Sensitive Nested Real-time PCR for Diagnosis of Acute and Chronic Phases of Toxoplasmosis in Mice Model. *Journal of Bacteriology & Parasitology*, 2018; 9, 4.



46. Arab-Mazar, Z., **Fallahi, S.**, Yadegarynia, D., (...), Rajaeian, S., Roodsari, S.R. Immunodiagnosis and molecular validation of *Toxoplasma gondii* infection among patients with end-stage renal disease undergoing hemodialysis. *Parasitology*, 2019; Article in Press
47. Hanifehpour, H., Samsam Shariat, S.K., Ghafari, M.S., (...), Saber, V., **Fallahi, S.** Serological and molecular diagnosis of *toxoplasma gondii* infections in thalassemia patients. *Iranian Journal of Parasitology*, 2019; 14(1), pp. 20-28.
48. Rashno, M.M., **Fallahi, S.**, Arab-Mazar, Z., Dana, H. Seromolecular assess of *Toxoplasma gondii* infection in pregnant women and neonatal umbilical cord blood. *EXCLI Journal*, 2019;18, pp. 1-7.
49. Malekshahi, F., Rezaian, J., Fallahi, S., Almasian, M. Nurses' viewpoints on implementation of continuing education programs at hospitals. *Journal of Medicine (Bangladesh)*, 2019; 20(2), pp. 80-86.
50. Rahimi Esboei, B., Kazemi, B., Zarei, M., **Fallahi S.**, (...), Mahmoudzadeh, R., Salabati, M. Evaluation of RE and B1 Genes as Targets for Detection of *Toxoplasma gondii* by Nested PCR in Blood Samples of Patients with Ocular Toxoplasmosis. *Acta Parasitologica*, 2019; 64(2), pp. 384-389.
51. Ghodsian, S., Rouhani, S., **Fallahi, S.**, Seyyed-Tabaei, S.J., Taghipour, N. Detection of spiked *Fasciola hepatica* eggs in stool specimens using LAMP technique. *Iranian Journal of Parasitology*, 2019; 14(3), pp. 387-393.
52. Kheirandish, F., Ezatpour, B., **Fallahi, S.**, (...), Tabaei, S.J.S., Akbari, S. *Toxoplasma* serology status and risk of miscarriage, a case-control study among women with a history of spontaneous abortion. *International Journal of Fertility and Sterility*, 2019; 13(3), pp. 184-189.
53. Nasirpour, S., Kheirandish, F., **Fallahi, S.** Depression and *Toxoplasma gondii* infection: assess the possible relationship through a seromolecular case-control study. *Archives of Microbiology*, 2020; Article in Press
54. Valian, H.K., Mirhendi, H., Mohebal, M., **Fallahi, S.**, (...), Kheirandish, F., Mousavi, Comparison of the RE-529 sequence and B1 gene for *Toxoplasma gondii* detection in blood



*samples of the at-risk seropositive cases using uracil DNA glycosylase supplemented loop-mediated isothermal amplification (UDG-LAMP) assay. Microbial Pathogenesis, 2020; 140,103938.*

**55. Fallahi, S., Babaei, M., Rostami, A., (...), Arab-Mazar, Z., Sepahvand, A.** *Diagnosis of Candida albicans: conventional diagnostic methods compared to the loop-mediated isothermal amplification (LAMP) assay. Archives of Microbiology, 2020; 202(2), pp. 275-282.*

**56. Soltani Tehrani, B., Mirzajani, E., Fallahi, S., (...), Eskandari, V., Zebardast, N.** *Challenging TaqMan probe-based real-time PCR and loop-mediated isothermal amplification (LAMP): the two sensitive molecular techniques for the detection of toxoplasmosis, a potentially dangerous opportunistic infection in immunocompromised patients. Archives of Microbiology, 2020; 202(7), pp. 1881-1888.*

**57. Mirahmadi, H., Hasanzadeh, R., Malek Raeesi, H., Fallahi, S., Khoshsima Shahraki, M., Badirzadeh, A.** *Loop-mediated isothermal amplification (Lamp) assay to detect toxoplasmosis in schizophrenia patients. Iranian Journal of Parasitology, 2020, 15(3), pp. 299-306.*

**58. Fallahi, S., Kheirandish, F., Mahmoudvand, H., ...Rouzbahani, A.K., Akbari, S.** *A loop-mediated isothermal amplification (LAMP) assay for detection of Toxoplasma gondii infection in women with spontaneous abortion. Archives of Microbiology, 2021, 203(2), pp. 763–769.*

**59. Azimian, H., Shokrani, H., Fallahi, S.** *Molecular evaluation of Toxocara species in stray cats using loop-mediated isothermal amplification (lamp) technique as a rapid, sensitive and simple screening assay. Veterinary Medicine and Science, 2021, 7(3), pp. 647-653.*

**60. Amiri, S., Shemshadi, B., Shirali, S., Kheirandish, F., Fallahi, S.** *Accurate and rapid detection of Fasciola hepatica copro-DNA in sheep using loop-mediated isothermal amplification (LAMP) technique. Veterinary Medicine and Science, 2021, 7(4), pp. 1316-1324.*

**61. Kavousipour, S., Barazesh, M., Mohammadi, S., Fallahi, S., Shakarami, A., Hajmohammadi, Z.** *In silico evaluation of various signal peptides to improve secretion of humulin protein in E. coli host. Current Proteomics, 2021, 18(3), pp. 390-402.*



62. Amiri, S., Shemshadi, B., **Fallahi, Sh.**, Shirali, S. *Detection of Fasciola hepatica in Iori sheep using polymerase chain reaction and conventional diagnostic methods in western Iran. Archives of Razi Institute, 2021, 76(2), pp. 223-229.*

63. Arab-Mazar, Z., Javadi Mamaghani, A., **Fallahi, S.**, ...Seyyed Tabaei, S.J., Rezaee, H. *Immunodiagnosis and molecular validation of Toxoplasma gondii-recombinant dense granular (GRA) 5 protein for the detection of toxoplasmosis in hemodialysis patients. Seminars in Dialysis, 2021, 34(5), pp. 332-337.*

64. Yusefi, M., Arab-Mazar, Z., **Fallahi, S.**, ...Rouzbahani, A.K., Kheirandish, F. *Diagnosis of Toxoplasma Infection in Allogenic Pre HCTSP-Patients Using Molecular Methods. Iranian Journal of Parasitology, 2022, 17(2), pp. 231-239.*

65. Sepahvand, F., Mamaghani, A.J., ...Ezatpour, B., Zebardast, N. **Fallahi, S.** *Gastrointestinal parasites in immunocompromised patients; A comparative cross-sectional study. Acta Tropica, 2022, 231, July, 106464.*

66. Badparva, E., Javadi Mamaghani, A., ...Kheirandish, F., Ebrahimzadeh, F. **Fallahi, S.** *Development and evaluation of a loop-mediated isothermal amplification (LAMP) technique for rapid, accurate, and specific detection of Blastocystis spp. in AIDS patients. Infection, 2022, 50(5), pp. 1295-1302.*

67. Malekshahi, A., Khanizadeh, S., **Fallahi, S.**, ...Birjandi, M., Hajizadeh, F. *Diagnostic power of one-step and two-step RT-qPCR methods to SARS-CoV-2 detection. BMC Infectious Diseases, 2022, 22(1), 505.*



68. Rahimi Esboei, B., **Fallahi, S.**, Zarei, M., ...Salabati, M., Keshavarz Valian, H. Utility of blood as the clinical specimen for the diagnosis of ocular toxoplasmosis using uracil DNA glycosylase-supplemented loop-mediated isothermal amplification and real-time polymerase chain reaction assays based on REP-529 sequence and B1 gene. *BMC Infectious Diseases*, 2022, 22(1), 89.

69. Cheraghipour, K., Rouzbahani, A.K., **Fallahi, S.**, ...Lashgarian, H.E., Marzban, A. Recent Advances in Therapeutic Strategies against Hydatid Cysts using Nanomaterials: A Systematic Review. *Letters in Drug Design and Discovery*, 2023, 20(9), pp. 1185-1193.

70. Shakib, P., Marzban, A., Mardanshah, O., **Fallahi, S.**, ...Azarhazin, M., Cheraghipour, K. New Strategies in the Treatment of *Plasmodium berghei* Based on Nanoparticles: A Systematic Review. *Current Pharmaceutical Biotechnology*, 2023, 24(11), pp. 1376-1382.

71. Talebi, R., Javadi Mamaghani, A., ...Kheirandish, F., Zebardast, N., **Fallahi, S.** Molecular evaluation of *Cryptosporidium* spp. among breeding calves of Lorestan province Western Iran. *Veterinary Medicine and Science*, 2023, 9(1), pp. 363-371.

72. Bafandeh, E., Kheirandish, F., ...Hosseini, S.Z., **Fallahi, S.**, Rouzbahani, A.K. Expression analysis of DHFR and PTR1 genes in *Leishmania major* expose to olive leaf extract. *South African Journal of Botany*, 2023, 157, pp. 520-524.

73. Karimi, A., Kheirandish, F., ...Javadi Mamaghani, A., Faraji, M., **Fallahi, S.** Identification and genotyping of *Acanthamoeba* spp. in the water resources of western Iran. *Parasite Epidemiology and Control*, 2023, 22, e00308.

74. Khanizadeh, S., Malekshahi, A., ...Hanifehpour, H., Birjandi, M. **Fallahi, S.** Rapid, sensitive, and specific detection of SARS-CoV-2 in nasopharyngeal swab samples of suspected patients using a novel one-step loop-mediated isothermal amplification (one-step LAMP) technique. *BMC Microbiology*, 2023, 23(1), 63.



## **JOURNALS (Full text in Persian):**

1. **Fallahi Sh.**, Badparva E, Nahrevanian H, Chegeni Sharafi A, Ebrahimzadeh F: Prevalence of Intestinal Parasites in HIV+ and AIDS Patients, Khorramabad 2006. *Yafteh (Journal of Lorestan University of Medical Sciences)*, 2007; 9(2): 39-47.
2. **Fallahi Sh.**, Gharavi M.J., Gharagozlu B., Sapahvand A., Mahuti F., Comparative Evaluation of Giardiasis Among Primary School's Children of Delfan town by routine parasitological assays and Antigen Detection. *Yafteh Journal*, 2008,9(4), pp.45-49.
3. Mohammadi M., Mirjalili A., Habibi G.R., **Fallahi Sh.**, Sarrafnejad A., Etemadi A., Butorabi S.M., Separation of Anti-Ds DNA IgG by Indirect ELISA with calf thymus and E-coli Ds-DNA Sources. *Journal of Medicine Faculty, Tehran University of Medical Sciences*, 2009; 67(1): 25-32.
4. **Fallahi Sh.**, Badparva E, Nahrevanian H, Mohammadi M, Chegeni Sharafi A, Ebrahimzadeh F: Comparison of the prevalence of Intestinal Parasites in HIV+ and AIDS Patients in Khorramabad city in 2006-2007. *Journal of Kerman University of Medical Sciences*, 2009; 16(2): 166-172.
5. Badparva E., **Fallahi Sh.**, Aminizadeh H., Ebrahimzadeh F., Prevalence of Enterobius vermicularis Among Primary School's Children of Kouhdasht Town Lorestan Province Iran, 2007-2008. *Tebbe Jonub*. 2009, 12(1), pp. 75-80.
6. Mohammadi M., Hoseinzadegan H., **Fallahi Sh.**, Birjandii M., Azadpour M., Movahedi F. Evaluation of infection rate of HIV and HCV in suspected patients referred to Shohadaye Ashayer Hospital of Khorramabad 2007, *Yafteh (Journal of Lorestan University of Medical Sciences)*, 2009; 11(1): 55-61.
7. Malekshahi F, **Fallahi Sh.** Parent's Mentally Retarded Child Psycho-Social Problems Covered by Welfare Centers Khorramabad 2013. *yafte*. 2016; 18 (3):42-51.



8. Faraji M., Maghsood A., **Falahi Sh.**, Chegeni Sharafi A., Karimi A., Lasjerdi Z., Fallah M. Faraji Frequency and Genotyping of *Acanthamoeba* Species in the Swimming Pools and Ponds of Khoramabad, Iran, in 2016. *Scientific Journal of Hamadan University of Medical Sciences* No 85, Volume 24, Issue 3, Autumn 2017, Pages: 236-243.

9. Seyyed Tabaei SJ, Yadegarynia D, Arab-Mazar Z, Rajaeian S, **Falahi Sh.** Prevalence of the *Toxoplasma gondii* IgM and IgG antibodies in hemodialysis patients in selected hemodialysis centers of Tehran city in 2016. *Yafte.* 2018; 20(1):78-84.

10. Mirahmadi M., Yazdani A., **Falahi S.**, Kazemipour N., Determination of the prevalence and type of plasmodium in mosquitoes present in the city of Nik Shahr, Southern Sistan and Baluchestan Province, IR Iran, by Multiplex Nested-PCR. *Yafte.* 2018; 20(4): 63-73.

11. **Falahi S.**, Chahichi Isfahan M., Khairandish F., Birjandi M., Hashemzadeh P. Evaluation of Knowledge of Students of the Lorestan University of Medical Sciences about Congenital Toxoplasmosis. *Yafte.* 2021; 23(3): 147-157.

12. Mirzaei M., Khairandish F., **Falahi S.**, Epidemiology study of intestinal parasites among the applicants to receive health card in Borujerd in 2020. *Yafte.* 2022; 24(1): 75-83.

## **PROJECTS**

**Principal investigator (PI), Co-investigator (Co-I)**

1. **2005-2006**, Evaluation of Prevalence of Cutaneous Leishmaniosis in Lorestan Province (Co-I)

2. **2006-2007**, Prevalence of Intestinal Parasites in HIV+ and AIDS Patients Khorramabad City, Lorestan, Iran (PI)

3. **2007-2008**, Prevalence of *Enterobius vermicularis* among Primary School Children of Kouhdasht Town Lorestan Province Iran (Co-I)

4. **2007-2008**, Prevalence of Intestinal Parasites among Primary School Children of Kouhdasht Town Lorestan Province Iran (Co-I)





**5. 2008-2009, Distribution of Intestinal Parasites among Students Taking Practical Parasitology Courses and Comparison with Control Groups in Lorestan University of Medical Sciences, West Iran, 2006 (PI)**

**6. 2008-2009, Effect of *Satureja khuzestanica*, Olive leaf, and *Allium sativum* extracts on *Giardia lamblia* Cysts and Comparison with Metronidazole, In-Vitro (PI)**

**7. 2009-2010, Sero-epidemiological Evaluation of Toxoplasmosis among Women Referred to Hygiene Centers of Khorramabad before Marriage. (PI)**

**8. 2013-2014, Comparison of loop-mediated isothermal amplification (LAMP) and nested-PCR assay targeting the *RE* and *B1* gene for detection of *Toxoplasma gondii* in blood samples of children with leukemia. (PI)**

**9. 2014-2015, Application of Loop-mediated isothermal amplification (LAMP) technique for the diagnosis of cryptosporidiosis in HIV-positive and AIDS patients of Khorramabad town. (PI)**

**10. 2014-2015, Application and comparison of Loop-mediated isothermal amplification technique with ELISA and Real-time time-PCR for the diagnosis of toxoplasmosis in pregnant women. (PI)**

**11. 2015-2016, Evaluation of the relationship between Parkinson's disease and toxoplasmosis in patients in Khorramabad, 2015. (PI)**

**12. 2015-2016, Molecular evaluation of infection with *Toxoplasma gondii* in cats of Khorramabad town 2015. (PI)**

**13. 2015-2016, Evaluation of extracts and effective materials of Olive leaf and *Satureja khuzestanica* on *Toxoplasma gondii* tachysoites in-vitro. (PI)**

**14. 2015-2016, Evaluation of contamination of waterfalls and surface water of Lorestan province with *Acanthamoeba* Spp., 2015. (C0-I)**

**15. 2016-2017, Application of Loop-mediated isothermal amplification (LAMP) technique for the diagnosis of cryptosporidiosis in HIV-positive and AIDS patients of Khorramabad town (PI)**





**16. 2016-2017, Application and comparison of Loop-mediated isothermal amplification technique with ELISA and Real time-PCR for the diagnosis of toxoplasmosis in pregnant women (PI)**

**17. 2016-2017, Evaluation of extracts and effective materials of Olive leaf and Satureja khuzestanica on Toxoplasma gondii tachyzoites in-vitro (PI)**

**18. 2017-2018, Evaluation of prevalence of Blastocystis hominis in HIV-positive and AIDS patients of Khorramabade town by LAMP technique (Co-I)**

**19. 2017-2018, Evaluation of the relationship between Parkinson's disease and toxoplasmosis in patients in Khorramabad, 2015 (PI)**

**20. 2017-2018, Molecular evaluation of infection with Toxoplasma gondii in cats of Khorramabad town 2015 (PI)**

**21. 2018-2019, Seroepidemiology of Toxoplasmosis in women of Dorud City, Lorestan Province, Western Iran (PI)**

**22. 2018-2019, Molecular frequency of Toxoplasma gondii in serum-positive hemodialysis patients (IgM or IgG positive) in selected hospitals in Tehran (PI)**

**23. 2018-2019, Prevalence of Microsporidia infection in AIDS patients in Khorramabad (PI)**

**24. 2018-2019, Prevalence of Leishmania parasite in wild rodents caught in Lorestan province in 2018 by molecular method**

**25. 2019-2020, Evaluation of congenital toxoplasmosis knowledge in final year students related to pregnant women in Lorestan University of Medical Sciences in the second semester of 2017 (PI)**

**26. 2019-2020, Molecular frequency of Toxoplasma gondii in wild rodents of Lorestan province in 2018 using PCR diagnostic technique (PI)**

**27. 2019-2020, Prevalence of Cryptosporidium species in breeding calves in Khorramabad city using molecular methods in 1998 (PI)**



**28. 2019-2020**, *Evaluation of chemical composition, toxicity, and effect of essential oil of Myrtus communis on acute toxoplasmosis in a mouse model (Co-I)*

**29. 2020-2021**, *Prevalence of Strongyloides stercoralis infection in immunodeficiency patients referred to selected hospitals in Tehran in 2019 (PI)*

**30. 2020-2021**, *Evaluation of the diagnostic value of loop-mediated isothermal replication (RT-LAMP) technique in comparison with Real time-PCR for coronavirus (COVID-19) detection (PI)*

**31. 2020-2021**, *The effect of olive leaf extract on the expression of DHFR and PTR1 genes in Leishmania major (Co-I)*

**32. 2020-2021**, *Evaluation of brain-derived neurotrophic factor gene expression in mice infected with chronic toxoplasmosis (Co-I)*

**33. 2021-2022**, *Isolation, identification, and identification of Acanthamoeba strains isolated from cancer, hemodialysis, burn, and HIV/AIDS patient control center in Khorramabad city in 2021 (PI)*

**34. 2021-2022**, *Investigation of seroepidemiology of hydatid cyst in Afghan immigrants and the contamination of stray dogs where they live with fecal DNA of Echinococcus granulosus in Kerman city in 2021 (PI)*

**35. 2022-2023**, *Investigation of the frequency of Acanthamoeba contamination in the water coolers of Khorram Abad city (Lorestan province) in 2022 (PI)*

**36. 2022-2023**, *Investigation of the prevalence of vaginitis caused by Trichomonas vaginalis and Candida albicans in married women referring to health centers in Khorramabad city in 2022 (PI)*

**37. 2022-2023**, *Comparison of PCR and LAMP techniques in the diagnosis of Strongyloides stercoralis (Co-I)*



## **COLLABORATION WITH WORKSHOPS, CONGRESS AND TRAINING COURSES**

- 1. Holding the 7<sup>th</sup> Quality control workshop** of parasitology, Laboratory Sciences Research Center, Tehran University of Medical Sciences, Tehran, Iran, September 2004.
- 2. Holding the first educational and operating workshop** of parasitology, Tamine Ejtemaeii Hospital of Khorramabad, Lorestan University of Medical Sciences, Khorramabad, Iran, July 2009.
- 3. Holding the 2nd Educational and operating workshop** of parasitology, NargesTamine Ejtemaeii Hospital of Doroud, Lorestan University of Medical Sciences, Khorramabad, Iran, December 2009.
- 4. Holding the workshop** on E-Learning, Lorestan University of Medical Sciences, Khorramabad, Iran, June 2009.
- 5. Executive Committee member** of The 4<sup>th</sup> Congress of Laboratory and Clinic, Shahid Beheshti University of Medical Sciences, Tehran, Iran, December 2012.
- 6. Holding the Workshop** on “Loop-mediated isothermal Amplification (LAMP) technique” and the **Executive committee member** of 2<sup>nd</sup> International and 9<sup>th</sup> National Congress of Parasitology and Parasitic Diseases of Iran - NICOPA9, Guilan University of Medical Sciences, May 2015.
- 7. Holding the Workshop** on “Loop-mediated isothermal Amplification (LAMP) technique” and the **Scientific Committee Member** of the 16<sup>th</sup> International and Iranian Congress of Microbiology, Shahid Beheshti University, August 2015.
- 8. Holding the Workshop** on “Loop-mediated isothermal Amplification (LAMP) technique” and the **Scientific Committee Member** of the 5<sup>th</sup> Iranian Congress of Prevention of Medical Errors, Lorestan University of Medical Sciences, Khorramabad, Iran. January 2016.



## **NATIONAL & INTERNATIONAL CONGRESS:**

- 1.** *Anti-giardial Effects of Intestinal Enterocyte's NO and Competition for Arginine absorbance, as Determinant Index of Host Defense against Giardia lamblia. The 13<sup>th</sup> Iranian Congress on Infectious Diseases and Tropical Medicine. 11-15 Dec.2004, Tehran University of Medical Sciences, Tehran, Iran.*
  
- 2.** *Evaluation of Prevalence of Cutaneous Leishmaniosis in Lorestan Province, 2005. The First Iranian Congress of Clinical Microbiology, 8-10 Oct 2007, Alborzi Microbiology Research Center, Shiraz, Iran.*
  
- 3.** *Comparison of the prevalence of Intestinal Parasites in HIV+ and AIDS Patients in Khorramabad city in 2006-2007. The 2<sup>nd</sup> Laboratory and Medicine Congress, 13-16 May 2008, Tehran University of Medical Sciences, Tehran, Iran.*
  
- 4.** *Prevalence of Intestinal Parasites in HIV+ and AIDS Patients Khorramabad 2006, The 6<sup>th</sup> National and The First Regional Congress of Parasitology and Parasitic Diseases, 27-29, May 2008, Tehran University of Medical Sciences, Tehran, Iran.*
  
- 5.** *Comparative Evaluation of Giardiasis among Primary School's Children of Delfan Town by routine parasitological assays and Antigen Detection. The First National Congress of Healthy Community, 24-25 December 2008, Lorestan University of Medical Sciences, Khorramabad, Iran.*
  
- 6.** *Determination of Sensitivity of Direct Detection Method of Trichomonas vaginalis by Vaginal Discharge and Dorse Culture Medium. The First National Congress of Healthy Community, 24-25 December 2008, Lorestan University of Medical Sciences, Khorramabad, Iran.*
  
- 7.** *Study of HIV and HCV Co-infection in Patients Referred to Shohadye Ashayer Hospital of Khorramabad, 2007. The 2<sup>nd</sup> Iranian Congress of Clinical Microbiology, 7-9 Oct. 2008, Alborzi Microbiology Research Center, Shiraz, Iran.*



**8.** *Distribution of Intestinal Parasites among Students Taking Practical Parasitology Courses and Comparison with Control Groups in Lorestan University of Medical Sciences, West Iran, 2006. The 3<sup>rd</sup> Iranian Congress of Clinical Microbiology, 6-8 Oct. 2009, Alborzi Microbiology Research Center, Shiraz, Iran.*

**9.** *The Effect of Various Fixatives on Staining Giardia lamblia Cyst using Different Methods. The 3<sup>rd</sup> Iranian Congress of Clinical Microbiology, 6-8 Oct. 2009, Alborzi Microbiology Research Center, Shiraz, Iran.*

**10.** *Effect of Satureja khuzestanica, Olive leaf, and Allium sativum extracts on Giardia lamblia Cysts and Comparison with Metronidazole. The 7<sup>th</sup> National and 2<sup>nd</sup> Regional Congress of Parasitology and Parasitic Diseases, 14-17 Oct. 2010, Tehran University of Medical Sciences, Tehran, Iran.*

**11.** *Challenging the loop-mediated isothermal amplification (LAMP) technique for the molecular detection of Toxoplasma gondii. The 7<sup>th</sup> International Congress of Laboratory and Clinic and 1<sup>st</sup> Conference of Clinical Virology, 12-14 Feb. 2015, Razi International Conferences Center, Tehran, Iran.*

**12.** *Practical parasitology courses and infection with intestinal parasites in the students. The 2<sup>nd</sup> International and 9<sup>th</sup> National Congress of Parasitology and Parasitic Diseases of Iran - NICOPA9, Guilan University of Medical Sciences, May 2015.*

**13.** *Application of loop-mediated isothermal amplification (LAMP) technique and comparison with nested PCR assay for detection of Toxoplasma gondii. The 2<sup>nd</sup> International and 9<sup>th</sup> National Congress of Parasitology and Parasitic Diseases of Iran - NICOPA9, Guilan University of Medical Sciences, May 2015.*

**14.** *Prevalence of intestinal parasite infections and associated clinical symptoms among patients with end-stage renal disease undergoing hemodialysis. The 16<sup>th</sup> International and Iranian Congress of Microbiology, Shahid Beheshti University, August 2015.*

**15.** *Loop-mediated isothermal Amplification (LAMP) technique and its application in molecular diagnosis. The 5<sup>th</sup> Iranian Congress of Prevention of Medical Errors, Lorestan University of Medical Sciences, Khorramabad, Iran. January 2016.*



**16.** *Alzheimer's disease and Toxoplasma gondii infection; Evaluation of the relationship among the patients. 12<sup>th</sup> European Multicolloquium of Parasitology. 20-24<sup>th</sup> July 2016, Turku, Finland.*

**17.** *Immunodiagnosis and molecular confirmation of Toxoplasma gondii infection among patients with end-stage renal disease undergoing hemodialysis. The 26th International Conference of the World Association for the Advancement of Veterinary Parasitology (WAAVP 2017), 4–8 Sept 2017, Kuala Lumpur Convention Centre, Malaysia.*

**18.** *Uracil DNA glycosylase-supplemented loop-mediated isothermal amplification (UDG-LAMP) technique for sensitive and specific detection of Cryptosporidium spp. 3<sup>rd</sup> International & 10<sup>th</sup> National Congress of Parasitology & Parasitic Diseases of Iran (NICOPA 10) Shiraz, Iran: 1-3 November 2017.*

**19.** *Evaluation of the diagnostic value of loop-mediated isothermal replication (RT-LAMP) technique in comparison with Real-time for coronavirus (COVID-19) detection, 33<sup>rd</sup> European Congress of Clinical Microbiology & Infectious Diseases, Copenhagen, Denmark, 15 –18 April 2023.*

## **MEMBERSHIP OF PROFESSIONAL SOCIETIES**

1. *Iranian Society for Parasitology (ISP), Since 2006.*
2. *European Society of Clinical Microbiology (ESCMID) since 2015.*

## **LANGUAGES:**

### **English Language Certificates:**

**2004, 2007, 2009**, MCHC by Ministry of Science, Research and Technology, Tehran, Iran.

### **Other languages:**

**Persian:** Writing, Reading & Speaking

**Arabic:** Writing & Reading

**Kurdish:** Reading & Speaking