



Tabriz University of Medical Sciences (TUOMS)
Faculty of Medicine
Curriculum Vitae

PERSONAL INFORMATION

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CURRENT STATUS

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EDUCATIONAL BACKGROUND

2007 – 2011 Ph.D Medical Parasitology, Tarbiat Modares University, Tehran, Iran
2010 – 2011 Scholastic Competence Course, Tarbiat Modares University, Tehran, Iran
2002- 2005 MSc Medical Parasitology, Tehran University of Medical Sciences, Tehran, Iran
1996- 2001 BSc Medical Laboratory Sciences, Tabriz University of Medical Sciences, Tabriz, Iran

MSc Thesis title: Seroepidemiological survey of visceral leishmaniasis (kala-azar) in Germe district, Ardabil province.

Ph.D Thesis title: Molecular Characterization of *Fasciola* spp. isolates from cattle and sheep using ITS(rDNA) region

WORKSHOPS

1. Real Time PCR: principle and applications. Workshop by Biotechnology Research Center, Tabriz University of Medical Sciences, 7-8 April 2007, Tabriz, Iran.
2. Phylogenetics and applications in genomics. Workshop by Tarbiat Modares University, 18-19 July 2009, Tehran, Iran.
3. Academic Skills. Course by Tabriz University of Medical Sciences, February-August 2012, Tabriz, Iran.
4. English for Academic Purposes. Workshop by Tabriz University of Medical Sciences, September 2012, Tabriz, Iran.
5. DNA Vaccines. Workshop by Kerman University of Medical Sciences, 18 October 2012, Kerman, Iran.
6. Basic Principles of Sample Size Calculation in Clinical Research. Workshop by Research Vice Chancellor, Tabriz University of Medical Sciences, 8-9 September 2013, Tabriz, Iran.
7. Principles of Article Reviewers. Workshop by Research Vice Chancellor, Tabriz University of Medical Sciences, 3 October 2013, Tabriz, Iran.
8. Plagiarism and Ethics in Scientific Publishing. Workshop by Research Vice Chancellor, Tabriz University of Medical Sciences, 6 March 2014, Tabriz, Iran.
9. Ethics in Research. Workshop by Research Vice Chancellor, Tabriz University of Medical Sciences, December 2016-May 2017, Tabriz, Iran.
10. Knowledge Transfer. Workshop by Research Vice Chancellor, Tabriz University of Medical Sciences, February 2018, Tabriz, Iran.
11. Medical and Professional Ethics. Course by Tabriz University of Medical Sciences, November 2018-July 2019, Tabriz, Iran.
12. E-learning. Course by Tabriz University of Medical Sciences, September 2019, Tabriz, Iran.

JOURNAL PAPERS

1. **Mahami M**, Mohebbali M, Keshavarz H, Hajjarian H, Akhoundi B, Zarei ZA, Charehdar S. A seroepidemiological survey of visceral leishmaniasis (kala-azar) in Germi district, Ardabil province. *Journal of School of Public Health and Institute of Public Health Research* 2005; 4(1):45-56.
2. Amanzadeh Y, Izaddoost M, Soltanpour A, **Mahami M**, Taheri M, Khalifeh Gholi Kalani M, Kalantari N, Taran M, Sadat Ebrahimi S.E. Inhibit effect of *Allium hirtifolium* boiss. (persian shallot) hydroalcoholic extract on the growth of *Leishmania infantum* in vitro. *Journal of Medicinal Plants* 2006; 5(20):48-52.

3. **Mahami M**, Mohebbali M, Keshavarz H, Zarei ZA. Comparison of direct agglutination test (DAT), indirect immunofluorescent antibody (IFAT) and ELISA in diagnosis of visceral leishmaniasis. *Journal of Ardabil University of Medical Sciences* 2008; 8(1):77-83.
4. Shahbazi A, Raeisi A, Asmar M, Nadaf S, Nateghpour M, Anaraki GhR, **Mahami M**. Detection of *Plasmodium vivax* by nested PCR in various areas of western north of Iran. *Medical Journal of Hormozgan University* 2009; 13(1):7-12.
5. **Mahami Oskouei M**, Dalimi A, Forouzandeh Moghadam M, Rokni MB. Molecular identification and differentiation of *Fasciola* isolates using PCR- RFLP method based on internal transcribed spacer (ITS1, 5.8s rDNA, ITS2). *Iranian Journal of Parasitology* 2011; 6(3):35-42.
6. **Mahami Oskouei M**, Dalimi A, Forouzandeh Moghadam M, Rokni MB. Comparison of different DNA extraction methods for molecular study of *Fasciola* parasites. *Veterinary Journal (Pajouhesh & Sazandegi)*, 2011; 92: 30-35.
7. Fallah E, Javadzadeh AR, Mahami L, **Mahami M**. Ocular Toxocariasis in 11 Year Old Girl. *Medical Journal of Tabriz University of Medical Sciences* 2012; 33(5):107-110.
8. **Mahami Oskouei M**, Dalimi A, Forouzandeh Moghadam M, Rokni MB. Prevalence and severity of animal fasciolosis in six provinces of Iran. *Feyz, Journal of Kashan University of Medical Sciences* 2012; 16(3): 254-260.
9. Fallah E, **Mahami Oskouei M**, Safaiyan A, Mirsamadi N, Hamzavi F, Mahami Oskouei L. The effect of keeping pet dogs and cats on Toxocariasis. *Yafteh*, 2012; 13 (4):65-71.
10. Fallah E, Javadzadeh AR, **Mahami Oskouei M**, Safaiyan A, Mahami Oskouei L. Prevalence of clinical and demographic characteristics of patients with ocular toxoplasmosis referring to Nikookari hospital of Tabriz in 2003-2009. *Medical Journal of Tabriz University of Medical Sciences* 2012; 34(2): 97-100.
11. Javadi A, Shahbazi A, Fallah E, Khanmohammadi M, Nematollahi A, Ashrafi Helan J, Fartashvand M, **Mahami Oskouei M**. A Case Report of Mixed Infection in Holstein cattle with *Theileria annulata* and *Babesia bigemina* in Tabriz Slaughterhouse. *Iranian Journal of Comparative Pathobiology* 2013; 9(3): 759-764.
12. Fallah E, Mahami Oskouei L, **Mahami Oskouei M**, Safaiyan A. Evaluation of indirect immunofluorescent antibody (IFA) and ELISA in diagnosis of Visceral Larva Migrans. *Scientific Journal of Ilam University of Medical Sciences* 2014; 21(7): 87-93.
13. Fallah E, Mahami Oskouei L, **Mahami Oskouei M**, Safaiyan A. Prevalence of *Blastocystis hominis* Infection in Tabriz in 2009-2010. *The Journal of Urmia University of Medical Sciences* 2014; 25(2): 113-118.
14. Khanmohammadi M, Javadi A, Rezamand A, **Mahami Oskouei M**, Shahbazi A, Fallah E, Ganji S. *Strongyloides stercoralis* infection in a child with acute lymphocytic leukemia in Tabriz. *Medical Journal of Tabriz University of Medical Sciences and Health Services* 2013; 35(5): 88-91.

15. Ghabouli Mehrabani N, Kousha A, Khalili M, **Mahami Oskouei M**, Mohammadzadeh M, Alizadeh S, Maleksabet A, Hamidi F. Hydatid Cyst Surgeries in Patients Referred to Hospitals in East Azerbaijan Province during 2009-2011. *Iranian Journal of Parasitology* 2014; 9(2): 233-8.
16. Khoramian H, Arbabi M, **Mahami Oskouei M**, Delavari M, Hooshyar H, Asgari M. Prevalence of ruminant's fascioliasis and their economic effects in Kashan, center of Iran. *Asian Pacific Journal of Tropical Biomedicine* 2014; 4(2): 585-589.
17. Rahnamaye Hayati Hagh V, **Mahami Oskouei M**, Bazmani A, Miahipour A, Mirsamadi N. Genetic Classification and Differentiation of *Enterobius vermicularis* based on mitochondrial cytochrome c oxidase (*cox1*) in Northwest of Iran. *Journal of Pure and Applied Microbiology* 2014; 8(5): 3995-3999.
18. **Mahami Oskouei M**, Fallah E, Ahmadi M, Safaiyan A, Bakhtiyari S, Naserifar R, Dousti M. Molecular and parasitological study of *Cryptosporidium* isolates from cattle in Ilam, west of Iran. *Iranian Journal of Parasitology* 2014; 9(3): 435-440.
19. Naghili B, Javadi A, **Mahami Oskouei M**, Fallah E, Shahbazi A, Khanmohammadi M. A case report of acute gastroenteritis due to leech bite. *Medical Journal of Tabriz University of Medical Sciences and Health Services* 2014; 36(5): 108-111.
20. Spotin A, Gholami S, Najafi Nasab A, Fallah E, **Mahami Oskouei M**, Semnani V, Shariatzadeh A, Shahbazi A. Designing and conducting in silico analysis for identifying of *Echinococcus* spp. with discrimination of novel haplotypes: an approach to better understanding of parasite taxonomic. *Parasitology Research* 2015; 114: 1503-1509.
21. Shariatzadeh SA, Spotin A, Gholami S, Fallah E, Hazratian T, **Mahami-Oskouei M**, Montazeri F, Moslemzadeh HR, Shahbazi A. The first morphometric and phylogenetic perspective on molecular epidemiology of *Echinococcus granulosus sensu lato* in stray dogs in a hyperendemic Middle East focus, northwestern Iran. *Parasites & Vectors* 2015; 8:409.
22. Hamidi F, Etemadi J, Ghabouli Mehrabani N, **Mahami Oskouei M**, Motavalli R, Ardalan MR. Comparison of *Toxoplasma gondii* seropositivity in hemodialysis and peritoneal dialysis patients. *Journal of Coastal Life Medicine* 2015; 3(8): 621-622.
23. **Mahami-Oskouei M**, Ghabouli Mehrabani N, Miahipour A, Fallah E, Shahbazi A, Mazhari N, Hamidi F. Genotypic characterization of *Echinococcus granulosus* isolates based on the mitochondrial cytochrome c oxidase 1 (*cox1*) gene in Northwest Iran. *Tropical Biomedicine* 2015; 32(4): 717-725.
24. **Mahami Oskouei M**, Ghabouli Mehrabani N, Miahipour A, Fallah E. Molecular characterization and sequence analysis of *Echinococcus granulosus* from sheep isolates in East Azerbaijan province, northwest of Iran. *Journal of Parasitic Diseases* 2016; 40(3): 785-790.
25. **Mahami Oskouei M**, Hamidi F, Talebi M, Farhoudi M, Taheraghdam AA, Kazemi T, Sadeghi-Bazargani H, Fallah E. The correlation between *Toxoplasma gondii* infection and Parkinson's disease: a case-control study. *Journal of Parasitic Diseases* 2016; 40(3): 872-876.

26. Mikaeili Galeh T, Kazemi A, **Mahami-Oskouei M**, Baradaran B, Spotin A, Sarafriz S, Karamat. Introducing Nitazoxanide as a promising alternative treatment for symptomatic to metronidazole-resistant Giardiasis in clinical isolates. *Asian Pacific Journal of Tropical Medicine* 2016; 9(9): 887–892.
27. Momeni T, **Mahami-Oskouei M**, Fallah E, Safaiyan A, Mahami-Oskouei L. Latent and asymptomatic *Toxocara* infection among young population in Northwest Iran: The necessity of informing people as a potential health risk. *Scientifica (Cairo)* 2016: 3562056.
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30. Naseri M, Akbarzadeh A, Spotin A, Asl Rahnemaii Akbari N, **Mahami-Oskouei M**, Ahmadpour E. Scolicidal and apoptotic activities of albendazole sulfoxide and albendazole sulfoxide-loaded PLGA-PEG as a novel nanopolymeric particle against *Echinococcus granulosus* protoscoleces. *Parasitology Research* 2016; 115(12): 4595-4603.
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for reflecting epidemiological drift of *Entamoeba histolytica* metapopulations. *Parasitology Research* 2017; 116(1): 217-224.

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39. Moshrefi M, Spotin A, Kafil HS, **Mahami-Oskouei M**, Baradaran B, Ahmadpour E, Mansoori B. Tumor suppressor p53 induces apoptosis of host lymphocytes experimentally infected by *Leishmania major*, by activation of Bax and caspase-3: a possible survival mechanism for the parasite. *Parasitology Research* 2017; 116(8): 2159-2166.

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45. Bahhaj R, Ahmadpour E, **Mahami-Oskouei M**, Fallah E, Shamsasenjan K, Safaiyan A. *Toxoplasma gondii* Infection and Related Risk Factors among Blood Donors in Northwest Iran. *Archives of Clinical Infectious Diseases* 2017; 12(2): e62005.

46. Spotin A, Karamat M, **Mahami-Oskouei M**, Shahbazi A, Ahmadpour E, Galeh TM, Fallahi S. Genetic variability and transcontinental sharing of *Giardia duodenalis* infrapopulations determined by glutamate dehydrogenase gene. *Acta Tropica* 2018; 177: 146-156.

47. Mikaeili Galeh T, Spotin A, **Mahami-Oskouei M**, Carmena D, Rahimi MT, Barac A, Ghoyounchi R, Berahmat R, Ahmadpour E. The seroprevalence rate and population genetic structure

of human cystic echinococcosis in the Middle East: A systematic review and meta-analysis. *International Journal of Surgery* 2018; 51: 39-48.

48. Noori J, Spotin A, Ahmadpour E, **Mahami-Oskouei M**, Sadeghi-Bazargani H, Kazemi T, Sakhinia E, Aghebati-Maleki L, Shahrivar F. The potential role of toll-like receptor 4 Asp299Gly polymorphism and its association with recurrent cystic echinococcosis in postoperative patients. *Parasitology Research* 2018; 117(6): 1717-1727.

49. Spotin A, Boufana B, Ahmadpour E, Casulli A, **Mahami-Oskouei M**, Rouhani S, Javadi-Mamaghani A, Shahrivar F, Khoshakhlagh P. Assessment of the global pattern of genetic diversity in *Echinococcus multilocularis* inferred by mitochondrial DNA sequences. *Veterinary Parasitology* 2018; 262: 30-41.

50. Khalili M, **Mahami-Oskouei M**, Shahbazi A, Safaiyan A, Mohammadzadeh-Gheshlaghi N, Mahami-Oskouei L. The correlation between serum levels of anti-*Toxoplasma gondii* antibodies and the risk of diabetes. *Iranian Journal of Parasitology* 2018; 13(4): 637-642.

51. Azadi Y, Ahmadpour E, Hamishehkar H, Daryani A, Spotin A, **Mahami-Oskouei M**, Barac A, Rajabi S, Alizadeh P, Montazeri M. Quantification of *Toxoplasma gondii* in the tissues of BALB/c mice after immunization with nanoliposomal excretory-secretory antigens using Real-Time PCR. *Comparative Immunology, Microbiology & Infectious Diseases* 2018; 59: 52-56.

52. Parsaei M, Raeisi A, Spotin A, Shahbazi A, **Mahami-Oskouei M**, Hazratian T, Khorashad AS, Zaman J, Bazmani A, Sarafraz S. Molecular evaluation of pvdhfr and pvmdr-1 mutants in *Plasmodium vivax* isolates after treatment with sulfadoxine/pyrimethamine and chloroquine in Iran during 2001-2016. *Infection, Genetics and Evolution* 2018; 64: 70-75.

53. **Mahami-Oskouei M**, Mohebbali M, Spotin A, Alizadeh Z. A Review of effectual factors in the Pathogenesis of *Leishmania* Parasites. *Journal of Ardabil University of Medical Sciences* 2018; 18 (3): 279-297.

54. Alizadeh P, Daryani A, Ahmadpour E, Kazemi T, Spotin A, **Mahami-Oskouei M**, Azadi Y, Rajabi S, Shanehbandi D. Cloning and Expression of *Toxoplasma gondii* Rhoptry13 Gene in pcDNA3 Plasmid. *Journal of Mazandaran University of Medical Sciences* 2019; 28 (169): 26-35.

55. Ghoyounchi R, **Mahami-Oskouei M**, Rezamand A, Spotin A, Aminisani N, Nami S, Pirestani M, Berahmat R, Madadi S. Molecular phylodiagnosis of *Enterocytozoon bieneusi* and *Encephalitozoon intestinalis* in children with cancer: Microsporidia in malignancies as an emerging opportunistic infection. *Acta Parasitologica*. 2019; 64(1): 103-111.

56. Arshadi M, Akhlaghi L, Meamar AR, Alizadeh Ghavidel L, Nasiri K, **Mahami-Oskouei M**, Mousavi F, Rampisheh Z, Khanmohammadi M, Razmjou E. Sero-molecular detection, multi-locus genotyping, and clinical manifestations of ocular toxoplasmosis in patients in northwest Iran. *Transactions of the Royal Society of Tropical Medicine and Hygiene* 2019; 113(4): 195-202.

57. Alizadeh P, Ahmadpour E, Daryani A, Kazemi T, Spotin A, **Mahami-Oskouei M**, Flynn RJ, Azadi Y, Rajabi S, Sandoghchian S. IL-17 and IL-22 elicited by a DNA vaccine encoding ROP13 associated with protection against *Toxoplasma gondii* in BALB/c mice. *Journal of Cellular Physiology* 2019; 234(7): 10782-10788.

58. Mehdizad Bakhtiar N, Akbarzadeh A, Casulli A, **Mahami-Oskouei M**, Ahmadpour E, Nami S, Rostami A, Spotin A. Therapeutic efficacy of nanocompounds in the treatment of cystic and alveolar echinococcoses: challenges and future prospects. *Parasitology Research* 2019; 118(9): 2455-2466.
59. Moradkhani MA, Spotin A, **Mahami-Oskouei M**, Ahmadpour E, Lotfinezhad M, Noori J, Alizadeh Z. A clinical association between Toll-like receptor 2 Arg753Gln polymorphism with recurrent cystic echinococcosis in postsurgery patients: A case control study. *Comparative Immunology, Microbiology & Infectious Diseases* 2019; 66: 101336.
60. Spotin A, **Mahami-Oskouei M**, Nami S. Assessment of the global paradigms of genetic variability in *Strongyloides stercoralis* infrapopulations determined by mitochondrial DNA sequences. *Comparative Immunology, Microbiology & Infectious Diseases* 2019; 67: 101354.
61. Madadi S, **Mahami-Oskouei M**, Rafeey M, Spotin A, Aminisani N, Mahami-Oskouei L, Ghoyounchi R, Berahmat R. Comparative evaluation of *Cryptosporidium* infection in malnourished and well-nourished children: Parasitic infections are affected by the interaction of nutritional status and socio-demographic characteristics. *Comparative Immunology, Microbiology & Infectious Diseases* 2020; 68: 101406.
62. Alizadeh Z, **Mahami-Oskouei M**, Spotin A, Kazemi T, Ahmadpour E, Cai P, Shanehbandi D, Shekari N. Parasite-derived microRNAs in plasma as novel promising biomarkers for the early detection of hydatid cyst infection and post-surgery follow-up. *Acta Tropica*. 2020; 202: 105255.
63. Barazesh A, Sarkari B, Shahabi S, Halidi AG, Ekici A, Aydemir S, **Mahami-Oskouei M**. Genetic diversity of *Echinococcus granulosus* isolated from humans: A comparative study in two cystic echinococcosis endemic areas, Turkey and Iran. *Biomed Research International* 2020; 2020: 3054195.
64. Tabatabaie F, Elmi T, Khanmohammadi M, Akhlaghi L, **Mahami-Oskouei M**, Arshadi M. Serological evaluation of anti-*Toxoplasma gondii* antibodies in patients with acute leukemia and lymphoma through chemotherapy. *Iranian Journal of Parasitology* 2020; 15(2): 187-195.
65. Ahmadpour E, Safarpour H, Xiao L, Zarean M, Hatam-Nahavandi K, Barac A, Picot S, Rahimi MT, Rubino S, **Mahami-Oskouei M**, Spotin A, Nami S, Baghi HB. Cryptosporidiosis in HIV-positive patients and related risk factors: A systematic review and meta-analysis. *Parasite*. 2020; 27: 27.
66. Spotin A, **Mahami-Oskouei M**, Ahmadpour E, Parsaei M, Rostami A, Emami S, Gholipour S, Farmani M. Global assessment of genetic paradigms of Pvm-dr1 mutations in chloroquine-resistant *Plasmodium vivax* isolates. *Transactions of the Royal Society of Tropical Medicine and Hygiene* 2020; 114(5): 339-345.
67. Mehdizad Bakhtiar N, Spotin A, **Mahami-Oskouei M**, Ahmadpour E, Rostami A. Recent advances on innate immune pathways related to host-parasite cross-talk in cystic and alveolar echinococcosis. *Parasites & Vectors* 2020; 13(1): 232.
68. Nabipoorashrafi SA, Shomali N, Sadat-Hatamnezhad L, **Mahami-Oskouei M**, Mahmoudi J, Sandoghchian Shotorbani B, Akbari M, Xu H, Sandoghchian Shotorbani S. miR-143 acts as an

inhibitor of migration and proliferation as well as an inducer of apoptosis in melanoma cancer cells in vitro. IUBMB Life. 2020; doi: 10.1002/iub.2345.

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7. **Mahami Oskouei M**, Dalimi A, Forouzandeh Moghadam M, Rokni M.B. Comparison of different DNA extraction methods for molecular study of *Fasciola* parasites. 7th National and 2th Regional Congress of Parasitology and Parasitic Diseases in Iran. Tehran University of Medical Sciences, 19-21 Oct 2010.
8. Fallah E, Mahami Oskouei L, **Mahami Oskouei M**, Safaiyan A, Mirsamadi N, Hamzavi F. The rate of intestinal parasites infection among young peoples in Tabriz. 7th National and 2th Regional Congress of Parasitology and Parasitic Diseases in Iran. Tehran University of Medical Sciences, 19-21 Oct 2010.
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MEMBERSHIP

- Member of the Iranian Scientific Board of Medical Parasitology
- Member of the Medical Council of the Islamic Republic of Iran
- Member of the Iranian Society of Parasitology
- Member of the World Federation of Parasitologists
- Member of the Iranian Scientific Association of Clinical Laboratory

TEACHING EXPERIENCE

Parasitology(Protozoology and Helminthology),
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PROFESSIONAL EXPERIENCES

- Parasitological techniques, such as: Preparation of parasite smears, Parasites staining and culture.
- Molecular biology techniques including: DNA extraction, PCR, Nested PCR and PCR-RFLP.
- Immunological techniques, such as: ELISA, IFA and DAT.
- Biochemistry techniques: PAGE, SDS-PAGE.
- Sequence analysis, Alignment, Genotyping and Phylogenetic analysis.