

Curriculum Vitae



FATTANEH MIKAEILI

Associate Professor of Parasitology

PERSONAL INFORMATION:

First Name: Fattaneh
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UNIVERSITY EDUCATION:

2016-2020 **Master of Science** in Medical Education, Shiraz University of
Medical Science, Shiraz, Iran
Dissertation: The effect of integration of basic and clinical aspects
of parasitology course on medical students learning

April 2013-October 2013 **Research Fellow** in Institute for Parasitology, University of Zurich
(UZH), Switzerland.

2008-2014 **Ph.D.** in Medical Parasitology, Tehran University of Medical
Sciences, Tehran, Iran.

- Dissertation:** Isolation of *Toxocara canis* and *Toxocara cati* from dogs and cats from different parts of Iran and their molecular characterization by rDNA and mtDNA genes using PCR-Sequencing
- 2004-2007** **Master of Science** in Medical Parasitology, Shiraz University of Medical Sciences, Shiraz, Iran.
Dissertation: A study on urinary antigen-based diagnosis of visceral leishmaniasis using polyclonal and monoclonal antibodies and its comparison with antibody detection assays
- 2001-2003** **Bachelor of Science** in Medical Entomology, Tehran University of Medical Sciences, Tehran, Iran.
- 1999-2001** **Associated degree** in Medical laboratory Technology, Gilan University of Medical Sciences, Gilan, Iran.

TEACHING EXPERIENCES:

- 2021-present** Associate Professor in Department of Parasitology and Mycology, Medical School, Shiraz University of Medical Sciences, Shiraz, Iran.
- 2014-2021** Assistant Professor in Department of Parasitology and Mycology, Medical School, Shiraz University of Medical Sciences, Shiraz, Iran.
- 2009-2013** Special scholarship of Shiraz University of Medical Sciences.
- 2007-2008** Lab instructor in Department of Parasitology and Mycology, Medical School, Shiraz University of Medical Sciences, Shiraz, Iran.

MEMBERSHIPS:

- Iranian Society of Parasitology

PAPERS:

1. **Mikaeili F**, Sadjjadi SM, Zibaei M. Ocular Toxocariasis-An Overview. *Medicine Journal*. 2006; 29: 9-13. (In Persian)
2. Fakhar M, **Mikaeili F**, Motazedian MH. The diagnosis of visceral leishmaniasis. *Tashkhis Azemayeshghahi*. 2006; 44. (In Persian)
3. Fakhar M, **Mikaeili F**. Effect of parasites on behavior of host. *ISP Khabarnameh*. 2006; 22: 8-9. (In Persian)

4. **Mikaeili F**, Fakhar M, Sarkari B, Motazedian MH, Hatam GH. Comparison of Serological Methods (ELISA, DAT and IFA) for Diagnosis of Visceral Leishmaniasis Utilizing an Endemic Strain. *Iranian Journal of Immunology*. 2007; 4 (2): 116-121.
5. Hatam GR, **Mikaeili F**, Sadjjadi SM, Sarkari B. Direct Agglutination Test and Enzyme Linked Immunosorbent Assay with Urine Samples for the Diagnosis of Visceral Leishmaniasis. *Iranian Journal of Parasitology*. 2007; 2(3): 24-28.
6. Motazedian M, Fakhar M, Motazedian MH, Hatam G, **Mikaeili F**. A urine-based polymerase chain reaction method for the diagnosis of visceral leishmaniasis in immunocompetent patients. *Diagnostic Microbiology and Infectious Disease*. 2008; 60(2): 151-154.
7. Sarkari B, Hatam GR, **Mikaeili F**, Sadeghi H, Ebrahimi S. A comparative study of antigen and antibody detection in visceral leishmaniasis using serum and urine-based ELISA. *Tropical Biomedicine*. 2008; 25(2): 96-99.
8. Fakhar M, **Mikaeili F**, Hatam GR, Motazedian MH, Habibi P, Fallah E. Application of superior enzymatic systems for characterization of causative agents of visceral leishmaniasis (kala-azar) in Iran using isoenzyme electrophoresis. *Journal of Mazandaran University of Medical Sciences*. 2009; 19(70): 41-48. (In Persian)
9. Fakhar M, **Mikaeili F**, Hatam GR, Habibi P, Karamian M, Motazedian, MH, Banimostafavi E. A molecular epidemiology survey of cutaneous leishmaniasis in patients referring to Parasitology Lab at Shiraz School of Medicine and the importance of PCR assay. *Journal of Jahrom University of Medical Sciences*. 2010; 8(1): 1-5. (In Persian)
10. **Mikaeili F**, Kia EB, Sharbatkhori M, Sharifdini M, Jalalizand N, Heidari Z, Zarei Z, Stensvold CR, Mirhendi H. Comparison of six simple methods for extracting ribosomal and mitochondrial DNA from *Toxocara* and *Toxascaris* nematodes. *Experimental Parasitology*. 2013; 134(2): 155-159.
11. Sadjjadi SM, **Mikaeili F**, Karamian M, Maraghi S, Sadjjadi FS, Shariat-Torbaghan S, Kia EB. Evidence that the *Echinococcus granulosus* G6 genotype has an affinity for the brain in humans. *International Journal of Parasitology*. 2013; 43(11): 875-877.
12. **Mikaeili F**, Mirhendi H, Hosseini M, Asgari Q, Kia EB. *Toxocara* Nematodes in Stray Cats from Shiraz, Southern Iran: Intensity of Infection and Molecular Identification of the Isolates. *Iranian Journal of Parasitology*. 2013; 8(4): 593-600.
13. **Mikaeili F**, Mirhendi H, Mohebbali M, Hosseini M, Sharbatkhori M, Zarei Z, Kia EB. Sequence variation in mitochondrial *cox1* and *nad1* genes of ascaridoid nematodes in cats and dogs from Iran. *Journal of Helminthology*. 2014; 89: 496-501.

14. Zarei Z, Kia EB, Heidari Z, **Mikaeili F**, Mohebbali M, Sharifdini M. Age and sex distribution of *Dirofilaria immitis* among dogs in Meshkin-Shahr, northwest Iran and molecular analysis of the isolates based on COX1 gene. *Veterinary Research Forum*. 2016; 7(4) 329-334.
15. Motazedian MH, **Mikaeili F**, Mohebbali M, Miri R, Habibi P, Kamarloie S. The antileishmanial effects of *Lawsonia inermis* and *Cedrus libani* on *Leishmania major* promastigotes: an in vitro study. *Journal of Parasite Disease*. 2017; 41(2): 375-379.
16. **Mikaeili F**, Mathis A, Deplazes P, Mirhendi H, Barazesh A, Ebrahimi S, Kia EB. Differentiation of *Toxocara canis* and *Toxocara cati* based on PCR-RFLP analyses of rDNA-ITS and mitochondrial cox1 and nad1 regions. *Acta Parasitologica*. 2017; 62(3): 549-556.
17. Fatemi Esfedan A, Sarkari B, **Mikaeili F**. Genetic Variability of Antigen B8/1 among *Echinococcus granulosus* Isolates from Human, Cattle, and Sheep in Fars Province, Southern Iran. *Reports of Biochemistry and Molecular Biology*. 2018; 6(2): 164-160.
18. Sarkari B, Alirezaei R, Layegh Gigloo A, Rezaei Z, **Mikaeili F**, Bahreini MS, Fararouei M. Seroprevalence and risk factors of *Toxocara* infection among children in a rural community in Fars province, southern Iran. *Parasite Immunology*. 2018: e12582.
19. Choobineh M, **Mikaeili F**, Sadjjadi SM, Ebrahimi S, Iranmanesh S. Molecular characterization of *Toxocara* spp. eggs isolated from public parks and playgrounds in Shiraz, Iran. *Journal of Helminthology*. 2019; 93(3): 306-312.
20. Asgari Q, **Mikaeili F**, Ahmadi B, Bahreini MS. Effects of *Lawsonia Inermis* Extract on *Toxoplasma gondii* in In-Vitro and In-Vivo Environments. *Armaghane-danesh* 2019; 24(1): 31-42. (In Persian)
21. Esfandiari F, **Mikaeili F**, Rahmanian R, Asgari Q. Seroprevalence of toxocariasis in multiple sclerosis and rheumatoid arthritis patients in Shiraz city, southern Iran. *Clinical Epidemiology and Global Health*. 2020; 8: 158-160.
22. Arefkhah N, Pourabbas B, Asgari Q, Moshfe A, **Mikaeili F**, Nikbakht G, Sarkari B. Molecular genotyping and serological evaluation of *Toxoplasma gondii* in mothers and their spontaneous aborted fetuses in Southwest of Iran. *Comparative Microbiology Immunology and Infectious Diseases*. 2019; 66: 101342.
23. Zaraei M, Arefkhah N, Moshfe A, Ghorbani F, **Mikaeili F**, Sarkari B. Prevalence of bovine fascioliasis in a new-emerging focus of human fascioliasis in BoyerAhmad district, southwest of Iran. *Comparative Microbiology Immunology and Infectious Diseases*. 2019; 66: 101350.
24. Barazesh A, Sarkari B, Sarısu G, Hami M, **Mikaeili F**, Aydın A, Ekici A, Ebrahimi S. Comparative Genotyping of *Echinococcus granulosus* Infecting Livestock in Turkey and Iran. *Turkiye Parazitoloj Derg*. 2019; 43(3): 123-129.

25. Arefkhah N, Shadzi MR, **Mikaeili F**, Sarkari B, Esfandiari F, Goudarzi F. Seroprevalence and associated risk factors of toxocariasis among nomads in Boyer-Ahmad County, southwest Iran. *Transactions of the Royal Society of Tropical Medicine and Hygiene*. 2020; 114(5): 372-377.
26. Noorpisheh Ghadimi S, Abedini MR, Sarkari B, Savardashtaki A, **Mikaeili F**. *Neobalantidium coli*: First molecular identification from the Eurasian wild boar, *Sus Scrofa* in Bushehr Province, Southwestern Iran. *Veterinary Medicine and Science*. 2020; 6: 142-146.
27. Erfani AH, Pouryousef A, Arefkhah N, Shahriarirad R, Rastegarian M, Zeighami A, **Mikaeili F**, Hosseini SY, Sarkari B. Seroprevalence of toxocariasis and its related risk factors among municipal street sweepers in Shiraz District in Fars Province, southern Iran. *Clinical Epidemiology and Global Health*. 2020; 8: 643-646.
28. Tavan A, **Mikaeili F**, Sadjjadi SM, Bajelan S, Mahmoudvand H, Sharifdini M. Prevalence and genotype distribution of *Enterobius vermicularis* among kindergarteners in Shiraz and Khorramabad cities, Iran. *Asian Pacific Journal of Tropical Medicine*. 2020; 13(7): 308-313.
29. Haghighi L, Talebnia SE, **Mikaeili F**, Asgari Q, Gholizadeh F, Zomorodian K. Prevalence and subtype identification of *Blastocystis* isolated from human in Shiraz city, southern Iran. *Clinical Epidemiology and Global Health*. 2020; 8: 840-844.
30. Sharifi Y, Abbasi F, Shahabi S, Zaraei A, **Mikaeili F**, Sarkari B. Comparative genotyping of *Blastocystis* infecting cattle and human in the south of Iran. *Comparative Microbiology Immunology and Infectious Diseases*. 2020; 72: 101529.
31. Bajelan S, Bahreini MS, Asgari Q, **Mikaeili F**. Viability and infectivity of *Toxoplasma gondii* tachyzoites exposed to Butanedione monoxime. *Journal of Parasite Disease*. 2020; 44(4):822-828.
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36. Mirzaeipour M, **Mikaeili F**, Asgari Q, Nohtani M, Rashidi S, Bahreini MS. Evaluation of the Tyrosine and Dopamine Serum Levels in Experimental Infected BALB/c Mice with Chronic Toxoplasmosis. *Journal of Parasitology Research*. 2021; 5511516.
37. Amini M, **Mikaeili F**, Handjani F, Hatam GR, Asgari Q. The effect of integration of basic and clinical aspects of a specific topic in a parasitology course on medical students learning: A randomized controlled trial. *Journal of Education and Health Promotion*. 2021; 10(1): 390.
38. Salemi AM, Arefkhah N, **Mikaeili F**, Rabbani H, Nabavizadeh H. Seroprevalence of *Toxocara* Infection among Asthmatic Children in Shiraz City, Southern Iran. *Iranian Journal of Parasitology*. 2021; 16(4): 587-592.
39. Teimouri A, Alimi R, Farsi S, **Mikaeili F**. Intestinal parasitic infections among patients referred to hospitals affiliated to Shiraz University of Medical Sciences, southern Iran: a retrospective study in pre- and post-COVID-19 pandemic. *Environmental Science and Pollution Research*. 2022; 29: 36911-36919.
40. Salemi AM, **Mikaeili F**, Sadjjadi SM, Sharifdini M, Zarei Z. Indirect immunofluorescence assay using embryonated eggs of *Toxocara* in human toxocariasis diagnosis is unreliable due to autofluorescence nature. *Experimental Parasitology*. 2022; 238: 108284.
41. Nohtani M, Asgari Q, **Mikaeili F**, Ostovan VR, Mirzaeipour M, Bahreini MS, Rashidi S. *Toxoplasma* Reduces Complications of Parkinson's Disease: An Experimental Study in BALB/c Mice. *Journal of Parasitology Research*. 2022; Article ID 5716765.
42. Bahreini MS, Yazdi AR, Jowkar F, Motamedi M, **Mikaeili F**. Cytotoxic screening and in vitro effect of sodium chlorite against *Leishmania major* promastigotes. *Journal of Parasitic Disease*. 2022; 46(4): 945-951.
43. Pezeshkian FS, Pouryousef A, Omidian M, **Mikaeili F**, Safarpour AR, Shojaei-Zarghani S, Sarkari B. Seroprevalence of Toxocariasis and Its Associated Risk Factors among Adult Population in Kavar District, Fars Province, South of Iran: A Cross-Sectional Community-Based Seroepidemiological Survey. *Interdisciplinary Perspectives on Infectious Diseases*. 2023; Article ID 2721202.
44. Mohtasebi S, Shokripour M, Vahid P, **Mikaeili F**, Abbaszadeh Afshar MJ, Alimi R, Goudarzi F, Teimouri A. Parasitological and histopathological features of appendectomy specimens in Fars Province, southern Iran: a retrospective study. *Annals of Medicine and Surgery*. 2023; 85(5): 1601-1606.