



Academic Curriculum Vitae

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- Address: Department of Parasitology and Mycology, School of Medicine, Iran University of Medical Science, Tehran, Iran

Education:

- PhD in Medical Parasitology, Isfahan University of Medical Science, Isfahan, Iran, 2017
 - Thesis Title: Evaluation of Hydatid cyst carbohydrate antigens fractions and their cross-reactions with breast cancer and normal sera
- Master of Science in Medical Parasitology, Iran University of Medical Science, Tehran, Iran, 2009
- Bachelor of Science in Medical Laboratory Science, Iran University of Medical Science, Tehran, Iran, 2002
- Associate of Science in Medical Laboratory Science, Shahid Beheshti University of Medical Sciences, Tehran, Iran, 2000

Professional Experience:

- ✓ Assistant Professor of Medical Parasitology, Iran University of Medical Science, 2017-2023:
- ✓ Medical laboratory scientist, Iran University of Medical Science, 2005-2016:

Publications:

1. Fardin Nabizadeh , Ali Azizi, Lina Hejrati, Maryam Mousavi, Ali Mehranzadeh, Shervin Badihian, Mohammad Javad Tavallaee, Vahid Rahmani, Bahareh Shateri Amiri , Raheleh Rafiei-Sefiddashti and Alireza Hejrati. Multiple sclerosis and ulcerative colitis: A systematic review and meta-analysis. Multiple Sclerosis Journal–Experimental, Translational and Clinical. 2023;9(3):20552173231186516.



2. Ali Geraili, Alireza Badirzadeh, Maryam Sadeghi, Seyed Mahmoud Mousavi, Parisa Mousavi, Zabihollah Shahmoradi, Sayed-Mohsen Hosseini, Seyed Hossein Hejazi, Raheleh Rafiei-Sefiddashti. Toxoplasmosis and symptoms severity in patients with COVID-19 in referral centers in Northern Iran. *Journal of Parasitic Diseases*. 2023;47(1):185-91.
3. Valizadeh G, Khamseh ME, Kashaniyan M, Rafiei-Sefiddashti R, Hadighi R. Role of *Toxoplasma gondii* in thyroiditis in pregnant women. *Russian Journal of Infection and Immunity*. 2022;12(5):947-52.
4. Shakib Y, Hadighi R, Rafiei Sefiddashti R. Toxoplasmosis and its Relationship with Various Mental Disorders. *Razi Journal of Medical Sciences*. 2022;29(8):252-66.
5. Haghghi L, Razmjou E, Rafiei-Sefiddashti R, Meamar AR, Akhlaghi L. *Entamoeba histolytica* and Probable Effect on Production Microsatellite Instability in Colorectal Cancer. *Current Microbiology*. 2022;79(4):111.
6. Najm M, Hadighi R, Heidari-Kharaji M, Alipour M, Hajizadeh M, Rafiei-Sefiddashti R, et al. Anti-Leishmanial Activity of *Artemisia persica*, *A. spicigera*, and *A. fragrans* against *Leishmania major*. *Iranian Journal of Parasitology*. 2021;16(3):464.
7. Mohammadi S, Gholami A, Hejrati L, Rohani M, Rafiei-Sefiddashti R, Hejrati A. Hidradenitis suppurativa; classification, remedies, etiology, and comorbidities; a narrative review. *Journal of Family Medicine and Primary Care*. 2021;10(11):4009.
8. Kamarkhani Z, Rafiei-Sefiddashti R, Haghghi L, Badirzadeh A. Molecular Examination of *Trichomonas vaginalis* Infection and Risk of Prostate Cancer in the Biopsy of Patients with Different Prostate Lesions. *Ethiopian Journal of Health Sciences*. 2021;31(2).
9. M Hajizadeh, R Falak, M Tavakoli-Yaraki, R Hosseinzadeh, M Alipour, E Ahmadpour, R Rafiei-Sefiddashti. *Toxoplasma gondii* infection in patients with malignant and benign bone tumours. *Инфекция и иммунитет*. 2021;11(6):1083-8.
10. Hajizadeh M, Amni F, Sahlolbei M, Tavakoli-yaraki M, Mamaghani AJ, Sefiddashti RR, et al. Antigen Similarity In Hydatid Cyst Wall And Human Bone Tumours: A Short Report. 2021.
11. Fariba Amni, Maryam Hajizadeh, Taher Elmi, Karim Hatam Nahavandi, Shima Shafaei, Amirreza Javadi Mamaghani, Raheleh Rafiei Sefiddashti. Different manifestations of *Echinococcus granulosus* immunogenic antigens in the liver



- and lungs of intermediate host. *Comparative Immunology, Microbiology and Infectious Diseases*. 2021;74:101573.
12. Najafi E, Sefiddashti RR, Rampisheh Z, Amni F, Hadighi R. Prevalence of *Enterobius vermicularis* Infection in 2-6 Years Old Children in Affiliate Kindergartens of Iran University of Medical Sciences, Tehran, Iran, 2018-2019. *RAZI JOURNAL OF MEDICAL SCIENCES (JOURNAL OF IRAN UNIVERSITY OF MEDICAL SCIENCES)*, [online]. 2020;27(3):159-67.
 13. Hatam-Nahavandi K, Ahmadpour E, Pashazadeh F, Dezhkam A, Zarean M, Rafiei-Sefiddashti R, et al. Pediculosis capitis among school-age students worldwide as an emerging public health concern: a systematic review and meta-analysis of past five decades. *Parasitology Research*. 2020;119:3125-43.
 14. Davoudi M, Sefiddashti RR, Meamar A, Toreyhi S, Hadighi R. Intestinal parasites and theta brainwave changes in children. *Journal of Comprehensive Pediatrics*. 2020;11(4).
 15. Sefiddashti RR, Sharafi SM, Ebrahimi SA, Akhlaghi L, Moosavi A, Eskandarian A, et al. A 53 KDa glycan antigen of hydatid cyst wall may involve in evasion from host immune system. *Advanced biomedical research*. 2018;7.
 16. Sharafi SM, Sefiddashti RR, Sanei B, Yousefi M, Darani HY. Scolicidal agents for protoscolices of *Echinococcus granulosus* hydatid cyst: review of literature. *Journal of Research in Medical Sciences: the Official Journal of Isfahan University of Medical Sciences*. 2017;22.
 17. Sefiddashti RR, Sharafi SM, Ebrahimi SA, Akhlaghi L, Moosavi A, Eskandarian A, et al. Antibody response to glycan antigens of hydatid cyst fluid, laminated layer and protoscolex of *Echinococcus granulosus*. *Medical Journal of the Islamic Republic of Iran*. 2017;31:12.
 18. Sharafi SM, Rafiei R, Hadipour M, Shirzad H, Khanahmad H, et al. A nonglycosylated 27 kDa molecule as common antigen between human breast cancer and *Echinococcus granulosus* hydatid cyst wall. *Advances in Breast Cancer Research*. 2016;5(02):90.
 19. Chookami MB, Sharafi SM, Sefiddashti RR, Jafari R, Bahadoran M, Pestechian N, et al. Effect of two hydatid cyst antigens on the growth of melanoma cancer in C57/black mice. *Journal of parasitic diseases*. 2016;40:1170-3.
 20. Ali Moosavi, Ali Haghighi, Mohammad Rostami-Nejad, Ehsan Nazemalhosseini Mojarad, Farideh Naderi, Anita Mohammadiha, Raheleh Rafiei Sefid Dashti. Introduction of Liver Infusion Tryptose (LIT) for cultivation and diagnosis of *Blastosystis* sp. *Medical Science Journal of Islamic Azad University-Tehran Medical Branch*. 2014;23(4):39-42.



21. Badri-Chookami M, Sharafi SM, Rafeie R, Bahadoran M, Pestechian N, Yousofi-Darani H. Effect of alive protoscoleces of hydatid cyst on the growth of melanoma cells in mouse model. Journal of Isfahan Medical School. 2014;32(281):486-92.
22. Moosavi A, Meamar AR, Akhlaghi L, Sefiddashti RR, Oormazdi H, Razmjou E, et al. Comparison serum levels of iron, zinc, copper, magnesium and haematological indexes in blastocystis infected patients and healthy controls. Urmia Medical Journal. 2010;21(4):318-23.
23. Rafiei Sefiddashti R. Toxoplasmosis and its Relationship with Various Mental Disorders. Razi Journal of Medical Sciences.

Research Interests:

- Medical Parasitology
- Medical Immunology
- Medical Entomology
- Molecular Biology
- Host-Parasite Interactions
- Diagnosis and Treatment of Parasitic Infections
- Novel Cancer Prevention and Treatment Strategies with Parasites

Professional Memberships:

- Iranian Society of Parasitology
- Iranian Society of Medical Laboratory Science
- International Society of Infectious Diseases

Skills:

- Identify and distinguish different parasite species using a microscope and various staining techniques.
- Sample collection and preparation of different samples (e.g. blood, stool, urine) for analysis, which involves various processing techniques.
- Identification and classification of different parasite species based on their morphology and other characteristics and knowledge of parasite life cycles for their diagnosis and treatment.
- Familiar with animal labs & different animals like BALB/c and C57BL/6.
- Expert in laboratory techniques like ELISA, western blot, SDS PAGE, thin layer chromatography, column chromatography and other protein isolation,



culturing parasites, cell culture, mammalian cell culture, performing serological tests, fluorescence microscopy, and using molecular biology techniques (PCR, Real-time PCR, Nucleic Acid Extraction). Familiar with biochemistry, immunology, molecular biology and Omics or cell biology techniques.

- Expert in research projects, scientific writing, writing reports, and data analysis from laboratory tests and other sources for making accurate diagnoses and treatment recommendations.
- Expert in communication skills and teamwork like presenting findings and recommendations effectively to other healthcare professionals and patients, and explaining complex scientific concepts clearly and understandably.
- Expert in computer software including Microsoft Office, PRISM, SPSS, Camtasia, Endnote, Mendeley and ArcGIS.

Language:

- Persian (Native)
- English (Fluent)

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