

Curriculum Vitae

Last update: Jan 2026



PERSONAL INFORMATION

First Name: Mohammad Saleh

Last Name: Bahreini

Gender: Male

Date of Birth: Sept 16th, 1989

Marital Status: Married

Academic Address: Basic Sciences in infectious diseases research center, Shiraz University of medical sciences, Shiraz, Iran

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EDUCATION

- **Ph.D. in Medical Parasitology (2016-2022)**
Shiraz University of Medical Sciences, Department of Medical Parasitology and Mycology, Shiraz, Iran.

Thesis Title:

Evaluation of new Indole-Triazole derivatives on *Toxoplasma gondii* in vitro and in vivo

- **M.Sc. in Medical Parasitology (2013- 2016)**

Shiraz University of Medical Sciences, Department of Medical Parasitology and Mycology, Shiraz, Iran.

Thesis Title:

Evaluation the possibility of amebic infection in patients suffering from the keratitis and encephalitis by direct, culture and PCR methods

- **Bachelor of Science in Medical Laboratory Sciences (2008- 2013)**

Kerman University of Medical Sciences, Kerman, Iran.

SKILLS AND EXPERTISE

- Conventional parasitology
- Cell culture
- Parasite culture
- Molecular methods (PCR; Multiplex-PCR; RFLP; Nested-PCR; Real-Time PCR)
- MTT assay
- MAT (Modify agglutination test)
- ELISA
- Flow cytometry
- Animal study
- SPSS statistical analysis program/GraphPad Prism

AWARDS AND HONORS

- Member of the Iran's National Elites Foundation
- Selected postgraduate student of Shiraz Medical School in 2021-2022

PROFESSIONAL WORK EXPERIENCES

- Director of the Parasitology Laboratory and the Reference Laboratory for Molecular Diagnosis of Cutaneous Leishmaniasis, Health Deputy of Shiraz University of Medical Sciences, from 2023 to 2026

- Member of the Executive Committee of the 3rd International Congress and 10th National Congress of Parasitology and Parasitic Diseases of Iran, Shiraz, 2017
- Member of the Executive Committee of the 2nd International Congress and 4th National Congress of Mycology, Shiraz, 2015

REVIEWER OF JOURNALS

- Scientific Reports
- BMC Infectious Diseases
- BMC Women's Health
- Cancer Immunology, Immunotherapy
- Jundishapur Journal of Microbiology
- Le Infezioni in Medicina

PRESENTATION

- Soghra Khabnadideh, **Mohammad Saleh Bahreini**, Gholamreza Hatam, Amir Hossein Radfar, Keshvad Alipour, Leila Zamani. (2024). Cytotoxicity and Anti-leishmanial activity of new pyrimidopyrimidine derivatives on amastigote of *Leishmania major*. 5th International and 12th National Congress Parasitology & Parasitic Diseases.
- **Mohammad Saleh Bahreini**, Pouya Heydari, Mohammad Hossein Motazedian, Qasem Asgari. (2024). Evaluation of experimental transmission of toxoplasmosis through lactation in BALB/c mice. 5th International and 12th National Congress Parasitology & Parasitic Diseases.
- **Mohammad Saleh Bahreini**, Mohammad Ghanimatdan, Ali Pouryousef, Aida Bostanian, Fatemeh Karimi, Mohammad Hossein Motazedian, Qasem Asgari. (2024). Frequency study of the soil contamination to *Toxoplasma gondii* oocysts by concentration and molecular method in Shiraz, southern Iran. 5th International and 12th National Congress Parasitology & Parasitic Diseases.

- **Mohammad Saleh Bahreini**, Mahsa Izadi, Alireza Amirian, Mohammad Hossein Motazedian. (2024). *In vitro* and *in vivo* evaluation of *Frangula Alnus* hydroalcoholic extract against *Leishmania major*. 5th International and 12th National Congress Parasitology & Parasitic Diseases.
- **Mohammad Saleh Bahreini**, Mohammad Reza Fereidooni, Sara Bajelan, Mohammad Hossein Motazedian. (2024). Prevalence of parasitic contamination of raw vegetables in Shiraz County, southern Iran in 2022. 5th International and 12th National Congress Parasitology & Parasitic Diseases.
- **Bahreini MS**, Zarei F, Asgari Q. (2019). The Relationship between *Toxoplasma* infection in mothers and offspring gender. 4th International and 11th National Congress Parasitology & Parasitic Diseases.
- **Bahreini MS**, Nohtani M, Mirzaeipour M, Dastan N, Asgari Q. (2019). Innovation in Methods for the production and maintenance of *Toxoplasma gondii* Tachyzoites of PRU strain, as a Genotype II. 4th International and 11th National Congress Parasitology & Parasitic Diseases.
- Mirzaeipour M, **Bahreini MS**, Gholizadeh GH, Nohtani M, Asgari Q. (2019). Cutaneous leishmaniasis associated with Systemic Lupus Erythematosus (SLE). 4th International and 11th National Congress Parasitology & Parasitic Diseases.
- Dastan N, Pourkargari F, Bahreini MS, Nohtani M, Mirzaeipour M, Asgari Q. (2019). Comparison of prevalence of *Toxoplasma* infection between Parkinson patients and equal healthy individuals. 4th International and 11th National Congress Parasitology & Parasitic Diseases.
- Mosavi SM, Sattarahmadi N, **Bahreini MS**, et al. (2019). Effect of Photothermal Nanotherapeutics on *leishmania major* with Gold Nanoparticles. 4th International and 11th National Congress Parasitology & Parasitic Diseases.
- Nohtani M, Mirzaei V, Mirzaeipour M, **Bahreini MS**, et al. (2019). Evaluation of protective effect of tachyzoites irradiated by Gamma and UV rays in murine toxoplasmosis. 4th International and 11th National Congress Parasitology & Parasitic Diseases.

- **Bahreini MS**, Sami Jahromi S, Shahriari B. (2017). Seroprevalence of toxocariasis in children in a rural area of Kazeroun, Fars province. 3th International and 10th National Congress Parasitology & Parasitic Diseases.
- Abbaszadeh-Afshar MJ, Mohebbali M, Sharifi I, Akhoundi B, Aflatoonian MR, **Bahreini MS**, Mahmoudvand H. (2015) Seroepidemiological survey of Visceral leishmaniasis among nomadic tribes of Kerman Province, Southeastern Iran: An observational study for implication to health policy. 2th International and 9th National Congress Parasitology & Parasitic Diseases.

PUBLICATIONS

- Karimi K, Moein MR, Asgari Q, **Bahreini MS**, Sarvestani AS, Motazedian MH. Investigation of the Anti-Leishmanial Effects of Essential Oils from *Zataria Multiflora* and *Thymus Vulgaris* against *Leishmania Major*: A Detailed Analysis of Phytochemical Composition and Therapeutic Efficacy. Jundishapur Journal of Microbiology. 2026 Feb 1; 18(3):1-0.
- Soltan-Alinejad P, Ramezani A, Asgari Q, Alipour H, Soltani A, **Bahreini MS**, Nikbakhtzadeh M, Azizi K. The recombinant protein of scorpion venom phospholipase A2 exhibits potential anti-leishmanial activity. Scientific Reports. 2025 Nov 27.
- Ardeshtiri H, Radfar AH, Hatam G, **Bahreini MS**, Azarpira N, Chelliapan S, Kamyab H, Kasaei SR, Amani AM, Mosleh-Shirazi S. Evaluation the biological effect of niosomal hydrogel base amphotericin in combination with *Artemisia sieberi* essential oil for treatment of cutaneous leishmaniasis: *In vitro* and *in vivo* studies. Results in Chemistry. 2025 May 1; 15:102185.
- Pourmohammadi SF, **Bahreini MS**, Bajelan S, Sarvestani AS, Shahriari B, Mohammadianpanah M, Karbasi S, Asgari Q. Exploring the Application of Gamma Radiation-Attenuated *Toxoplasma gondii* Tachyzoites: A Promising Vaccine Candidate Against Toxoplasmosis. Jundishapur Journal of Microbiology. 2025 Mar 1; 18(3):1-0.

- Koshalshah AR, Sharifdini M, **Bahreini MS**, Salemi AM, Andrabi SM, Mehdi SS, Mikaeili F. Morphological and molecular identification of *Toxocara* isolated from road-killed golden jackals in Northern Iran. BMC Veterinary Research. 2025 Feb 24; 21(1):94.
- Gholami Z, Omidian M, Rezaei E, Asgari Q, Safarpour A, **Bahreini MS**. Seroepidemiological Study of Toxoplasmosis in Kavar District, Fars Province, Southern Iran: A Community-Based Survey. Journal of Health Sciences & Surveillance System. 2025 Oct 1; 13(4):355-60.
- Niroumand U, Motazedian MH, Ahmadi F, Asgari Q, **Bahreini MS**, Ghasemiyeh P, Mohammadi-Samani S. Preparation and characterization of artemether-loaded niosomes in *Leishmania major*-induced cutaneous leishmaniasis. Scientific Reports. 2024 May 2; 14(1):10073.
- **Bahreini MS**, Pourmohammadi SF, Gholami M, Habibollahi M, Pasdaran A, Hamed A, Asgari Q. Anti-*Toxoplasma* *In Vitro* and *In Vivo* Activity of *Pyrus boissieriana* Arbutin-Rich Fraction. Acta Parasitologica. 2024 Mar; 69(1):567-73.
- Goudarzi K, Alimi R, Zarghami T, **Bahreini MS**, Ghanimatdan M, Sharifdini M, Kohansal E, Teimouri A. *In Vitro* Scolicidal Effect of *Urtica dioica* and *Pyrus boissieriana* extracts against Protoscoleces of *Echinococcus granulosus*. Shiraz E-Medical Journal. 25(7).
- Sahebi K, Akbari P, Mikaeili F, Alimi R, **Bahreini MS**, Teimouri A. Association between *Toxocara* Spp. Exposure and Schizophrenia: A Case-Control Study. Iranian Journal of Parasitology. 2024 Jun 9; 19(2):214-23.
- Sahebi K, Shahsavani F, Mehravar F, Hatam G, Alimi R, Radfar A, **Bahreini MS**, Pouryousef A, Teimouri A. *In vitro* and *in vivo* anti-parasitic activity of curcumin nanoemulsion on *Leishmania major* (MRHO/IR/75/ER). BMC Complementary Medicine and Therapies. 2024 Jun 18; 24(1):238.

- Teimouri A, Saberi R, Goudarzi F, **Bahreini MS**, Abbaszadeh MJ. The emergence of amoebic dysentery mimicking COVID-19: A human case report from Iran. *Journal of Current Biomedical Reports*. 2023 Mar 30:40-4.
- Teimouri A, Jafarpour Azami S, Hashemi Hafshejani S, Ghanimatdan M, **Bahreini MS**, Alimi R, Sadjjadi SM. Protoscolicidal effects of curcumin nanoemulsion against protoscoleces of *Echinococcus granulosus*. *BMC Complementary Medicine and Therapies*. 2023 Apr 18; 23(1):124.
- **Bahreini MS**, Sedghi S, Badalzadeh Y, Motazedian MH, Shirani M, Jahromi SS, Teimouri A, Agholi M, Asgari Q. Molecular diagnosis of *Trichomonas vaginalis* in liquid-based Papanicolaou samples in Shiraz, southern Iran. *BMC Women's Health*. 2023 Dec; 23(1):1-5.
- Asgari Q, Rajabi F, Sajadian F, **Bahreini MS**, Arefkhah N. *Toxoplasma gondii* infection in patients with brain tumors in Southern Iran: a case-control study. *Journal of Parasitic Diseases*. 2023 Feb 4:1-6.
- **Bahreini MS**, Sami Jahromi S, Radfar AH, Salemi AM, Dastan N, Asgari Q. The relationship of latent toxoplasmosis and cigarette smoking: Seroprevalence, risk factor, and case-control study in Fars Province, southern Iran. *Pathogens*. 2022 Oct 31; 11(11):1274.
- Zare M, Akbarialiabad H, Parsaei H, Asgari Q, Alinejad A, **Bahreini MS**, Hosseini SH, Ghofrani-Jahromi M, Shahriarirad R, Amirmoezzi Y, Shahriarirad S. A machine learning-based system for detecting leishmaniasis in microscopic images. *BMC Infectious Diseases*. 2022 Dec; 22(1):1-6.
- **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 Diseases*. 2022 Jul 5:1-7.

- Omidian M, Asgari Q, **Bahreini MS**, Moshki S, Sedaghat B, Adnani Sadati SJ. Acute toxoplasmosis can increase serum dopamine level. Journal of Parasitic Diseases. 2022 Jun; 46(2):337-42.
- 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 Apr 29; 2022.
- **Bahreini MS**, Iraj A, Edraki N, Monfared AA, Asgari Q. Synthesis and anti-*Toxoplasma* activity of indole-triazole compounds on tachyzoites of RH strain. Annals of Medicine and Surgery. 2022 Feb 1; 74:103245.
- Teimouri A, Nassrullah OJ, Hedayati P, **Bahreini MS**, Alimi R, Mohtasebi S, Salemi AM, Asgari Q. Prevalence and Predictors of *Toxoplasma gondii* Infection in Psychiatric Inpatients in Fars Province, Southern Iran. Frontiers in Psychiatry. 2022; 13.
- Rashidi S, Sánchez-Montejo J, Mansouri R, Ali-Hassanzadeh M, Savardashtaki A, **Bahreini MS**, Karimazar M, Manzano-Román R, Nguewa P. Mining the Proteome of *Toxoplasma* Parasites Seeking Vaccine and Diagnostic Candidates. Animals. 2022 Jan; 12(9):1098.
- **Mohammad Saleh Bahreini**, Mohammad Nohtani, Mehdi Mirzaeipour, Naghmeh Dastan, Sara Bajelan, Qasem Asgari . Introduction of protocols for mass gaining of *Toxoplasma gondii* tachyzoites of the PRU Strain as genotype II. Animal Models and Experimental Medicine. 2021 Jun 4; 4(3):278-282.
- Ebrahimi S, Kalantari M, Alipour H, Azizi K, Asgari Q, **Bahreini MS**. *In vitro* evaluation of CRISPR PX-LmGP63 vector effect on pathogenicity of *Leishmania major* as a primary step to control leishmaniasis. Microbial Pathogenesis. 2021 Dec 1; 161:105281.

- 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 Aug 17; 2021.
- **Bahreini MS**, Zarei F, Dastan N, Sami Jahromi S, Pourzargham P, Asgari Q. The relationship between *Toxoplasma gondii* infection in mothers and neonate's gender. *The Journal of Maternal-Fetal & Neonatal Medicine*. 2020 Nov 10:1-5.
- Bajelan S, **Bahreini MS**, Asgari Q, Mikaeili F. Viability and infectivity of *Toxoplasma gondii* tachyzoites exposed to *Butanedione monoxime*. *Journal of Parasitic Diseases*. 2020 Dec; 44(4):822-8.
- **Bahreini MS**, Motazedian MH, Bamdad S, Abbaszadeh Afshar MJ, Asgari Q. Detection of Free-Living Amoeba infection in patients with suspected central nervous system and keratitis disease in Shiraz, southern Iran. *Journal of Health Sciences & Surveillance System*. 2019 Apr 1; 7(2):80-5.
- Asgari Q, Mikaali F, Ahmadi B, **Bahreini MS**. Effects of *Lawsonia inermis* Extract on *Toxoplasma gondii* in *In Vitro* and *In Vivo* *Armaghane danesh* 2019: 31-42.
- Asgari Q, Gholizadeh F, Nohtani M, Mirzaeipour M, Zare M, **Bahreini MS**. Cutaneous leishmaniasis associated with Systemic Lupus Erythematosus (SLE). *Le infezioni in medicina*. 2019 Sep 1; 27(3):345-9.
- Sarkari B, Alirezaei R, Layegh Gigloo A, Rezaei Z, Mikaeili F, **Bahreini MS**, Fararouei M. Seroprevalence and risk factors for *Toxocara* infection among children in a rural community in Fars province, southern Iran. *Parasite immunology*. 2018 Nov; 40(11):e12582.
- Afshar MJ, Sharifi I, Bamorovat M, Mohebal M, **Bahreini MS**, Naderi A. Canine visceral leishmaniasis; A seroepidemiological survey in Jiroft

district, Southern Kerman Province, Southeastern Iran in 2015. Iranian journal of parasitology. 2018 Jan; 13(1):67.

- Abbaszadeh-Afshar MJ, Mohebbali M, Sharifi I, Akhoundi B, Aflatoonian MR, **Bahreini MS**, Mahmoudvand H. Seroepidemiological survey of Visceral leishmaniasis among nomadic tribes of Kerman Province, Southeastern Iran: An observational study for implication to health policy. Journal of Biostatistics and Epidemiology. 2015 Oct 19; 1(3/4):105-11.

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<https://scholar.google.com/citations?user=PQElu00AAAAJ&hl=en&oi=ao>