

Mahshid Mostafavi, D.V.M. Ph.D.

Leishmaniasis Research Center, Kerman University of Medical Sciences

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Date of Birth

July 23, 1987

Research Performance

- Scopus H index: 13
- Google Scholar H-index: 14
- Articles: 31
- Google Scholar Citation Number: 474

<https://scholar.google.com/citations?user=S9DI6UYAAAAJ&hl=en&oi=ao>

Academic Affiliation

Research fellow at the School of Medicine, Leishmaniasis Research Center, Kerman University of Medical Science, Kerman, Iran (2011-present).

Education

- **Ph.D. by Research of Parasitology, Oct 2013 - May 2019**
 - Supervisor: Professor Saeedeh Farajzadeh & Professor Iraj Sharifi.
 - University: Kerman University of Medical Sciences, Kerman, Iran
 - Dissertation Title: In vitro and in vivo leishmanicidal effects of niosomal formulation of amphotericin B, selenium, and glucantime alone or in combination
- **Doctor of Veterinary Medicine (DVM) , Sep 2005- Jun 2011.**
 - Supervisor: Professor Baharak Akhtardanesh
 - University: Shahid Bahonar University of Kerman, Kerman, Iran
 - Dissertation Title: Seroprevalence of canine visceral leishmaniasis in southeast of Iran.

Experience

- **Teaching**

Lecturer, Islamic Azad University of Kerman, Iran (Teaching Parasitology to undergraduate students).
- **Workshop**
 - The relationship between variables and setting goals and assumptions
 - Ethics in publishing research works

- Various sampling methods and sample volume calculation
- Research Methodology
- The ways to determine the sample size
- Information and communication technology educational
- **Veterinarian**
 - Healthcare Technical Officer 2011-2015
 - Veterinary Pharmacy 2019-present
- **Advisor of Thesis**
 - **Advisor of PhD Students in Parasitology**
The Effect of Naja naja oxiana Snake Venom Against Leishmania tropica Confirmed by Advanced Assay
 - **Advisor of M.Sc. Students:**
Anti-Leishmanial and Immunomodulatory Effects of Epigallocatechin 3-O-Gallate on *Leishmania tropica*: Apoptosis and Gene Expression Profiling

Research Interests

My research interests lie majorly in the area of Infectious Diseases, Niosomes and liposomes, Zoonosis, Vector-Borne, Diabetes, Tropical and neglected Diseases and Emerging Diseases. I am passionate about Drug discovery in the parasitology field, especially Leishmaniasis disease.

Lab Skills

- **Experimental models for drug discovery and screening**
Certificate from Shiraz, Shiraz, Iran. 2013.
- **Real time PCR and HRM**
Certificate from Leishmaniasis Research Center, Kerman University of Medical Science, Kerman, Iran. 2014.
- **Design and Construction of Molecular Structures and Cloning**
Certificate from Leishmaniasis Research Center, Kerman University of Medical Science, Kerman, Iran. 2014.
- **Leishmania and Leishmaniasis immunology, vaccine and drug discovery- therapy**
Certificate from Institute Pasture, Tehran, Iran. 2016
- **Working with Laboratory Animals 2014.**
Certificate from Institute Pasture, Tehran, Iran.
- **Niosome preparation 2016-2018**
Pharmaceutics Research Center, Institute of Neuropharmacology, Kerman University of Medical Sciences, Kerman, Iran
- **Laboratory of Leishmaniasis Research Center (2011-Present)**
 - Cell culture

- PCR
- Real Time

Professional Society Membership

- The member of the Executive Committee of 2nd International Symposium of Veterinary Surgery (ISVS) and 7th Iranian Symposium of Veterinary Surgery, Anesthesia and Radiology (ISVSAR) (April 2008).
- The member of the Executive Committee of 2nd International and 9th National Congress of Parasitology and Parasitic Diseases of Iran
- Student Scientific Committee Membership (2007-2011)
- Member of Veterinary Student Scientific Association 2009-2010
- The member of the Executive Committee of 2th AfzaliPour International Medical Congress on Pathology (October 2018)

Computer Skills

- Microsoft Office, Microsoft PowerPoint, Microsoft Excel, Adobe Photoshop, ...
- Reference management software: Mendeley, Endnote
- Statistical software: SPSS

Awards and Honors

- **The premier researcher in the Ph.D. student course with grant** 2017
In Iran
- **Top ranked researcher** 2022
In Kerman Province
- **Top ranked researcher** 2022
Kerman University of Medical Sciences
- **Patent** 2018

Amphotericin B in combination with selenium loaded on niosome in treatment of cutaneous leishmaniasis

Peer Reviewer in international Journals

- BMC Research Notes
- PLOS ONE
- Journal of Parasitic Disease

Selected Publications

1. Sina Kakooei, Elahe Tahmasebi, Mohammadkarim Bahodori, Mohsen Yazdanian, Esmail Rafiei, **Mahshid Mostafavi**, Lina Zarifipour, Ali Modaberi. **Application of queuing theory and simulation model to reduce waiting time in dental hospital.** *Journal of Oral Health and Oral Epidemiology*. 2022 October;11(3):140-145.
2. Sina Kakooei, Masoud Parirokh, Mohammad Reza Afarinesh, Amir Hossein Nekouei, Vahid sheibani, **Mahshid Mostafavi**. **Comparison of injecting an anesthesia solution with different temperature on anesthesia success.** *Journal of Clinical and Experimental Dentistry*. 2022 May-Jun; 13(3): 305–314.
3. Fahimeh Mohseni, Iraj Sharifi, Razieh Tavakoli Oliaee, Zahra Babaei, **Mahshid Mostafavi**, Pooya Ghasemi Nejad Almani, Alireza Keyhani, Ehsan Salarkia, Fatemeh Sharifi, Hossein Hosseini Nave, Mehdi Bamorovat, Sodabeh Alahdin, Meysam Sarlak, Rahele Tavakoly. **Antiproliferative properties of Turmerone on Leishmania major: Modes of action confirmed by antioxidative and immunomodulatory roles.** *Comp Immunol Microbiol Infect Dis*. 2022 May ;84:101797.
4. Alireza Keyhani, Iraj Sharifi, Ehsan Salarkia, Ahmad Khosravi, Razieh Tavakoli Oliaee, Zahra Babaei, Pooya Ghasemi Nejad Almani, Saeid Hassanzadeh, Reza Kheirandish, **Mahshid Mostafavi**, Maryam Hakimi Parizi, Sodabeh Alahdin, Fatemeh Sharifi, Shahriar Dabiri, Simin Shamsi Meymandi, Ali Khamesipour, Abdollah Jafarzadeh Mehdi Bamorovat. **In vitro and in vivo therapeutic potentials of 6-gingerol in combination with amphotericin B for treatment of Leishmania major infection: Powerful synergistic and multifunctional effects.** *Int Immunopharmacol*. 2021 December;101(Pt B):108274.
5. **Mahshid Mostafavi**, Iraj Sharifi, Gholamreza Asadikaram, Nozar Nakhaee, Sina Kakooei, Mohammad Reza Aflatoonian, Mehdi Bamorovat, Razieh Tavakoli Oliaee, Ali Karamoozian. **The impact of diabetes on cutaneous leishmaniasis: a case-control field assessment.** *Parasitol Res*. 2021 November;120(11):3865-3874.
6. Iraj Sharifi, Fatemeh Tabatabaie, Saeideh Nikpour, **Mahshid Mostafavi**, Razieh Tavakoli Oliaee, Fatemeh Sharifi, Zahra Babaei, Elham Jafari, Ehsan Salarkia & Delavar Shahbazzadeh. **The Effect of Naja naja oxiana Snake Venom Against Leishmania tropica Confirmed by Advanced Assay.** *Acta Parasitologica*. 2021 Jun;66(2):475-486.

7. Afsaneh Naderi, Iraj Sharifi , Mohammad Reza Aflatoonian , **Mahshid Mostafavi** , Maryam Hakimi Parizi, Jahangir Mashayekhi , Mojtaba Mashayekhi , Saeideh Nikpour , Mehdi Bamorovat. **Dirofilariosis caused by *Dirofilaria immitis* in the south of Kerman province, Iran. Microbial Pathogenesis.** 2021 May; 154, 104863.
8. Nikpour S, Tabatabaie F, Sharifi I, **Mostafavi M**, Oliae RT, Sharifi F, Babaei Z, Jafari E, Salarkia E, Shahbazzadeh D. **The Fraction of the Snake Venom, its Leishmanicidal Effect, and the Stimulation of an Anti-Leishmania Response in Infected Macrophages.** Endocrine, Metabolic & Immune Disorders Drug Targets. November 2021;21(6):1115-1124.
9. Mohammad Ali Mohammadi, Mehdi Bamorovat, Iraj Sharifi , **Mahshid Mostafavi** , Mehdi Borhani Zarandi , Reza Kheirandish , Ali Karamoozian , Mehrdad Khatami , Saeid Hassan Zadeh. ***Linguatula serrata* in cattle in southeastern Iran: Epidemiological, histopathological and phylogenetic profile and its zoonotic importance.** Veterinary Parasitology: Regional Studies and Reports. 2020 December ;22:100465
10. Razieh Tavakoli Oliae , Iraj Sharifi , Mehdi Bamorovat , Alireza Keyhani , Zahra Babaei , Ehsan Salarkia , Rahele Tavakoly , Ahmad Khosravi , **Mahshid Mostafavi** , Fatemeh Sharifi , Seyed Mohammad Mousavi. The potential role of nicotinamide on *Leishmania tropica*: An assessment of inhibitory effect, cytokines **gene expression and arginase profiling.** International Immunopharmacology. 2020 September ;86:106704.
11. Shahla Kakoei, Salimeh Afzali, Masoud Parirokh Sina Kakoei , **Mahshid Mostafavi**, Amir Nekoue. **The Knowledge and Attitude of Diabetic Patients Regarding Oral and Dental Disorders in Kerman Diabetes Clinics. Journal of Dentistry.** 2020 September; 21(3): 195–201.
12. Mehdi Bamorovat, Iraj Sharifi, Mohammad Reza Aflatoonian, Balal Sadeghi, Alireza Shafii, Razieh Tavakoli Oliae, Alireza Keyhani, Abbas Aghaei Afshar, Ahmad Khosravi, **Mahshid Mostafavi**, Maryam Hakimi Parizi, Mehrdad Khatami, Nasir Arefinia. **Host's immune response in unresponsive and responsive patients with anthroponotic cutaneous leishmaniasis treated by meglumine antimoniate: A case-control study of Th1 and Th2 pathways. International Immunopharmacology.** 2019 April;69:321-327.
13. **Mahshid Mostafavi** , Iraj Sharifi , Saeedeh Farajzadeh , Payam Khazaeli , Hamid Sharifi , Elnaz Pourseyedi , Sina Kakoei , Mehdi Bamorovat , Maryam Hakimi Parizi Ahmad Khosravi, Ali , Khamesipour . **Niosomal formulation of amphotericin B alone and in combination with glucantime: In vitro and in vivo leishmanicidal effects.** Biomedicine & Pharmacotherapy. 2019 August;116:108942.

14. Mehdi Bamorovat , Iraj Sharifi , Alireza Fekri , Alireza Keyhani , Mohammad Reza Aflatoonian , Amireh Heshmatkhah , Razieh Tavakoli Oliaee , Ahmad Khosravi , Afsaneh Naderi , Maryam Hakimi Parizi , **Mahshid Mostafavi** , Rajender S Varma . **A single-group trial of end-stage patients with anthroponotic cutaneous leishmaniasis: Levamisole in combination with Glucantime in field and laboratory models.** *Microbial Pathogenesis*. 2019 March;128:162-170.
15. Ahmad Khosravi Iraj Sharifi , Hadi Tavakkoli ,Ali Reza Keyhani ,Ali Afgar ,Zohreh Salari ,Mehdi Bamorovat Fatemeh Sharifi , Tabandeh Khaleghi , Rajender S.Varma , Shahriar Dabiri , Seyed Nouredin Nematollahi-Mahani , Abdolreza Babaee , **Mahshid Mostafavi** , Maryam Hakimi Parizi Ehsan Salarkia. **Toxico-pathological effects of meglumine antimoniate on human umbilical vein endothelial cells.** *Toxicology in Vitro*. 2019 April;56:10-18.
16. Maryam Hakimi Parizi, Abbas Parakhty, Iraj sharifi, Saeedeh Farajzadeh, Mohammad Hossein Daie Parizi, Hamid Sharifi, Ali Reza Keyhani, **Mahshid Mostafavi**, Mehdi Bamorovat & Daryoush Ghaffari. **Antileishmanial activity and immune modulatory effects of benzoxonium chloride and its entrapped forms in niosome on *Leishmania tropica*.** *Journal of Parasitic Diseases*. 2019 September;43(3):406-415.
17. Maryam Hakimi Parizi, Iraj Sharifi, Saeedeh Farajzadeh, Abbas Pardakhty, Mohammad Hossein Daie Parizi, Hamid Sharifi, Ali Reza Keyhani, **Mahshid Mostafavi**, Mehdi Bamorovat, Ahmad Khosravi, Daryoush Ghaffari. **Tioxolone niosomes exert antileishmanial effects on *Leishmania tropica* by promoting promastigote apoptosis and immunomodulation.** *Asian Pacific Journal of Tropical Medicine*. 2019 August; 12(8):p 365-374.
18. **Mahshid Mostafavi**, Payam Khazaeli, Iraj Sharifi, Saeedeh Farajzadeh, Hamid Sharifi, Alireza Keyhani, Maryam Hakimi Parizi, Sina Kakooei. **A Novel Niosomal Combination of Selenium Coupled with Glucantime against *Leishmania tropica*.** *The Korean Journal of Parasitology*. 2019 Feb;57(1):1-8.
19. **Mahshid Mostafavi** ,Saeedeh Farajzadeh, Iraj Sharifi, Payam Khazaeli, Hamid Sharifi. **Leishmanicidal effects of amphotericin B in combination with selenium loaded on niosome against *Leishmania tropica*.** *Journal of Parasitic Diseases*. 2019 Jun;43(2):176-185.
20. Morteza Saduqi, Iraj Sharifi, Zahra Babaei, Keyhani, **Mahshid Mostafavi**, Maryam Hakimi, Mahdiyeh Ghasemian ,Mehdi Bamorovat, Fatemeh Sharifi ,Mohammad Reza Aflatoonian ,Fariba Sharififar, Pooya Ghasemi nejad, Ahmad Kkosravi ,Ehsan Salarkia, Rajender S. VARMA. **Anti-Leishmanial and Immunomodulatory Effects of Epigallocatechin 3-O-Gallate on *Leishmania tropica*: Apoptosis and Gene Expression Profiling.** *Iranian Journal of Parasitology*. 2019 Oct-Dec;14(4):521-533.

21. Iraj Sharifi , Mohammad Reza Aflatoonian , Mohammad Hossein Daei Parizi , Ali Hosseininasab , **Mahshid Mostafavi** , Mehdi Bamorovat , Abass Aghaei Afshar , Mehdi Mohebbali , Hossein Keshavarz , Hamid Daneshvar , Zahra Babaei , Hossein Mahmoudvand , Mohammad Ali Mohammadi, Fatemeh Sharifi , Mohammad Barati , Hossein Kamiabi , Tabandeh Khaleghi. **Visceral Leishmaniasis in Southeastern Iran: A Narrative Review. Iranian Journal of Parasitology.** 2017 Jan-Mar;12(1):1-11.
22. Baharak Akhtardanesh, Iraj Sharifi, Ali Mohammadi, **Mahshid Mostafavi**, Mojdeh Hakimmipour, Neda Ghasemi Pourafshar. **Feline visceral leishmaniasis in Kerman, southeast of Iran: Serological and molecular study.** Journal of Vector Borne Diseases.2017 August 54(1).
23. Ahmad Khosravi, Iraj Sharifi, Alireza Fekri, Alireza Kermanizadeh, Mehdi Bamorovat, **Mahshid Mostafavi**, Mohammad Reza Aflatoonian, Alireza Keyhani. **Clinical Features of Anthroponotic Cutaneous Leishmaniasis in a Major Focus, Southeastern Iran, 1994–2014.** Iranian Journal of Parasitology. 2017 Oct-Dec.12(4).
24. Sina Kakooei, **Mahshid Mostafavi**, Sina Kakooei Shahla Kakoei , Masoud Parirokh, Saeed Asgary. **Indexing of Iranian Publications in Well-known Endodontic Textbooks: A Scientometric Analysis.** Iranian Endodontic Journal. 2016 Summer;11(3):157-63. **(Correspond author)**
25. Saeedeh Farajzede, Iraj Esfandiarpour, Ali Akbar Haghdoost ,Saman Mohammadi, Azadeh Mohebbi, Elham Mohebbi, and **Mahshid Mostafavi** . **Comparison between Combination Therapy of Oral Terbinafine and Cryotherapy versus Systemic Meglumine Antimoniate and Cryotherapy in Cutaneous Leishmaniasis: A Randomized Clinical Trial.** Iranian Journal of Parasitology. 2015 Jan-Mar;10(1):1-8. **(Correspond author)**
26. Kakoei Shahla, Haghdoost Ali-Akbar, Pourdanghani Nasim, Kakooei Sina, **Mostafavi Mahshid** . **How Does the Entrance Exam Have Influence on Educational Success of Doctoral Medical Students in Basic Science Grade?** Medical Journal of Mashhad University of Medical Science. Embase. 2014 Jun; 4(2).
27. Payam Khazaeli, Iraj Sharifi, Elham Talebian, Gioia Heravi, Esmaeil Moazeni, **Mahshid Mostafavi.** **Anti-leishmanial effect of itraconazole niosome on in vitro susceptibility of *Leishmania tropica*.** Environmental Toxicology and Pharmacology. 2014 Jul;38(1):205-11.
28. **Mostafavi Mahshid**, Akhtardanesh Baharak , Sharifi Iraj , Kakooei Sina , Khedri Javad , Bamorovat Mehdi. **Seroprevalence of canine visceral leishmaniasis in southeast of Iran.** Journal of Parasitic Diseases. 2014 Jun;38(2):218-22. **(Correspond author)**

29. Ahmad Khosravi, Iraj Sharifi, Eshagh Dortaj, Abbas Aghaei Afshar, **Mahshid Mostafavi**. **The Present Status of Cutaneous Leishmaniasis in a Recently Emerged Focus in South-West of Kerman Province, Iran**. Iranian Journal of Public Health. 2013;42(2):182-7.
30. Mehdi Bamorovat, Mehdi Borhani Zarandi, **Mahshid Mostafavi**, Reza Kheirandish, Iraj Sharifi & Mohammad Hossein Radfar. **The prevalence of Linguatula serrata nymphs in mesenteric and mediastinal lymph nodes in one-humped camels (Camelus dromedarius) slaughtered in Rafsanjan slaughterhouse, Iran**. Journal of Parasitic Diseases. 2014 Dec;38(4):374-7.
31. Afsaneh Naderi, Iraj Sharifi, Zahra Babaei, Shahriar Dabiri, Jahangiar Mashayekhi, Mehdi Bamorovat, **Mahshid Mostafavi**, Mohammad Ali Mohammadi. **Assessment of the epidemiology of Canine visceral leishmaniasis in a new focus in southeastern Iran**. Veterinary World. **Accepted**.
32. The Effect of Topical Aloe vera Gel on Cutaneous Leishmaniasis: A Double-blind, Randomized, Placebo Controlled Trial. **Under Review**.

Conferences

Oral Presentation:

- **Seroprevalence of canine visceral leishmaniasis in southeast of Iran**
 - Congress name: Congress name: 5th National Congress of Small Animal Veterinary
 - Place: Tehran – Iran, November 8-10, 2011.
- **Comparison between Combination Therapy of Oral Terbinafine and Cryotherapy versus Systemic Meglumine Antimoniate and Cryotherapy in Cutaneous Leishmaniasis: A Randomized Clinical Trial**
 - Congress name: Congress name: 2st International & 9th National Congress of Parasitology and Parasitic Disease of Iran
 - Place: Guilan – Iran, May 20-22, 2015.
- **A doubled blind, randomized, placebo control trial, of the efficacy of Aloe vera gel on cutaneous leishmaniasis**
 - Congress name: 3st International & 10th National Congress of Parasitology and Parasitic Disease of Iran
 - Place: Shiraz - Iran, November 1–3, 2017.

Posters:

- **Anti-leishmanial effect of itraconazole niosome on in vitro susceptibility of *Leishmania tropica***

- Congress name: 1st International & 8th National Congress of Parasitology and Parasitic Disease of Iran
- Place: Kerman - Iran, October 16-19, 2012.
- **A comparative evaluation of the Cutaneous leishmaniasis severity in patients with diabetes in comparison with control group**
 - Congress name: 1st International & 8th National Congress of Parasitology and Parasitic Disease of Iran
 - Place: Kerman - Iran, October 16-19, 2012.
- **Epidemiology and clinical manifestations of visceral leishmaniasis and species identity in domestic dogs using ELISA, NESTED –PCR and histopathological techniques in southern districts of Kerman providence, Iran in 2013.**
 - Congress name: Congress name: 2st International & 9th National Congress of Parasitology and Parasitic Disease of Iran
 - Place: Guilan – Iran, May 20-22, 2015.
- **Topical terbinafine in the treatment of cutaneous leishmaniasis: triple blind randomized clinical trial**
 - Congress name: Congress name: 2st International & 9th National Congress of Parasitology and Parasitic Disease of Iran
 - Place: Guilan – Iran, May 20-22, 2015.
- **Comparison between intralesional injection of zinc sulfate 2 % solution and intralesional meglumine antimoniate in the treatment of acute old world dry type cutaneous leishmaniasis: a randomized double-blind clinical trial**
 - Congress name: Congress name: 2st International & 9th National Congress of Parasitology and Parasitic Disease of Iran
 - Place: Guilan – Iran, May 20-22, 2015.
- **Comparison between Is Topical Aloe vera Gel Effective on Cutaneous Leishmaniasis? A doubled-blind, randomized, placebo-controlled trial.**
 - Congress name: 3st International & 10th National Congress of Parasitology and Parasitic Disease of Iran
 - Place: Shiraz - Iran, November 1–3, 2017.
- **A Comparative evaluation of the cutaneous leishmaniasis severity in opium addicted and non-addicted**
 - Congress name: Congress name: 2st International & 9th National Congress of Parasitology and Parasitic Disease of Iran
 - Place: Guilan – Iran, May 20-22, 2015.

Fund raising

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- Investigation of the effect of nano clay on the mechanical properties of MTA. Kerman University of Medical Sciences. Co- investigator 150000000IR. 2023-2024.

- In vitro evaluation of the effect of Gamma-terpinene on *Leishmania infantum* stages, *Candida albicans* and *Candida tropicalis*. Kerman University of Medical Sciences. Principal investigator 150000000IR. 2022-2024.
- Evaluation of therapeutic effect of allyl methyl sulfide alone and in combination with amphotericin B on standard and resistant strains of *Leishmania tropica* in invitro and in vivo models. Kerman University of Medical Sciences. Co- investigator 150000000IR. 2020-2022.
- The Effect of Temperature Variation of Anesthetic Lidocaine on Pain Threshold of Adult Male Rat in the Tail Flick and Formalin- Induced Pain Tests. Kerman University of Medical Sciences. Co- investigator 70000000IR. 2020-2022.
- In vitro evaluation of the effect of amphotericin B, selenium and glucantime along with niosome alone or in combination on *Leishmania major*. Kerman University of Medical Sciences. Principal investigator 150000000IR. 2020-2023.
- Evaluation of antimony-resistant genes expression profile in axenic promastigote and intracellular amastigote in unresponsive, lopoid and sensitive clinical isolates of anthroponotic cutaneous leishmaniasis in endemic foci of Kerman province. Kerman University of Medical Sciences. Co- investigator 150000000IR. 2020-2022.
- Evaluation of the antileishmanial effects of niosomal form of tioxolone, benzoxonium chloride and tioben on *Leishmania major* in in vitro. Kerman University of Medical Sciences. Co- investigator 150000000IR. 2018-2020.
- Evaluation of poor treatment adherence in unresponsive and responsive patients with anthroponotic cutaneous leishmaniasis in the major focus, southeastern Iran, 2019. Kerman University of Medical Sciences. Co- investigator 150000000IR. 2018-2020.
- Investigating the effect of Niosomes containing amphotericin B, Glucantim and selenium on *Leishmania tropica* in vitro and clinical trial of the best niosomal formulation . Kerman University of Medical Sciences. Co- investigator. 240000000IR. 2016-2019.
- Investigating the effect of thioxolone, benzoxonium chloride, thiobene and their niosome forms on *Leishmania tropica* in vitro and choosing the appropriate dose for clinical trials. Kerman University of Medical Sciences. Co- investigator 240000000IR. 2016-2019.
- Investigating the relationship between *Giardia lamblia* genotypes and clinical symptoms and immune response in people infected with *Giardia*. Kerman University of Medical Sciences. Co- investigator 130000000IR. 2015-2017.
- Investigation of various clinical forms of cutaneous leishmaniasis in Bam city during the last 20 years. Kerman University of Medical Sciences. Co- investigator 130000000IR. 2011-2013.
- Investigating important parasitic zoonosis species in stray dogs in the city and suburbs of Kerman with parasitology, serology and molecular methods in 2011. Kerman University of Medical Sciences. Co- investigator 70000000IR.2011-2012.