

Brief Curriculum Vitae

Prof. Farnaz Kheirandish BSc, MSc, PhD

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Date and place of Birth 1972, Tehran, Iran

Marital Status Married, two children

Educational Background (in chronological order)

- 2020- 2021** Fellowship in Assessment and Evaluation in Medical Sciences. Tehran University of Medical Sciences, Tehran, Iran.
- 2007-2008** Sabbatical (Research Opportunity), University of Queensland, Brisbane, Australia.
- 2003- 2008** Ph. D in Medical Parasitology, School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran.
Research project: Inhibition of *Leishmania major* pteridine reductase 1 (PTR1) with antisense in laboratory (In vitro). Thesis mark: 19.75 out of 20
- 1996-2000** MSc in Medical Parasitology, School of Public Health, Tehran University of Medical Science, Tehran, Iran.
Research project: Dynamic growth of *Leishmania major* amastigote in human macrophages. Thesis mark: 20 out of 20
- 1991-1995** BSc in Biology, School of Science, Shahid Beheshti University, Tehran, Iran.

Employment / Professional Experience

- 2018 – Present** Professor, Faculty Member, School of Medicine, Lorestan University of Medical Science, Khorramabad, Iran
- 2013 – 2018** Associate Professor, Faculty Member, School of Medicine, Lorestan University of Medical Science, Khorramabad, Iran
- 2008 – 2013** Assistant Professor, Faculty Member, School of Medicine, Lorestan University of Medical Science, Khorramabad, Iran
- 2000 – 2008** Instructor, Faculty Member, School of Medicine, Lorestan University of Medical Science, Khorramabad, Iran
- 2018 – Present** Member of the board of directors, Knowledge-based Company (Kimia Daru Aflak), Darou Gostar Aflak
Two herbal products were developed:
- 1- **Saturicom** for Relieve Osteoarthritis Pain. Registration Number: 2959582195230663
- 2- Herbal Tea called **Rosanicam**. Registration Number: 48.10499
- 2012- 2013** Visiting Assistant/Associate Professor, Medical Parasitology and Mycology, School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran
- 1997 -2000** Lab technician in Danesh Pathobiology Laboratory, Tehran, Iran

Patent Registration

- 2008** Antisense preparing in order to Inhibiting of Iranian *Leishmania major* Pteridine Reductase 1. **Farnaz Kheirandish**, Bahram Kazemi, Mojgan Bandehpour, Nariman Mosaffa. Company Registration and Industrial Property Office. Patent office number: 52464
- 2008** Antibody preparing against Iranian *Leishmania major* Pteridine Reductase 1. **Farnaz Kheirandish**, Bahram Kazemi, Mojgan Bandehpour, Nariman Mosaffa. Company Registration and Industrial Property Office. Patent office number: 52463

Techniques Setup

- 2015** Collaboration in setting up the Immunoparasitology Research Laboratory. School of Medicine. Lorestan University of Medical Sciences
- 2015** Collaboration in setting up the Molecular Parasitology Research Laboratory. School of Medicine. Lorestan University of Medical Sciences

- 2014** Preparation of teaching aids in the form of posters of all slides related to the parasitology course
- 2009** Launching the PCR technique for the first time in the School of Medicine. Lorestan University of Medical Sciences
- 2009** Collaboration in setting up the Real Time PCR in the Research Center of Herbal Medicine. Lorestan University of Medical Sciences
- 2009** Collaboration in setting up the Cellular and Molecular Laboratory in the Research Center of Herbal Medicine. Lorestan University of Medical Sciences
- 2011** Collaboration in setting up the new Parasitology Laboratory in the Research Center of Herbal Medicine. Lorestan University of Medical Sciences
- 2012** Set up the Dye-test in School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran
- 2012** Set up the Protein Electrophoresis in School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran
- 2012** Set up the Cell Culture of Macrophages in School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran

Articles in International Journals

1. Development and evaluation of a Loop-mediated isothermal amplification (LAMP) technique for rapid, accurate, and specific detection of Blastocystis spp. in AIDS patients.
2. Pejman Hashemzadeh, **Farnaz Kheirandish***, Arian Karimi Rouzbahani. Bioinformatics analysis to designing a multi-epitope-based peptide vaccine combat Leishmania major . **Iranian Journal of Medical Microbiology**. SCOPUS **اکسپت شده**
3. Meysam Yusefi, Zahra Arab-Mazar, Shirzad Fallahi, Amirreza Javadi Mamaghani, Shahnaz Sali 1, Naeem Nikpour, Meisam Barati, Arian Karimi Rouzbahani, **Farnaz Kheirandish***. Diagnosis of Toxoplasma Infection in Allogenic Pre HCTSP Patients Using Molecular Methods. Iran J Parasitol: Vol. 17, No. 2, Apr-Jun 2022, pp.231-239.
4. Arian Karimi Rouzbahani, **Farnaz Kheirandish**, Seyedeh Zeinab Hosseini. Design of a multi-epitope-based peptide vaccine against the S and N proteins of SARS-COV-2 using immunoinformatics approach. Egyptian Journal of Medical Human Genetics, 2022, 23:16. <https://doi.org/10.1186/s43042-022-00224-w>

5. Kouros Cherahipour, Masoomeh Zivdari, Marjan Beiranvand, Pegah Shakib, **Farnaz Kheirandish**, Mustafa Zebardast Pour, Mehrnoush Ghafarypour, Abdolrazagh Marzban1, Alaa Kamil Alhameedawi. Encapsulation of Nepeta cataria essential oils in a chitosan nanocomposite with lethality potential against *Toxoplasma gondii*. *Emergent Materials* .<https://doi.org/10.1007/s42247-022-00381-z>. 2022
6. Fatemeh Saleh, **Farnaz Kheirandish***, Farzaneh Hosseini, Fatemeh Yazdian. Evaluation the effect of ZnO nanoparticle derived Bacillus subtilis on the expression of efflux pump genes (AdeB AdeRS) in *Acinetobacter baumannii*. *Journal of Environmental Health Science and Engineering* (2021) 19:1133–1141.
7. Siamak Amiri, Bahar Shemshadi, Saloomeh Shirali, **Farnaz Kheirandish**, Shirzad Fallahi. Accurate and rapid detection of *Fasciola hepatica* copro-DNA in sheep using loop-mediated isothermal amplification (LAMP) technique *Journal: Veterinary Medicine and Science*. 2021; 7:1316–1324.
8. **Kheirandish F**, Marzban A, Masoori L, Nourmohammadi M, Moradpour K, Cherahipour K. Efficacy of Thymol on the Scolices of Hydatid Cyst. *Herb. Med. J.* 2020 (In press).
9. Mohammad-Hossein Shams, Reza Jafari, Nahid Eskandari, Mohsen Masjedi, **Farnaz Kheirandish**, Mazdak Ganjalikhani Hakemi, Ramin Ghasemi, Ali-Mohammad Varzi, Seyyed-Mohsen Sohrabi, Peyman Amanolahi Baharvand, Mozghan Safari. Anti-allergic effects of vitamin E in allergic diseases: An updated review. *International Immunopharmacology*. 2020 (In press).
10. Mohammad-Hossein Shams, Mohammad-Ali Assarehzadegan, Nahid Eskandari, Mohsen Masjedi, **Farnaz Kheirandish**, Ramin Ghasemi, Mazdak Ganjalikhani hakemi, Ali-Mohammad Varzi, Mozghan Safari, Seyyed-Mohsen Sohrabi, Haleh Abdoli Sereshki. Molecular and Immunochemical Characterization of Pop n 2: A New Allergen of *Populus nigra* Pollen. *Clinical and Experimental Allergy*. 2020 (In press).
11. Ebrahim Badparva, **Farnaz Kheirandish***. *Blastocystis hominis*: a pathogenic parasite. *Archive of Clinical Infectious Disease*. 2020 August; 15(4): e97388.
12. Ebrahim Badparva, **Farnaz Kheirandish***, Non-Infection to *Blastocystis* in Cats of Lorestan Province, Iran. *Entomology and Applied Science Letters*. 2020, Volume 7, Issue 1, Page No: 49-53
13. Behnam Ashrafi, Marzieh Rashidipour, Elham Gholami, Ehsan Sattari, Abdolrazagh Marzban, **Farnaz Kheirandish**, Mojtaba Khaksarian, Morovat Taherikalani, Setareh Soroush. Investigation of the phytochemicals and bioactivity potential of essential oil from *Nepeta curvidens* Boiss. & Balansa. *South African Journal of Botany* 135 (2020) 1_8
14. Behnam Ashrafi, Fatemeh Beyranvand, Fatemeh Ashouri, Marzieh Rashidipour, Abdolrazagh Marzban, **Farnaz Kheirandish**, Saeed Veiskarami, Parvin Ramak,

- Somayeh Shahrokhi. Characterization of phytochemical composition and bioactivity assessment of *Pseudotrachydium kotschyi* essential oils. Medicinal Chemistry Research. 2020, <https://doi.org/10.1007/s00044-020-02594-5>.
15. Babak Eshrati, Hamid Mokhayeri, Mohammad Bagher Rokni, **Farnaz Kheirandish**, Moharam Mafi, Ali Mokhayeri, Mohammad Hassan Kayedi. Seroepidemiology of human fascioliasis in rural and nomad areas of Lorestan Province, western Iran, in 2016 and 2017. J Parasit Dis. 2020 Dec;44(4):806-812. doi: 10.1007/s12639-020-01255-z.
 16. **Farnaz Kheirandish***, Shirzad Fallahi, Hossein Mahmoudvand, Ali Araban, Khatereh Anbari, Arian Karimi Rouzbahani, Soheila Akbari. A loop-mediated isothermal amplification (LAMP) assay for detection of *Toxoplasma gondii* infection in women with spontaneous abortion. Archives of Microbiology. 2020, <https://doi.org/10.1007/s00203-020-02081-w>
 17. Saber Nasirpour, **Farnaz Kheirandish**, Shirzad Fallahi. Depression and *Toxoplasma gondii* infection: assess the possible relationship through a seromolecular case–control study. Archives of Microbiology. 2020. <https://doi.org/10.1007/s00203-020-01993-x>
 18. Hossein Keshavarz Valian, Hossein Mirhendi, Mehdi Mohebali, Saeedeh Shojaee, Shirzad Fallahi, Rasool Jafari, **Farnaz Kheirandish**, Parisa Mousavi. Comparison of the RE-529 sequence and B1 gene for *Toxoplasma gondii* detection in blood samples of the at-risk seropositive cases using uracil DNA glycosylase supplemented loop-mediated isothermal amplification (UDGLAMP) assay. Microbial Pathogenesis. 140 (2020) 103938.
 19. Pejman Hashemzadeh, Arian Karimi Rouzbahani, Mojgan Bandehpour, **Farnaz Kheirandish ***, Hassan Dariushnejad, Mohsen Mohamadi. Designing a recombinant multiepitope vaccine against *Leishmania donovani* based immunoinformatics approaches. Minerva Biotechnologica 2020, June;32(2):52-7. DOI: 10.23736/S1120-4826.20.02610-5
 20. Pejman Hashemzadeh, Vajihe Ghorbanzadeh, Hamed Esmaeil Lashgarian, **Farnaz Kheirandish**, Hassan Dariushnejad. Harnessing Bioinformatic Approaches to Design Novel Multi-epitope Subunit Vaccine Against *Leishmania infantum*. International Journal of Peptide Research and Therapeutics. 2019, <https://doi.org/10.1007/s10989-019-09949-6>.
 21. **Farnaz Kheirandish**, Mohammad Hassan Kayedi, Ehsan Mostafavi, Seyede Zeinab Hosseini, Arian Karimi, Rouzbahani & Asadollah Hosseini. The first molecular detection of a Theilerialike species (Apicomplexa: Piroplasmida) in *Meriones persicus* from western Iran J Parasit Dis. 2019, <https://doi.org/10.1007/s12639-019-01180-w>
 22. Mahmoudvand H, Pakravanan M, **Kheirandish F**, Jahanbakhsh S, Sepahvand M, Niazi M, Rouientan A, Aflatoonian MR. Efficacy and Safety *Curcuma zadoaria L.* to inactivate the hydatid cyst protoscoleces. Curr Clin Pharmacol. Current Clinical Pharmacology, 2019, 14, 1-8. doi: 10.2174/1574884714666190918155147.
 23. **Kheirandish F**, Ezatpour B, Fallahi Sh, Tarahi MJ, Hosseini P, Karimi Rouzbahani A, Seyyed Tabaei SJ, Akbari S. *Toxoplasma* serology status and risk of miscarriage, a case-control study among women with a history of spontaneous abortion. Int J Fertil Steril. 2019; 13(3): 184-189. doi: 10.22074/ijfs.2019.5740.

24. Hooman Hanifehpour, Seyed Kamal Samsam Shariat, Mohammad Saleh Ghafari, **Farnaz Kheirandish**, Vafa Saber, Shirzad Fallahi. Serological and Molecular Diagnosis of *Toxoplasma gondii* Infections in Thalassemia Patients. Iran J Parasitol: Vol. 14, No. 1, Jan-Mar 2019, pp.20-28
25. Masoud Behzadifar, Nicola Luigi Bragazzi, Meysam Behzadifar, Wesam Kooti, Ignazio Vecchio, Giulia Malaguarnera, Mariano Martini, Farnaz **Kheirandish**. Human Fasciolosis in Iran: A Meta-Analysis Study. Infectious Disorders - Drug Targets, 2018, 18, 1-6.
26. Ali Chegeni Sharafi, **Farnaz Kheirandish**, Mehrdad Valipour, Mohammad Saki, Elham Nasiri, Sara Darjazini. Seroepidemiology of human cystic echinococcosis among nomads of lorestan province, Iran. Archives of Clinical Infectious Diseases, 2018, 13(3),e62967.
27. Hossein Mahmoudvand, Nadereh Taeae, **Farnaz Kheirandish***, Sedigheh Nadri, Mojgan Faraji Goudarzi, Somayeh Shahkarami. Seroprevalence and Risk Factors of Cystic Echinococcosis among Children in Lorestan Province, Western Iran. Journal of Research in Medical and Dental Science. 2018, Volume 6, Issue 5, Page No: 88-92.
28. Reza Saberi, Vahideh Moin-Vaziri, Homa Hajjaran, Maryam Niyiyati, Niloofar Taghipour, **Farnaz Kheirandish**, Alireza Abadi. Identification of *Leishmania* species using *N-acetylglucosamine-1-phosphate transferase* gene in a zoonotic cutaneous leishmaniasis focus of Iran. *J Vector Borne Dis* 55, March 2018, pp. 14–19
29. **F. Keirandish***, N. Mosaffa, M. J. Tarahi, Sh. Fallahi. Olive leaf extract alters the cytokine profile of *Leishmania* major-infected acrophages. Parasite Immunology, 2018;40: e12520.
30. Leila Masoori, **Farnaz Kheirandish**, Ali Haghighi, Mehdi Mohebali, Behnaz Akhoundi, Niloofar Taghipour, Latif Gachkar, Ali Chegeni-Sharafi, Vahideh MoinVaziri. Molecular-Based Detection of *Leishmania infantum* in Human Blood Samples in a New Focus of Visceral Leishmaniasis in Lorestan Province, Iran. *J Arthropod-Borne Dis*, 2018.
31. **Farnaz Kheirandish**, Ebrahim Badparva, Hossein Mahmmoudvand, Elahe Beiranvand, Simin Babaei, Bahram Nasiri. Genetic characterization of hydatid cysts isolated from domestic animals in lorestan province western iran. Iranian Journal of Parasitology. Iran J Parasitol: Vol. 13, No. 1, Jan -Mar 2018, pp.120-126.
32. Hossein Mahmoudvand, Nadereh Taeae, **Farnaz Kheirandish**, Fereshteh Faramarzi. Seroprevalence of *Toxoplasma gondii* antibodies and associated risk factors among children in Lorestan provinces, Iran. 6thICCSBs2017. The Annual International Conference on Cognitive - Social, and Behavioural Sciences. ISSN: 2357-1330. <http://dx.doi.org/10.15405/epsbs.2017.11.13>
33. Shirzad Fallahi, Maryam Beiranvand, Hossein Mahmoudvand, Hassan Nayebzadeh, **Farnaz Kheirandish**, Sareh Jahanbakhsh. Chemical composition, acute and sub-acute toxicity of satureja khuzestanica oil in mice. Marmara Pharmaceutical Journal. 2017, 21(3).

34. Vahid Fallah Omrani, Soheila Rohani, Bahram Kazemi, Seyyed Javad Seyyeddtabaei, **Farnaz Kheirandish** *, Maysam Rezapour. Seroprevalence of IgG antibodies against *Echinococcus granulosus* by ELISA Method Using RecombinaNT Agb in Lorestan Province, Western Iran. Iran J Public Helth. 2017, 46(8).
35. Shirzad Fallahi, Ali Rostami, Mehdi Birjandi, Nozhat Zebardast, **Farnaz Kheirandish**, Adel Spotin. Parkinsons disease and *Toxoplasma gondii* infection: sero molecular assess the possible link among patients. Acta Tropica. 2017, VOL: 173.
36. Ebrahim Badparva, **Farnaz Kheirandish**. Epidemiology of pathogenic parasite *Histomonas meleagridis* in poultry in Lorestan province, western Iran. J Parasit Dis, 2017. 10.1007/s12639-017-0931-5.
37. Hossein, Mahmoudvand, Maryasm Beyranvand, Hassan Nayebzadeh, Shirzad Falahi, Seyed Reza Mirbadeie, **Farnaz Kheirandish**, Mohammad Hassan Kayedi. Chemical composition and prophylactic effects of *Saturja khuzestanica* essential oil on acute toxoplasmosis in mice. African Journal of Traditional, Complementary and Alternative medicines. 2017, 14 (2).
38. **Farnaz Kheirandish**, Hossein Mahmoudvand, Mojtaba Ahmadinejad, Arian Karimi Rouzbahani. Genetic characterization of human-derived hydatid cysts of *Echinococcus granulosus* in lorestan Province, Western Iran. Tropical Biomedicine, 2017, 34(3).
39. Roya Salehi, Ali Haghghi, C. Rune Stensvold, **Farnaz Kheirandish**, **Eznoallah Azargashb**, Saber Raeghi, Kobra Kohansal, Fares Bahrami. Prevalence and subtype identification of *Blastocystis* isolated from humans in Ahvaz, Iran. Gastroenterology and Hepatology from bed to bench. 2017, 1(1).
40. **Farnaz Kheirandish**, Bahram Delfan, Shirzad Fallahi, Mohammad Hasan Kayedi, Marzieh Rashidipour, Sareh Jahanbakhsh. Leishmanicidal effects of *Olea europaea* linn. extract against promastigote and amastigote forms of some *Leishmania* SPP. International Journal of Pharmaceutical Sciences and Research, 2017, 8(11).
41. Mohammad Reza Aflatoonian, Mojgan Saki, **Farnaz Kheirandish**, Hossein Mahmoudvand, Mohammad Reza Nazer. Lethal effects of *Pistacia atlantica* leaves extract against protoscoleces of hydatid cysts. International Journal of Pharmaceutical Sciences and Research, 2017, 8 (11).
42. Hossein Mahmoudvand, **Farnaz Kheirandish**, Seyed Reza Mibadie, Mohammad Hassan Kayedi, Tahereh Rezaei Riabi, Abbas Ali Ghasemi, Mehdi Bamorovat, Iraj Sharifi. The potential use of methotrexate in the treatment of cutaneous leishmaniosis: In vitro Assays against sensitive and meglumine Antimoniate – resistant strains of *Leishmania tropica*. Iran J Parasitol. 2017, 12(3).
43. **Farnaz Kheirandish**, Hossein Mahmoudvand, Ali Khamesipour, Farzad Ebrahimzadeh, Farnaz Behrahi, Setareh Rezaei, Bahram Delfan. The therapeutic effects of olive leaf extract on *Leishmania major* infection in BALB/c mice. Marmara pharmaceutical Journal. 2017, 21(4).
44. Zahra Arab mazar-**Farnaz Kheirandish**- simin rajaiean Anti –toxoplasmosis activity of

herbal medicines: narrative review. Herbal Medicines Journal, 2017, 2(1).

45. Mohsen Rahimi- **Farnaz Kheirandish**- Zahra Arab mazar- Aliyar mirzapour. Level of liver Enzymes in patients with Mono-Parasitic infection. Infection Epidemiology & Microbiology. 2107.
46. Ebrahim Badparva, Behrouz Ezatpour, Hossein Mahmoudvand, Masoud Behzadifar, Meysam Behzadifar, **Farnaz Kheirandish**. Prevalence and genotype analysis of *Blastocystis hominis*. in Iran: systematic review meta-analysis Arch Clin Infect Dis. 2017, **VOL**: 12, **NO**: 1
47. Vajdian R, Mosafa N, Seyed Tabaei SJ, **Kheirandish F ***, Tarahi MJ, Arab-Mazar Z, et al. Effect of Olive Leaf Extract on Cytokines Secreted by Macrophage. Novel Biomed. 2016;4(3):116-20.
48. Ali Chegeni Sharafi, Mohammad Hassan Kayedi, Hamid Amani, Mohammad Saki, Hamid Mokhayeri, **Farnaz Kheirandish**, Shirzad Fallahi, Hossein Mahmoudvand, Asghar Sepahvand, Zohreh Kayedi, Ecological Study of Cutaneous Leishmaniasis Vectors in West of Iran. Journal of Chemical and Pharmaceutical Research, 2016, 8(9):105-110.
49. Hossein Mahmoodvand, Majid Torkashvand, **Farnaz Kheirandish**, Behrouz Ezatpour, Seyed Reza Mirbadie, Sareh Jahanbakhsh. Assessment of the in vitro antileishmanial and cytotoxic activity of Nectaroscordum tripedale fruit extract. Entomology and Applied Science. Letters, 2016, 3, 3S: 1-5.
50. Hossein Mahmoudvand, Amir Tavakoli Karesh, Mirbadie SR, **Kheirandish Farnaz**, Razieh Tavakoli, Ezatpour Behrouz, Hormoz Mahmoudvand. Efficacy and safety of *Bunium persicum* (Boiss) to inactivate protoscoleces during hydatid cyst operation. Surg Infect (Larchmt). 2016 Dec;17(6):713-719. Epub 2016 Aug 8.
51. Mohammad Menati Rashno, Shirzad Fallahi, **Farnaz Kheirandish**, Shahrokh Bagheri, Mohammad Hassan Kayedi, Mehdi Birjandi. Seroprevalence of Toxoplasma gondii Infection in Patients with Alzheimer's Disease. Arch Clin Infect Dis. 2016 July; 11(3): e37205.
52. **Farnaz Kheirandish**, Hedayat Nazari, Hossein Mahmoudvand, Yaser Yaseri, Mohammad Javad Tarahi, Shirzad Fallahi, Behrouz Ezatpour. Possible Link Between Toxoplasma gondii Infection and Mood. Disorders in Lorestan Province, Western Iran Arch Clin Infect Dis. 2016 October; 11(4): e36602.
53. **Farnaz Kheirandish**, Mohammad Hassan Kayedi, Behrouz Ezatpour, Khatere Anbari, Hamid Reza Karimi Rouzbahani, Ali Chegeni Sharafi, Abolfazl Zendehtdel, Negar Bizhani, Mohammad Bagher Rokni. Seroprevalence of Human Fasciolosis in Pirabad, Lorestan Province, Western Iran. Iran J Parasitol: Vol. 11, No. 1, Jan -Mar 2016, pp. 24-29.
54. Sima Rasti, Baharak Ghorbanzadeh, **Farnaz Kheirandish***, Seyed Gholamabbas Mousavi, Ahmad Pirozmand, Hossein Hooshyar, and Bathol Abani. Comparison of

- molecular, microscopy and culture methods for diagnosis of cutaneous leishmaniasis. *Journal of Clinical Laboratory Analysis*. 30: (2016) 610–615.
55. Ebrahim Badparva, Sajad Badparva, Masoud Badparva, **Farnaz Kheirandish**. Comparing effect of some herbal medicines extract with metronidazole for treatment of Trichomoniasis in birds. *Der Pharma Chemica*, 2016, 8(6):241-244.
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 58. Hossein Azizi, **Farnaz Kheirandish**, Mohsen Mirzaei. Frequency of Extended-Spectrum Beta-Lactamase (ESBLs) –Multidrug Resistance Produced by *Pseudomonas aeruginosa* Isolated from Clinical Specimens in Khorramabad City, Iran. *British Microbiology Research Journal* 5(6): 490-495, 2015, Article no. BMRJ.2015.052
 59. Hossein Mahmoudvand, Ebrahim Saedi Dezaki, Behrouz Ezatpour, Iraj Sharifi, **Farnaz Kheirandish**, Marzieh Rashidipour. In vitro and in vivo antileishmania activities of *Pistacia vera* essential oil. *Planta Medica*. 2015. 10.1055/s-0035-1558209
 60. Hossein Mahmoudvand, **Farnaz Kheirandish**, Ebrahim Saedi Dezaki, Saeedeh Shamsaddini, Majid Fasihi Harandi. Chemical composition, efficacy and safety of *Pistacia vera* (var. Fandoghi) to inactivate protoscoleces during hydatid cyst surgery. *Biomedicine & Pharmacotherapy*, 2016, 82: 393–398.
 61. Hossein Mahmoudvand, **Farnaz Kheirandish**, Mehdi Ghasemi Kia, Amir Tavakoli Kareshk & Mohammad Yarahmadi. Chemical composition, protoscolicidal effects and acute toxicity of *Pistacia atlantica* Desf. fruit extract, *Natural Product Research: Formerly Natural Product Letters*, 2015, DOI: 10.1080/14786419.2015.1046868
 62. Mahmoudvand, Hossein; Saedi Dezaki, Ebrahimm; Soleimani, Saied; Baneshi, Mohammad Reza, **Kheirandish Farnaz**, Ezatpour, Behrouz, Ziaali, Naser. Seroprevalence and risk factors of *Toxoplasma gondii* infection among healthy blood donors in southeast of Iran. *Parasite immunology*, 2015, 37, 362–367.
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 64. Baharak Ghorbanzadeh, Sima Rasti, **Farnaz Kheirandish**, Ahmad Piroozmand, Gholamabbas Mousavi, Bathol Abani. Molecular Diagnosis and Characterization of *Leishmania* Species from Clinical specimens in Kashan, Iran 2012 – 2013. *Journal of pure and applied microbiology*. *Journal of Pure and Applied Microbiology*, Dec. 2014. Vol. 8(6), p. 4481-4487.

65. Ebrahim Badparva, **Farnaz Kheirandish***, Farzad Ebrahimzade. Prevalence of intestinal parasites in Lorestan Province, West of Iran. *Asian Pacific Journal of Tropical Disease*. 2014; 4(1): 930- 934.
66. Fatemeh Saleh, Hossein Azizi, **Farnaz Kheirandish***, Fariborz Rashnou, Davoud Musavinasab, Fatollah Movahedi, Maryam Azizi. Frequency of HCV and HBV Co-infections in HIV Positive Patient in City of Iran: A Cross-sectional Study. *International Journal of tropical disease & health*. 2015, 6(1): 14-19.
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68. Fatemeh Saleh, **Farnaz Kheirandish**, Hossein Azizi, Maryam Azizi. Molecular Diagnosis and Characterization of *Bacillus subtilis* Isolated from Burn Wound in Iran. Original Research Article. *Research in Molecular Medicine* .2014, 2(2): 1-5.
69. Hossein Azizi, **Farnaz Kheirandish**, Fatemeh Saleh, Mehdi Moazzami Gudarzi. First Report of Wound Infection with *Bacillus pumilus* in Iran. *Annual Research & Review in Biology*. 2014, 4(21): 3220-3226.
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71. **Farnaz Kheirandish***, Mohammad Javad Tarahi, Behrouz Ezatpour. Prevalence of intestinal parasites among food handlers in West of Iran. *Revista do Instituto de Medicina Tropical de São Paulo*. March-April, 2014, 56(2):111-114.
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73. **Farnaz Kheirandish**, Mojgan Bandehpour, Nooshin Davoudi, Nariman Mosaffa, Saleh Dawood, Bahram Kazemi, Ali Haghighi, Ali Khamesipour, Heydar Masjedi, Mehdi Mohebali, Fereydoun Mahboudi. Gene regulation of pteridine reductase 1 in *Leishmania* promastigotes and amastigotes using a full-length antisense construct. *Molecules*. Iranian Journal of Parasitology. Apr-Jun 2013, Vol. 8, No.2, 190-196.
74. **Farnaz Kheirandish***, Mohamad Chegeni Sharafi, Bahram Kazemi, Mojgan Bandehpour, Mohamad javad Tarahi, Ali Khamesipour. First molecular identification of *Leishmania* species in a new endemic area of cutaneous leishmaniasis in Lorestan, Iran. *Asian Pacific Journal of Tropical Medicine*, 2013, 713-717
75. **Farnaz Kheirandish**, Ali Chegeni Sharafi, Bahram kazemi, Mehdi Mohebali, Amanollah Sarlak, Mohamad Javad Tarahi, Kouros Holakouee, Homa Hajaran. Identification of *Leishmania* Species Using PCR Assay on Giemsa-Stained Slides Prepared from Cutaneous Leishmaniasis Patients. *Iranian J Parasitol*. July -Sep 2013, Vol. 8, No.3, 382-

76. **Farnaz Kheirandish**, Mojgan Bandehpour, Ali Haghighi, Fereydoun Mahboudi, Mehdi Mohebali, Bahram Kazemi, Inhibition of *Leishmania major* PTR1 gene expression by antisense in *Escherichia coli*, Iranian J Publ Health, Jun 2012, Vol. 41, No.6, 65-71.
77. **Farnaz Kheirandish**, Bahram Delfan, Somaye Farhadi, Behrouz Ezatpour, Ali Khamesipour, Bahram Kazemi, Farzad Ebrahimzade, Marzieh Rashidipour. The effect of *Satureja Khuzeutonica* extract on the lesions induced by *L. major* in BALB/c mice, African Journal of Pharmacy and Pharmacology, 2011, Vol. 5, No. 5, 648-653.
78. **Farnaz Kheirandish**, Ebrahim Badparva, Ali Haghighi, Ehsan Nazemalhosseini-Mojarad, Bahram Kazemi, Differential diagnosis of *Entamoeba* spp. in gastrointestinal disorder patients in Khorramabad, Iran, African Journal of Microbiology Research, 2011, Vol. 5, No. 18, 2863-2866.
79. **Farnaz Kheirandish**, Mohamad javad Tarahi, Ali Haghighi, Ehsan Nazemalhosseini-Mojarad, Mehrnaz Kheirandish, Prevalence of Intestinal Parasites in Bakery Workers in Khorramabad, Lorestan Iran. Iranian J Parasitol, 2011, Vol. 6, No. 4, 76-83.
80. **Farnaz Kheirandish**, Mojgan Bandehpour, Nushin Davoudi, Nariman Mosaffa, Fereydoun Mahboudi, Bahram Kazemi, Ali Haghighi, Mehdi Mohebali. Inhibition of pteridine reductase 1 (PTR1) expression in *Leishmania* promastigotes using a full-length antisense construct. natureprecedings, hdl:10101/npre.2009.2807.1, peer review
81. **Kheirandish F**, Bandehpour M, Haghighi A, Mohebali M, Mahboudi F, and Kazemi B, Molecular cloning, Expression and Enzymatic assay of Iranian *Leishmania major* pteridine reductase1, Iranian J parasitol, 2008, Vol.3, No.2, pp.1-9.

Article in national Journals (Persian language)

1. Fallahi Sh, Chahichi Isfahan, **Kheirandish F** *, Birjandi M, Hashemzadeh P. A Survey on the knowledge of senior students of the school Related to Pregnant Women at Lorestan University of Medical Sciences In the second semester of 1986 on congenital toxoplasmosis. Yafte. 2021; 23(88):147-157.
2. Fatemeh Saleh, Farzaneh Hosseini, Farnaz Kheirandish, Fatemeh Yazdian. Evaluation of the Inhibitory Effect of Biosynthetic Zinc Oxide Nanoparticles on the Expression of Efflux Pumps Genes (AdeA, AdeC) in Clinical Strains of *Acinetobacter baumannii*. Genetic Engineering and Biosafety Journal. Volume 10, Number 1, 2021

3. Mahmoudvand H, Mirzaei M, Khatami M, Mahmoudvand H, **Kheirandish F**, Niazi M, Sepahvand M, Nadri S. In vitro and ex vivo effects of Quercus infectoria extract on hydatid cyst protoscolex. *Yafte*. 2019; 21(3):144-152.
4. Akbari M, Badparva E, **Kheirandish F**. Frequency of Blastocystis hominis in Diarrheal patients refer to health centers, Khorramabad, Lorestan province. *Lab News Magazine*. Vol.14 No.137 June, July 2015
5. Afsaneh Shaban, Jamileh Norrozi, Gholamreza Goudarzi, **Farnaz Kheirandish**. Study on presence of pap G II and pap G III genes in *E. coli* isolated from urine and blood hospitalized patients' in Khorramabad city, Iran. *Pajouda Journal*. 1393, Ninth year, No. 27, 17-26.
6. LeilaMasoori, Vahideh Moin-Vaziri, **Farnaz Kheirandish**, Behnaz Akhoundi, Ali Haghighi, LatifGach-kar, Alireza Abadi, Ali Chegeni Sharati, Mehdi Mohebali. Sero-Prevalence Study of Visceral Leishmaniasis Using Direct Agglutination Test (DAT) in Children Up to 12 Years Old in Delphan City, Lorestan Province: Introduce A New Focus of VL in Iran. *Medical Journal of Tabriz University of Medical Sciences and Health Services* Vol 36, No. 6, Feb. - Mar. 2015, Pages: 68-73
7. Ebrahim Badparva, **Farnaz Kheirandish**, Javid Sadraee. Molecular study of zoonotic parasite of *Blastocystis sp.* in birds in Khorramabad city, Lorestan province. *Pajouda Journal*. 1393, Ninth year, No. 27, 53-58.
8. Leila Masoori, **Farnaz Kheirandish**, Mehdi Mohebali, Behnaz Akhoundi, Ali Haghighi, Latif Gach-kar, Ali Chegeni Sharafi, Vahideh Moin-Vaziri. Sectional study on visceral leishmaniasis in Dowreh Chegini county, Lorestan province by serological and molecular methods. *Pajouda Journal*. 2014, Vol 26, 106-114.
9. Fatemeh Saleh, Mahmoud Rezazad Bari, **Farnaz Kheirandish**. Optimization of Biosurfactant Production by *Pseudomonas aeruginosa* Isolated from Activated Sludge Reservoirs using Waste Oil. *Pajouda Journal*. 2014, Vol 25, 62-72.
10. Ebrahim Badparva, **Farnaz Kheirandish***, Javid Sadraee, Mehdi Frouzandeh. A molecular prevalence of *Blastocystis sp* in cattles in khorramabad city, Lorestan province by PCR. *Journal of Veterinary Laboratory Research*. 1392, vol 6, no 1, 51-58.
11. **Farnaz Kheirandish**, Ali Sheikhian, Mohamad Javad Tarahi, Efficiency and acceptability of continuous evaluation (Quiz method) for nursing and Midwifery students in the course of medical parasitology in Lorestan University of Medical Sciences. *Journal of Aflak*. Spring & Summer 2010, Vol 6, No 18, 19. 19-24.
12. Ebrahim Badparva, Javid Sadraee, Mehdi Frouzandeh, **Farnaz Kheirandish**. Molecular epidemiology of *Blastocystis hominis* in patients in laboratories of Khorramabad. *Journal of Yafte*. 2012, Vol 14, No. 4. 107-112.
13. Fatemeh Ghafari, **Farnaz Kheirandish**, Bahram Kazemi, Davoud Ghafari, Mojgan Bandehpour. Expression of human serum Albumin in *E. coli* BL21 (DE3). *Journal of cellular and molecular biotechnology*. 2012; Vol. 9, 61-66.

14. Badparva E, Papi OA, **Kheirandish F**, Pournia Y, Azizi M. Sensitivity assessment of direct method for diagnosis of *Trichomonas vaginalis* in comparison with Dorset Culture media. Journal of Yafte. 2010, Vol. 12, No. 1, 25-31.
15. **Kheirandish Farnaz**, Haghighi Ali. Amoebapore. Journal of Tashkhis, 2005, Vol. 37, 22-25.
16. **Kheirandish F**, Badparva E, Tarahi MJ. Prevalence of intestinal parasites in bakery in Khorramabad city. Journal of Yafte. 2003, Vol. 5, No. 17, 45-49.
17. **Kheirandish F**, Amoebiasis. Journal of Health, 2001, Vol. 1, 1-3.
18. **Kheirandish Farnaz**, Mohebali Mehdi, Zohre Eslami. Dynamic growth of amastigotes in human macrophages. Journal of Hakim. 2001, Vol. 5, No. 2, 127-132.

Honors and Awards

- | | |
|-------------|--|
| 2020 | Top Researcher at Lorestan University of Medical Sciences, Khorramabad, Iran |
| 2019 | Certificate of complete mastery of laboratory techniques and activities in medical laboratories in the fields of Medical Parasitology, Medical Biotechnology, Cell Culture and Molecular Diagnostic Methods over the past 10 years |
| 2018 | Select as the Best Professor (to receive the university's Professor of the Year Award) at Lorestan University of Medical Sciences, Khorramabad, Iran |
| 2018 | Top Researcher at Lorestan University of Medical Sciences, Khorramabad, Iran |
| 2018 | Appreciation for the efforts in the realization of the package activities of the transformation and Innovation Plan in Education at Lorestan University of Medical Sciences, Khorramabad, Iran |
| 2018 | Appreciation of valuable efforts and seriousness and conscientiousness in order to implement the operational plan of 2018 in the field of education of Lorestan University of Medical Sciences |
| 2017 | Received a commendation letter from the governor for being the Top University Researcher among researchers in Lorestan province |
| 2017 | Receive a grant letter from the Vice Chancellor for Research and Technology, Lorestan University of Medical Sciences, Khorramabad, Iran |
| 2017 | Top Researcher at Lorestan University of Medical Sciences, Khorramabad, Iran |
| 2016 | Top Researcher at Lorestan University of Medical Sciences, Khorramabad, Iran |
| 2015 | Received a commendation letter from the governor for being the Top University Researcher among researchers in Lorestan province |
| 2015 | Top Researcher at Lorestan University of Medical Sciences, Khorramabad, Iran |

- 2015** Efforts to achieve the goals of the university in order to implement the plan of Transformation and Innovation in University Education, Lorestan University of Medical Sciences, Khorramabad, Iran
- 2013** Appreciation of Valuable and Honest Scientific Services to the Medical School
- 2013** Top Researcher at Lorestan University of Medical Sciences, Khorramabad, Iran
- 2011** Top Researcher at Lorestan University of Medical Sciences, Khorramabad, Iran
- 2008** Top Researcher at Lorestan University of Medical Sciences, Khorramabad, Iran
- 2008** Top student (The first student) in PhD of Medical Parasitology, Shahid Beheshti University of Medical Sciences, Tehran, Iran
- 2008** Receive a Certificate Letter from Professor James De. Voss, regarding spending a 6-month course in his laboratory at the University of Queensland from 22nd October 2007 until the 23th April 2008.
- 2007-2008** 6-month financial support from Iran's Ministry of Health, Treatment and Medical Education for completing the PhD degree at School of Chemistry and Molecular Biosciences at University of Queensland, Brisbane, Australia
- 2003** Third place in PhD entrance exam of Medical Parasitology
- 2000** Top student in MSc of Medical Parasitology, Tehran University of Medical Sciences, Tehran, Iran
- 1997** Third place in MSc entrance exam of Medical Parasitology

Registered Genes

I have 32 genes registered in the gene bank.

1. GenBank MN832852.1: Assarehzadegan, M.A., Shamsbiranvand, M.H., Masjedi, M., Eskandari, N., **Kheirandish, F.**, Ghasemi, R., Ganjalikhani Hakemi, M., <https://www.ncbi.nlm.nih.gov/nuccore/MN832852.1>
2. GenBank EF113119: **Kheirandish-Gh.Kh.N. F.**, Kazemi B, Bandehpour M, Mohebali M, Haghighi A, Mahbodi F, <https://www.ncbi.nlm.nih.gov/nuccore/EF113119>
3. GenBank AB894351 :qnrB16: Azadpour, M. **Kheirandish, F.** Soleimani Asl, Y. Mahmoudvand, H. <https://www.ncbi.nlm.nih.gov/nuccore/AB894351>
4. GenBank AB894352 :qnrB60: Azadpour, M. **Kheirandish, F.** Soleimani Asl, Y. Mahmoudvand, H. <https://www.ncbi.nlm.nih.gov/nuccore/AB894352>

5. GenBank AB894353 :qnrB66: Azadpour, M. **Kheirandish, F.** Soleimani Asl, Y. Mahmoudvand, H. <https://www.ncbi.nlm.nih.gov/nuccore/AB894353>
6. GenBank AB894354 :qnrS86: Azadpour, M. **Kheirandish, F.** Soleimani asl, Y. Mahmoudvand, H. <https://www.ncbi.nlm.nih.gov/nuccore/AB894354>
7. GenBank AB894355 :qac25-qacD: Mozghan Azadpour, Jamile Nowroozi, Gholam Reza Goudarzi, **Farnaz kheirandish.** <https://www.ncbi.nlm.nih.gov/nuccore/AB894355>
8. GenBank AB894356 :qac49-qacD: Mozghan Azadpour, Jamile Nowroozi, Gholam Reza Goudarzi, **Farnaz kheirandish.** <https://www.ncbi.nlm.nih.gov/nuccore/AB894356>
9. GenBank AB894357 :BSA13: Saleh, F., **Kheirandish, F.**, Azizi, H. <https://www.ncbi.nlm.nih.gov/nuccore/AB894357>
10. GenBank AB894358 :BSA31: Saleh, F., **Kheirandish, F.**, Azizi, H. <https://www.ncbi.nlm.nih.gov/nuccore/AB894358>
11. GenBank JX104546: **Kheirandish, F.**, Chegeni Sharafi, A., Kazemi, B., Bandhepour, M. <https://www.ncbi.nlm.nih.gov/nuccore/JX104546>
12. GenBank JX025361: **Kheirandish, F.**, Kazemi, B., Chegeni Sharafi, A., Bandhepour, M. <https://www.ncbi.nlm.nih.gov/nuccore/JX025361>
13. GenBank JX183382: **Kheirandish, F.**, Chegeni Sharafi, A., Kazemi, B., Mohebbali, M. <https://www.ncbi.nlm.nih.gov/nuccore/JX183382>
14. GenBank JX183383: **Kheirandish, F.**, Chegeni Sharafi, A., Kazemi, B., Mohebbali, M. <https://www.ncbi.nlm.nih.gov/nuccore/JX183383>
15. GenBank ST2 B JX524457 : Badparva, E., **Kheirandish, F.**, Sadraee, J. Frouzandeh, M. <https://www.ncbi.nlm.nih.gov/nuccore/JX524457>
16. GenBank ST2 H JQ976893: Badparva, E., **Kheirandish, F.**, Sadraee, J., Frouzandeh, M. <https://www.ncbi.nlm.nih.gov/nuccore/JQ976893>
17. GenBank ST3 H1 JX483861: Badparva, E., **Kheirandish, F.**, Sadraee, J., Frouzandeh, M. <https://www.ncbi.nlm.nih.gov/nuccore/JX483861>
18. GenBank ST3 H2 JX483862: Badparva, E., Sadraee, J., **Kheirandish, F.**, Frouzandeh, M. <https://www.ncbi.nlm.nih.gov/nuccore/JX483862>
19. GenBank ST3 C1 JX483863: Badparva, E., **Kheirandish, F.**, Sadraee, J., Frouzandeh, M. <https://www.ncbi.nlm.nih.gov/nuccore/JX483863>
20. GenBank ST3 C2 JX483864: Badparva, E., Sadraee, J., **Kheirandish, F.**, Frouzandeh, M. <https://www.ncbi.nlm.nih.gov/nuccore/JX483864>
21. GenBank ST5 H JX524458: Badparva, E., Sadraee, J., **Kheirandish, F.**, Frouzandeh, M. <https://www.ncbi.nlm.nih.gov/nuccore/JX524458>

22. GenBank ST5 C JX524459: Badparva, E., **Kheirandish, F.**, Sadraee, J., Frouzandeh, M.
<https://www.ncbi.nlm.nih.gov/nuccore/JX524459>
23. GenBank ST6 C JX524460: Badparva, E., **Kheirandish, F.**, Sadraee, J., Frouzandeh, M.
<https://www.ncbi.nlm.nih.gov/nuccore/JX524460>
24. GenBank MN615129: Shahmohammadi, M., Mohammadi, M., Sohrabi, S.M.,
Kheirandish, F., Ghasemian Yadegari, J. <https://www.ncbi.nlm.nih.gov/nuccore/MN615129>
25. GenBank MN615130: Shahmohammadi, M., Mohammadi, M., Sohrabi, S.M.,
Kheirandish, F., Ghasemian Yadegari, J. <https://www.ncbi.nlm.nih.gov/nuccore/MN615130>
26. GenBank MN615131: Shahmohammadi, M., Mohammadi, M., Sohrabi, S.M.,
Kheirandish, F., Ghasemian Yadegari, J. <https://www.ncbi.nlm.nih.gov/nuccore/MN615131>
27. GenBank MN615132: Shahmohammadi, M., Mohammadi, M., Sohrabi, S.M.,
Kheirandish, F., Ghasemian Yadegari, J. <https://www.ncbi.nlm.nih.gov/nuccore/MN615132>
28. GenBank MN615133: Shahmohammadi, M., Mohammadi, M., Sohrabi, S.M.,
Kheirandish, F., Ghasemian Yadegari, J. <https://www.ncbi.nlm.nih.gov/nuccore/MN615133>
29. GenBank MN615134: Shahmohammadi, M., Mohammadi, M., Sohrabi, S.M.,
Kheirandish, F., Ghasemian Yadegari, J. <https://www.ncbi.nlm.nih.gov/nuccore/MN615134>
30. GenBank MN995468: **Kheirandish, F.**, Hosseini Chegeni, A., Kayedi, M.H., Karimi
Rouzbahani, A., Hosseini, S.Z., Fallahi, S., Asadi, N.
<https://www.ncbi.nlm.nih.gov/nuccore/MN995468>
31. GenBank MN995469: **Kheirandish, F.**, Hosseini Chegeni, A., Kayedi, M.H., Karimi
Rouzbahani, A., Hosseini, S.Z., Fallahi, S., Asadi, N.
<https://www.ncbi.nlm.nih.gov/nuccore/MN995469>
32. GenBank MN995470: **Kheirandish, F.**, Hosseini Chegeni, A., Kayedi, M.H., Karimi
Rouzbahani, A., Hosseini, S.Z., Fallahi, S., Asadi, N.
<https://www.ncbi.nlm.nih.gov/nuccore/MN995470>

Executive Records & Membership in Councils

2020- Present	Deputy of Research, School of Medicine, Lorestan University of Medical Sciences
2020- Present	Member of the Senior Academic Review Committee, Lorestan University of Medical Sciences
2020-Present	Member of the Financial Committee of the Medical School, Lorestan University of Medical Sciences
2020-- Present	Member of Ethics Committee of Medical School, Lorestan University

of Medical Sciences

- 2020- Present** Member of the Research Council of the School of Medicine, Lorestan University of Medical Sciences
- 2020- Present** Member of the Educational Council of the School of Medicine, Lorestan University of Medical, Sciences
- 2020- Present** Member of the Management Council of the School of Medicine, Lorestan University of Medical Sciences
- 2020- Present** Member of Post Graduate Council of Medical School, Lorestan University of Medical Sciences
- 2020- Present** Member of the regional working group on entrepreneurship package and moving towards the Third Generation University, the General Secretariat of the four-region of the country
- 2019- Present** Member of the Ministerial Board of Medical Parasitology
- 2019- Present** Member of the Course Implementation Committee of the School of Medicine, Lorestan University of Medical Sciences
2019- Present
- 2019- Present** Responsible for Student Evaluation Committee, School of Medicine, Lorestan University of Medical Sciences
- 2019- Present** Member of Research Council of Razi Herbal Medicine Research Center, Lorestan University of Medical Sciences
- 2018- Present** Responsible for Student Evaluation, Institutional Accreditation Standards, School of Medical, Lorestan University of Medical Sciences
- 2018- 2021** Department Head of Parasitology and Mycolog, School of Medicine, Lorestan University of Medical Sciences
- 2018- Present** Member of University Educational Council, Lorestan University of Medical Sciences
- 2018- Present** Member of the Entrepreneurship Committee in the context of Third Generation Universities in the 4th region of the country
- 2016- Present** Main faculty member of Biotechnology Department, School of Medicine, Lorestan University of Medical Sciences
- 2016- Present** Responsible for the package to move to Third Generation Universities, Lorestan University of Medical Sciences
- 2016** Participated as a Scientific Committee member of 8th International Congress of Laboratory and Clinical, 1th National Congress of Basic medical Scieces

and the Knowledge-based production

- 2015- Present** Editor and Executive Director of Herbal Medicines Journal, Lorestan University of Medical Sciences, <http://hmj.lums.ac.ir/index.php/hmj/about/editorialTeam>
- 2015** Member of the Presidium of the 5th Biennial Congress of Medical Error Prevention, Lorestan University of Medical Sciences
- 2012- 2014** Member of the Editorial Board of Pejuda Quarterly Journal, Tehran University of Medical Sciences
- 2012-2014** Member of Biotechnology Committee of Lorestan University of Medical Sciences
- 2012** Member of the Scientific Committee of the 4th National Congress for the Prevention of Medical Errors, Lorestan University of Medical Sciences
- 2010-2012** Department Head of Parasitology and Mycology, School of Medicine, Lorestan University of Medical Sciences,
- 2010- 2012** Responsible for the strategic committee for academic failure of medical school, Lorestan University of Medical Sciences
- 2010- 2012** Permanent member of the Educational Council of the School of Medical, Lorestan University of Medical Sciences
- 2010** Member of the Presidium of the National Congress of Traditional Medicine, Integrated Therapies and Herbal Medicines, Lorestan University of Medical Sciences
- 2009- Persent** Member of the Research Council of the School of Medicine, Lorestan University of Medical Sciences
- 2009-2012** Representative of the Iranian Scientific Association of Parasitology and member of the Council of the Society of Laboratories of Lorestan Province
- 2009- Persent** Member of the Contract Renewal Committee of the faculty members of the School of Medicine, Lorestan University of Medical Sciences
- 2008-2010** Member of the Course Implementation Council of Lorestan University of Medical Sciences
- 2008-2010** Responsible for Planning Based on Basic Medical Standards (Basic Science Education Program), School of Medicine, Lorestan University of Medical Sciences
- 2008-2010** Academic Deputy of Basic Sciences, School of Medicine, Lorestan University of Medical Sciences
- 2008-2010** Head of Cellular-Molecular Laboratory of Razi Herbal Medicine

Research Center, Lorestan University of Medical Sciences

- 2003-2005** Executive Director of Ofogh Magazine, Education Development Center,
Lorestan University of Medical Sciences
- 2003-2005** Editorial Board of Ofogh Magazine, Education Development Center,
Lorestan University of Medical Sciences
- 2002-2004** Member of Research Council in Education, Education Development Center,
Lorestan University of Medical Sciences
- 2002-2003** Department Head of Parasitology and Mycoligy, School of Medicine,
Lorestan University of Medical Sciences

Peer-reviewer and referees for articles, proposals and theses defence

- The reviewer of the papers in congresses
- The reviewer of the articles in National and International Journals
- The reviewer of theses in different disciplines and levels in several universities
- The preliminary and final reviewer of research projects of Universities and Research Centers
- The supervisor of the research projects

Papers presented in Congress

1. **Farnaz Kheirandish**, Arian Karimi Rouzbahani, Hossein Mahmoudvand, Shirzad Fallahi, Ebrahim Badparva. G1 genotype is predominant strain of Cystic Echinococcosis in Lorestan province. 4th International Congress and the 11th National Congress of Parasitology and Parasitic Diseases of Iran, 9-11 OCT, 2019, Urmia, Iran.
2. Ebrahim Badparva, **Farnaz Kheirandish**. Epidemiology of Pathogenic Parasite *Histomonas meleagridis* in Poultry in Lorestan province, Western Iran. 4th International Congress and the 11th National Congress of Parasitology and Parasitic Diseases of Iran, 9-11 OCT, 2019, Urmia, Iran.
3. Parisa Mousavi, Hossein Keshavarz Valian, Hossein Mirhendi, Mehdi Mohebbali, Saeede Shojaee, Shirzad Fallahi, Rasool Jafari, **Farnaz Kheirandish**. Comparison of the RE-529 sequence and B1 for *Toxoplasma gondii* detection in blood samples of the at risk seropositive cases using uracil DNA glycosylase supplemented UDG-LAMP assay. 4th International Congress and the 11th National Congress of Parasitology and Parasitic Diseases of Iran, 9-11 OCT, 2019, Urmia, Iran.
4. Arian Karimi Rouzbahani, **Farnaz Kheirandish**, Mojgan Bandehpour. Heterologous expression of human IFN γ in *Leishmania tarentolae* promastigote. The 2th international congress on biomedicine. December 18th to 21th, 2018 in Tehran, Iran.
5. **Farnaz Kheirandish**, Vahid Fallah Omrani, Soheila Rouhani, Seyed Javad Seyed Tabaei, Bahram Kazemi. Evaluation of hydatid cyst antigens in diagnosis of hydatidosis using ELISA method. 2st International and 8th National Congress of Parasitology and Parasitic Diseases in Iran Gillan. 20.5.2015- 22.5.2015.
6. Ebrahim Badparva, **Farnaz Kheirandish**, Javid Sadraei. molecular study of zoonotic parasite of *Blastocystis* sp. in birds in khorramabad, Lorestan province, Iran. 2st International and 8th National Congress of Parasitology and Parasitic Diseases in Iran Gillan. 20.5.2015- 22.5.2015.
7. Vahid Fallah Omrani, **Farnaz Kheirandish**, Soheila Rouhani, Bahram Kazemi, Seyed Javad Seyed Tabaei, Mojgan Bandehpour. Seroepidemiological study of human hydatidosis by elisa method using recombinant agb in doroud city, loreastan province, western iran. 2st International and 8th National Congress of Parasitology and Parasitic Diseases in Iran Gillan. 20.5.2015- 22.5.2015.
8. Sima Rasti, Baharak Ghorbanzadeh, **Farnaz Kheirandish**, Gholamabbas Mousavi, Ahmad Pirozmand, Hossien Hooshyar, Bathol Abani, diagnostic value of molecular, microscopy and culture methods for diagnosis of cutaneous leishmaniasis. 2st International and 8th National Congress of Parasitology and Parasitic Diseases in Iran Gillan. 20.5.2015- 22.5.2015.

9. Hossein Azizi, Mohsen Mirzaee, **Farnaz Kheirandish**. The prevalence of ESBLs producing *Pseudomonas aeruginosa* isolated from clinical samples of Khorramabad city. The 15th International Congress of Microbiology. Tehran, Iran. 26.8.2014 - 28.8.2014.
10. Fatemeh Saleh, **Farnaz Kheirandish**, Hossein Azizi, Mohammad Reza Zadbori. Maryam Azizi, Optimization of biosurfactant production by *pseudomonas aeruginosa* isolated from activated sludge reservoirs using waste oil. The 15th International Congress of Microbiology. Tehran, Iran. 26.8.2014 - 28.8.2014.
11. **Farnaz Kheirandish**, Ali haghghi, Ehsan Nazemalhosseini-Mojarad. First report of *Entamoeba moshkovskii* by single-round PCR in Lorestan province. The 8th international and 13th national congress on quality improvement in clinical laboratories. Tehran. Iran. 2015
12. **Farnaz Kheirandish**, Marzie Rashidi .Leishmanicidal and cytotoxic activities of Oak gall extract on *Leishmania major* amastigotes. The 23th Congress of Infectious Disease International Congress, 2015
13. **Farnaz Kheirandish**, Marzie Rashidi .Effect of Oak gall extract on *Leishmania major* promastigotes .The 7th International Congress of Clinical Laboratory and Clinic. 2015.
14. **Farnaz Kheirandish**, Vahid Fallah Omrani, Soheila Rohani and Seyed Javad Seyed Tabae. Seroprevalence of *Echinococcus granulosus* infection in Pirabad Village, Lorestan province, west of Iran. 2nd International Conference on Epidemiology & Evolutionary Genetics August 18-19, 2014 Beijing, China.
15. **Farnaz Kheirandish**, Delfan B, Khamesipour A. Antiparasitical effect of *Olea europaea* on amastigotes of *Leishmania major* in vivo. The 12th International Congress of Immunology & Allergy of Thehran, Iran. April 29-May 2, 2014.
16. **Farnaz Kheirandish**, Bahram Delfan, Farnaz Behrahi. Antiparasitic effect of *Olea europaea* on *Leishmania major* amastigotes. The 6th International Congress of Clinical Laboratory and Clinic. 2014, 12-14 February, Tehran
17. Leila Masoori, Vahideh Moin-Vaziri, **Farnaz Kheirandish**, Ali Haghghi, Latif Gachkar, Mehdi Mohebbali, Nourina Rahbarian. Isolation and characterization of *Leishmania infantum* from blood samples of human in new hypo-endemic foci of Visceral Leishmaniasis in Delphan District, Lorestan Province, Iran. The 6th International Congress of Clinical Laboratory and Clinic. 2014, 12-14 February, Tehran.
18. Vahid Fallah Omrani, **Farnaz Kheirandish***, Soheila Rohani, Bahram Kazemi, Mojgan Bandehpour, Ameneh Koochaki. Seroepidemiological Study of Human Hydatid Cyst by ELISA Method Using Recombinant AgB in Doroud City, Loreastan Province. The 6th International Congress of Clinical Laboratory and Clinic. 2014, 12-14 February, Tehran.

19. **Farnaz Kheirandish**, Bahram Delfan, Behrouz Ezatpour, Setare Rezaee, Antileishmanial activity of Olive leaf extract on *Leishmania major* promastigotes. The 22th Congress of Infectious Disease International Congress, 2014, 25-29 January Tehran, Iran.
20. **Farnaz Kheirandish**, Bahram Delfan, NAsim Moradi, Farzad Ebrahim zadeh, Behrouz Ezatpour. Antiparasitical activity of hydroalcoholic extreact of oak seed inner layer *a gainst Leishmania major* promastigotes and amastigots in vitro. The 21th Congress of Infectious Disease International Congress, 2013, 20-24 January Tehran, Iran.
21. Ebrahim Badparva, Javid Sadraee, **Farnaz Kheirandish**, Mehdi Frouzandeh, Molecular epidemiology of *Blastocystis hominis* in patients in laboratories of Khorramabad. 1st International and 8th National Congress of Parasitology and Parasitic Diseases in Iran Kerman, 16-18 October 2012.
22. **Farnaz Kheirandish**, Ali Chegeni Sharafi, Bahram kazemi, Mehdi Mohebali, Mohamad Javad Tarahi. Molecular characterization of Leishmania speciesin gimsa-stained slides. 1st International and 8th National Congress of Parasitology and Parasitic Diseases in Iran Kerman, 16-18 October 2012.
23. Ebrahim Badparva, Javid Sadraee, **Farnaz Kheirandish**, Mehdi Frouzandeh. Genetic diversity of human *Blsatocystis* isolates in Khorramabad, Iran. The 21th Congress of Infectious Disease International Congress, 2013, 20-24 January, Tehran, Iran.
24. Fatemeh Ghafari, Mojgan Bandehpour, **Farnaz Kheirandish**, Bahram Kazemi, Amene Koucaki, Fatemeh Yarian. Expression of human serum Albumin in E. coli BL21 (DE3). The 21th Iranian Genetics Congress. 2012, 21-23 May, Thehran, Iran
25. **Farnaz Kheirandish**. Prevention strategies of laboratory error in diagnosis of amoebic dysentery. Congress of prevention of medical error. 2012, 17-19 May, Lorestan university of medical sciences, Khorramabad, Iran.
26. **Farnaz Kheirandish**, Bahram Kazemi, Mojgan Bandehpour, Nariman Mosafa, Ali Haghghi, Mehdi Mohebali. Gene regulation of pteridine reductase 1 in *Leishmania* amastigotes using an antisense plasmid. The 11th International Congress of Immunology and Allergy of Iran, 26th-29th April 2012.
27. **Farnaz Kheirandish**, Mohamad javad Tarahi, Ali Haghghi, Ehsan Nazemalhosseini-Mojarad. Compari-son of the intestinal para-sites prevalence in bakery workers for years of 2001 and 2010. The 4th Congress of Clinical Laboratory and Clinic. 2011, 21-23 December, Shahid Beheshti University of Medical Sciences, Tehran, Iran.
28. **Farnaz Kheirandish**, Ebrahim Badparva, Ali Haghghi, Ehsan Nazemalhosseini-Mojarad, Bahram Kazemi. Assessment of microscopic diagnosis of *E. histolytica* using Single-round PCR. The 20th Congress of Infectious Disease International Congress, 2012, 31 December- 4 January, Tehran, Iran.

29. **Farnaz Kheirandish**, Hamid Reza karimi. Confidentiality of medical and paramedical. Seminar on Compliance in Health Services with the criteria of Islam. 11-13 My 2011. Lorestan university of medical sciences. Khorramabad, Iran.
30. **Farnaz Kheirandish**, Bahram Kazemi, Mojgan Bandehpour. Preparation of pBind recombinant plasmid. The 3th Congress of Clinical Laboratory and Clinic. 2010, 1-3 December, Tehran, Iran.
31. Mehrnaz Kheirandish, Gholamreza Shajari, Ahmad Khorshidi, **Farnaz Kheirandish**, Mahmood Safari. Evaluation of urine cultures & determination of Antibiotic sensitivity & resistance pattern in the hospitalized & outpatients referred to Kashan Shahid Beheshti Hospital laboratory in 1384. The 3th Congress of Clinical Laboratory and Clinic. 2010, 1-3 December, Tehran, Iran.
32. **Farnaz Kheirandish**, Bahram Delfan, Hamid Reza karimi. Traditional medicine and Cutaneous leishmaniasis. Congress of Traditional medicine, Combination therapies and herbal drugs. 2010, 9-11 November, Lorestan university of medical sciences. Khorramabad, Iran.
33. **Farnaz Kheirandish**, Bahram Delfan, Somaye Farhadi, Bahram Kazemi, Ali Khamesipour, Behrouz Ezatpour, Farzad Ebrahimzadeh. Assay of Saturija Khuzestanica on Cutaneous leishmaniasis. Congress of Traditional medicine, Combination therapies and herbal drugs. 2010, 9-11 November, Lorestan university of medical sciences. Khorramabad, Iran.
34. **Kheirandish F**, Kazemi B, Haghighi A, Mohebali M, Mahboudi M, Bandehpour M. Inhibition of pteridine reductase 1 (PTR1) expression in *Leishmania* promastigotes using a full-length antisense construct. 7th national and 2nd regional congress of parasitology and parasitic disease in Iran. Oct 19-21, 2010. Tehran, Iran
35. Zibaei M, **Kheirandish F**, Abdollahpour F, Birjandi M, Nasimidoost M and Firoozeh F, Epidemiology of Toxocara spp. eggs in the public parks from three area of Khorramabad, Iran. The 6th European Congress on Tropical Medicine and International Health, September 6-10, 2009, Verona, Italy.
36. **Kheirandish-Gh.Kh.N. F**, Karimi-Rouzbahani H.R, Reasons and effects of laboratory error and preventions. The 3rd seminar on Medical error prevention, May 20-21, 2009, Lorestan Medical University, Khorramabad, Iran.
37. **Kheirandish-Gh.Kh.N. F**, Bandehpour M, Haghighi A, Mohebali M, Mahboudi F, and Kazemi B, Cloning, Expression and Enzymatic assay of Iranian *Leishmania major* pteridine reductase 1, The sixth International Congress of Parasitic Diseases, May 2008, Razi Institute, Karaj, Iran.
38. **Kheirandish-Gh.Kh.N. F**, Badparva E, Tarahi M.J, Prevalence of intestinal parasites in Bakery workers in Khoramabad, Iran, Laboratory and Internal Medicine, February 2007, Tehran, Iran.
39. **Kheirandish-Gh.Kh.N. F**, Mohebali M, Eslami Z, Karimi Rouzbahani H.R, Dynamic growth of amastigotes of *Leishmania major* in human macrophages, ICOPA XI, August 2006, Glasgow, Scotland, UK (Not attended).

40. **Kheirandish-Gh.Kh.N. F**, Badparva E, Tarahi M.J, Prevalence of intestinal parasites in fast food and restaurant workers in Khoramabad, Iran, The fifth International Congress of Parasitic Diseases, November 2005, Shaheed Beheshti Medical University, Tehran, Iran.
41. **Kheirandish-Gh.Kh.N. F**, Mohebbali M, Eslami Z, Dynamic growth of *Leishmania amastigotes* in human macrophages, The third International Congress of Parasitic Diseases, March 2001, Sari, Iran.
42. **Kheirandish-Gh.Kh.N. F**, Mohebbali M, Eslami Z, Comparison the growth of amastigotes in human macrophages in Cutaneous leishmaniasis, Infectious disease International Congress, January 2000, Tehran, Iran.

Theses Supervisor

1. Prevalence of *Trichomonas vaginalis* infection in symptomatic women using molecular techniques in Lorestan province, Iran. Masoumeh Mirzaee. Msc student of Medical Parasitology. Lorestan University of Medical Sciences. (2022)
2. The effect of *Saturia khuzestani* essential oil and ethanolic olive extract on the expression of *Leishmania major* promastigote gene by Differential Display (DDRT-PCR). Behrooz Ezatpour. Phd by research student of Medical Parasitology. Lorestan University of Medical Sciences (Ongoing)
3. Design and expression of recombinant *Leishmania infantum* antigens to evaluate diagnostic immune responses. Pejman Hashemzadeh. Msc student of Medical Biotechnology. Lorestan University of Medical Sciences (2022)
4. The effect of olive leaf extract on the expression of DHFR and PTR1 genes in *Leishmania major*. Elnaz Bafandeh. Msc student of Medical Biotechnology. Lorestan University of Medical Sciences (Ongoing)
5. The effect of *Saturia Khuzestanica* essential oil on the expression of *Leishmania major* MDR1 gene. Saeide Jahanshahi. Msc student of Medical Biotechnology. Islamic Azad university (Ongoing)
6. Evaluation of relative frequency of blood parasites (*Babesia* and *Theileria*) in livestock mites of West Gilan city, Kermanshah province in 2009-2010. Ayoob Shiri. Msc student of Medical Parasitology. Lorestan University of Medical Sciences (Ongoing)
7. Prevalence of *Cryptosporidium* species in breeding calves in Lorestan province using molecular methods in 1998. Razieh Talebi. Msc student of Medical Parasitology. Lorestan University of Medical Sciences (Ongoing)

8. Isolation and identification of *Acanthamoeba* strains isolated from hospital wards and maple control centers with AIDS, cancer and hemodialysis in Khorramabad in 1999 using molecular methods. Sara Saremi Nejad. Msc student of Medical Parasitology. Lorestan University of Medical Sciences (Ongoing)
9. Prevalence of *Trichomonas vaginalis* in women referring to health centers in Boroujerd in 1999 using molecular method. Masoome Mirzaee. Msc student of Medical Parasitology. Lorestan University of Medical Sciences (Ongoing)
10. Biosynthesis and identification of copper oxide nanoparticles isolated from *Bacillus subtilis* and evaluation of antibacterial properties on MEXAB pump efflux genes in *Pseudomonas aeruginosa* isolated from clinical specimens. Hossein Azizi. Phd student of Microbiology. Islamic Azad university (Ongoing)
11. Evaluation of cytotoxic, antibacterial and parasitic properties of zinc oxide nanoparticles synthesized by *Bacillus subtilis* and its effect on the expression of AdeABC pump efflux genes in clinical species of *Acinetobacter*. Fatemeh Saleh. Phd student of Microbiology. Islamic Azad university (Ongoing)
12. Frequency of *Leishmania spp.* in wild rodent in Lorestan province, 1397, by molecular assay. Neda Asadi. Medical student. Lorestan University of Medical Sciences (2020)
13. Molecular study of the frequency of *Leishmania* infection in stray dogs in Khorramabad. Afsaneh Azizi. Veterinary student. Lorestan University (2020)
14. Determination of parasitic load of *Toxoplasma gondii* in aborted human embryos by Real time-PCR method in Asalian Hospital in Khorramabad in 1996. Forooz Pishgar. Msc student of Medical Parasitology. Lorestan University of Medical Sciences (2020)
15. Study of *Toxoplasma gondii* infection in aborted fetuses of pregnant women with no past medical abortion using molecular method in Khorramabad. Ali Araban, Medical student. Lorestan University of Medical Sciences (2018)
16. Seroepidemiology comparison of toxoplasmosis and toxocariasis in neuropsychiatry patients with control group. Yase Yaseri. Medical student. Lorestan University of Medical Sciences (2017)
17. Survey of relationship between *Toxoplasma* serology and abortion in women with spontaneous abortion in Khorramabad. Pardis Hoseini. Medical student. Lorestan University of Medical Sciences (2016)
18. Seroepidemiology comparison of toxoplasmosis and toxocariasis in neuropsychiatry patients with control group. Davood Mehrabian. Medical student. Lorestan University of Medical Sciences (2016)
19. The effect of immunomodulatory effect of hydroalcoholic extract of *Olea Europea* *Sevillana* olive leaf on IL12 and IL10 production from macrophages infected with *Leishmania major*. Rezvan Vajdian. Msc student of Medical Parasitology. Shahid Beheshti University of Medical Sciences (2015)

20. Effect of *Olive Leaf Extract* on the macrophages contain *Leishmania major* amastogotes in Vitro. Farnaz Behrahi. Medical student. Lorestan University of Medical Sciences (2013)
21. The effect of *saturia khuzestanica* essential oil on *Leishmania major* amastigots. Mahboobe Jabari. Medical student. Lorestan University of Medical Sciences (2013)
22. The effect of *oak* hydroalcoholic extreact on *Leishmania major* promastigots and amastigots in vitro. Nasim Moradi. Medical student. Lorestan University of Medical Sciences (2013)
23. Comparison of magnetotactic bacteria isolated from different regions of Iran by a new method of moving on a semi-solid environment in a magnetic field. Fatemeh Saleh. Msc student of Cellular and Molecular. Islamic Azad university (2013)
24. Seroepidemiology of visceral leishmaniasis in Delfan city, Lorestan province, by direct agglutination (DAT) method. Leila Masoori. Msc student of Medical Parasitology. Shahid Beheshti University of Medical Sciences (2013)
25. Seroepidemiological study of hydatidansan cyst using recombinant B antigen by ELISA method in Doroud city, Lorestan province. Vahid Fallah Omrani. Msc student of Medical Parasitology. Shahid Beheshti University of Medical Sciences (2013)
26. Therapeutic effect of *Satureja khuzestanica* essential oil on *Leishmania major* cutaneous leishmaniasis in BALB / c mice. Somaye Farhadi. Medical student. Lorestan University of Medical Sciences (2010)
27. Evaluation of the effect of hydroalcoholic extract of olive leaves on *Leishmania major* promastigotes in vitro. Setareh Rezaee. Medical student. Lorestan University of Medical Sciences (2010)

Theses Advisor

1. Prevalence of *Trichomonas vaginalis* in women referring to medical centers in district 3 of Tehran in 2019 and its relationship with clinical symptoms. Negar Baretie. Medical student. Lorestan University of Medical Sciences (2022)
2. Prevalence of gastrointestinal parasites in patients referred to laboratories of teaching hospitals in Khorramabad city in 2016-2020. Faeze Mansouri. Medical student. Lorestan University of Medical Sciences (2021)
3. Evaluation of knowledge, attitude and practice of mothers referring to health centers in Khorramabad city in terms of gastrointestinal parasitic disease in 2020. Ali Saremi. Medical student. Lorestan University of Medical Sciences (2021)

4. Evaluation of prevalence of *Blastocystis hominis* in AIDS patients of Khorramabade town using Loop-mediated isothermal Amplification (LAMP) technique. Amir Salehi. Medical student. Lorestan University of Medical Sciences (2020)
5. Identification, production and design of a three-dimensional model of the main poplar pollen allergen (*Populus*) and prediction of B cell index epitopes using immunoinformatics tools. Mohammad Hossein Shams. Phd student of Medical Immunology. isfahan university of medical sciences (2020)
6. Survey of knowledge, attitude and practice of people in Khorramabad about cutaneous leishmaniasis in 1398. Farnoosh Jafarzadeh. Medical student. Lorestan University of Medical Sciences (2020)
7. Identification, design and fabrication of fusion structures of antimicrobial peptides Defensin and Amiganan. Masoomeh Shahmohamadi. Msc student of Medical Biotechnology. Lorestan University of Medical Sciences (2020)
8. Frequency of hydatid cyst surgery in selected teaching hospitals in Khorramabad during 1390-98. Farzaneh Lak. Medical student. Lorestan University of Medical Sciences (2020)
9. Molecular frequency of *Toxoplasma gondii* among wild rodent of Lorestan province in 2018 using PCR method. Navid Salehi. Medical student. Lorestan University of Medical Sciences (2019)
10. Survey of knowledge of final year students related to pregnant women of Lorestan University of Medical Sciences in the second semester of 1396 about congenital toxoplasmosis. Maede Chahichi. Medical student. Lorestan University of Medical Sciences (2018)
11. Seroepidemiological study of toxoplasmosis in women of Dorud city in 1994. Mahsa Maghsoudi. Medical student. Lorestan University of Medical Sciences (2018)
12. Evaluation of anti-leishmaniasis and cytotoxicity effects of *Nectaroscordum tripedale* fruit extract. Majid Torkashvand. Medical student. Lorestan University of Medical Sciences (2017)
13. Prevalence and identification of *Blastocystis* genotypes isolated from humans, livestock and poultry in Ahvaz. Roya Salehi. Phd student of Medical Parasitology. Modares University (2017)
14. Prevalence of antibodies and the relationship between risk factors and disease in *Toxoplasma gondii* infection among children in Lorestan province. Fereshteh Faramarzi. Medical student. Lorestan University of Medical Sciences (2016)
15. Prevalence of antibodies and the relationship between risk factors and disease in hydatid cyst infection among children in Lorestan province. Somayeh Shakarami. Medical student. Lorestan University of Medical Sciences (2016)
16. Isolation, Species Determination and Genetic Diversity of *Leishmania* Parasites Isolated from Patients with Cutaneous Leishmaniasis Using NAGT Gene by PCR-RFLP Method and Sequencing in Endemic Areas of Ilam Province in 2014-2015. Reza Saberi. Msc student of Medical Parasitology. Shahid Beheshti University of Medical Sciences (2016)

17. Investigation of *Blastocystis* subtypes in humans, cattle and birds and their genetic relationship in Khorramabad. Ebrahim Badparva. Phd student of Medical Parasitology. Modares University (2015)
18. Prevalence of MexAB pump efflux genes in *Pseudomonas aeruginosa* producing ESBLs and having multidrug resistance isolated from clinical samples of Khorramabad city. Hossein Azizi. Msc student of Microbiology. Islamic Azad university (2014)
19. Molecular prevalence of *Blastocystis hominis* in diarrhea patients referred to health centers in Khorramabad. Mohsen Akbari. Msc student of Microbiology. Islamic Azad university (2014)
20. Evaluation of diagnostic value of PCR method compared to direct and culture methods for diagnosis of cutaneous leishmaniasis. Baharak Ghorbanzadeh. Msc student of Medical Parasitology. Kashan University of Medical Sciences (2013)
21. Cloning and expression of human serum albumin gene. Fatemeh Ghafari. Msc student of Cellular and Molecular. Islamic Azad university (2010)

Selected Research Projects

* Executor of the project:

- | | |
|----------------------|---|
| 2020- present | Bioinformatics design of vaccine for SARS-COV 2 |
| 2017-2020 | Expression of human heterologous IFN γ and anti-IL17 antibody in <i>Leishmania tarentola</i> promastigote |
| 2014- 2019 | Study of hydatid cyst strains in human and animal samples of Lorestan province by molecular method (Genotyping of hydatid cyst isolated from human and domestic animals in Lorestan province) |
| 2014- 2018 | Seroepidemiological study of human fascioliasis and determination of sex and species of carrier snail in Pirabad village of Doroud city in 2013 |
| 2014- 2019 | Effect of olive leaf extract on cytokine profiles secreted from macrophages infected with <i>Leishmania major</i> amastigote |
| 2014- 2019 | Seroepidemiology comparison of toxoplasmosis and toxocariasis in neuropsychiatry patients with control group |
| 2011- 2013 | Diagnosis of cutaneous leishmaniasis and determination of <i>Leishmania</i> parasite species in Lorestan province by molecular method |
| 2011- 2013 | Evaluation of direct observation method for diagnosis of <i>Entamoeba histolytica</i> using molecular PCR method. |
| 2003- 2005 | Survey of the prevalence of intestinal parasites in the staff of food shops (sandwich shops, pizza shops), barbecues and restaurants in Khorramabad city in 2003 |

2001- 2003 Prevalence of intestinal parasites in bakery workers in Khorramabad and treatment of infected people in 2001

*** Main Co-Worker:**

2020- present Synthesis of silver nanoparticles using extracts of *Boiss Echinophora cinerea* and *Olea europaea* and evaluation of antioxidant, antifungal, antiparasitic, antibacterial and anticancer effects in MCF-7 cell line in vitro

2020- present Anti-toxoplasmic activity of eugenol-coated nanoparticles on RH strain tachyzoites in vitro and in vivo

2017- present Prevalence of *Microsporidia* infection in AIDS patients in Khorramabad in 1995

2017- 2019 Coxiella using molecular methods in Khorramabad city of Lorestan province in 1995

Teaching in Workshops

1. Scientific Focal Point of Parasitology Program (Cutaneous and Visceral Leishmaniasis), Deputy of Health, Lorestan University of Medical Sciences. 2019
2. Teaching in the morphology workshop of peripheral blood slides with priority in parasitology, tuberculosis, and hematology, Lorestan University of Medical Sciences, 2018.10.12
3. Instructor of polytopic vaccine design workshop with immunoinformatics methods. Face-to-face program of continuing education of the medical community, 2017.03.02 - 2017.03.3
4. Participation as workshop instructor for workshop entitled: LAMP technique and its application in molecular diagnosis. 8th International Congress of Laboratory and Clinical, 1th National Congress of Basic medical Sciences and the Knowledge-based production. 2016.02.06 - 2016.02.08
5. Instructor in LAMP technique workshop and its application in diagnosing infections. Face-to-face program of continuing education of the medical community, 2016.02.25 - 2016.02.26
6. Instructor in the introductory macrophage culture workshop. Face-to-face program of continuing education of the medical community, 2016.02.23 - 2016.02.24
7. Teaching and cooperation in a one-day workshop on the method of collecting, storing and mounting worms of livestock gastrointestinal tract, Lorestan University of Medical Sciences, 2015.05.12
8. Teaching in macrophage culture workshop in the 5th Biennial Congress of Medical Error Prevention, Lorestan University of Medical Sciences, 2015.12.24

9. Teaching in conference of laboratory sciences and quality control, face-to-face program of continuing education of medical community, Lorestan University of Medical Sciences, 2013.4.17
10. Teaching in conference of laboratory sciences and quality control, face-to-face program of continuing education of medical community, Lorestan University of Medical Sciences, 2012.4.18
11. Instructor in the workshop of water and foodborne diseases entitled fascioliasis, Deputy of Health, Lorestan University of Medical Sciences, 2012.05.12 - 2012.05.13
12. Instructor of Parasitology, Lorestan University of Medical Sciences, 2011.07.04 - 2011.07.5
13. Instructor in Parasitology Workshop, Deputy of Health, Lorestan University of Medical Sciences, 2011.07.10
14. Instructor in the workshop of common diseases of humans, animals and malaria, Deputy of Health, Lorestan University of Medical Sciences, 2011.07.12 - 2011.07.13
15. Instructor of Razi Plant Research Center, Lorestan University of Medical Sciences, 2011.07.14
16. Instructor in PCR technique workshop, Razi Herbal Medicine Research Center, Lorestan University of Medical Sciences, 2011.09.10 - 2011.09.11
17. Instructor in parasitology training course, Narges Hospital, Doroud, Lorestan Province, 2008.11.20

Workshop Attending

1. Empowerment of counseling professors and promotion of students' mental health, Lorestan University of Medical Sciences, 2020.10.14
2. Foresight and Futurism Workshop, Lorestan University of Medical Sciences, 2020.01.21
3. Introduction to Electronic Resources Workshop, Lorestan University of Medical Sciences, 2019.01.31
4. Systematic Review Workshop, Lorestan University of Medical Sciences, 2018
5. Real time PCR data analysis workshop, Lorestan University of Medical Sciences, 2018.07.08
6. Specialized training workshop on the use of electronic resources by Elsevier, including Mendeley, Science Direct, Scopus, Lorestan University of Medical Sciences, 2018.01.31
7. Virtual Reality Application Workshop in Medical Sciences, Lorestan University of Medical Sciences, 2017.11.26

8. Systematic review workshop, Lorestan University of Medical Sciences, 2017.11.01 – 2017.11.02
9. Workshop on writing and publishing scientific articles, Lorestan University of Medical Sciences, 2017.10.30 – 2017.10.31
10. Ethics workshop in publishing research works, Lorestan University of Medical Sciences, 2017.08.03
11. Resource Management Software Training Workshop, Lorestan University of Medical Sciences, 2017.05.01
12. Electronic Resource Management Workshop, Lorestan University of Medical Sciences, 2017.01.24
13. Criticism and Arbitration Workshop, Lorestan University of Medical Sciences, 2017.01.17
14. Electronic Resource Search Workshop, Lorestan University of Medical Sciences, 2017.01.03
15. Writing and publishing workshop, Lorestan University of Medical Sciences, 2016.12.15
16. Intellectual Property and Patent Workshop, Lorestan University of Medical Sciences, 2016.06.22
17. Completion of scientometric profiles, Lorestan University of Medical Sciences, 2016.06.05
18. Introduction to the rules and concepts of knowledge-based companies, Lorestan University of Medical Sciences, 2016.04.06
19. Introduction to the rules and concepts of knowledge-based companies, Health Technology Development Center of Lorestan University of Medical Sciences, Lorestan University of Medical Sciences, 2016.02.18
20. Meta-analysis workshop, Lorestan University of Medical Sciences, 2016.01.24 – 2016.01.25
21. Workshop on Test Making and Key Studies, Lorestan University of Medical Sciences, 2016.01.17 – 2016.01.18
22. Scientometrics Workshop, Lorestan University of Medical Sciences, 2016.01.13
23. Bio-Interaction Modeling Workshop Using Gaussian Software, 5th Biennial Congress on Medical Error Prevention, Lorestan University of Medical Sciences, 2015.12.24 - 2015.12.25
24. Parasite and Fungus Diagnosis Workshop in Park Soil, 5th Biennial Congress on Medical Error Prevention, Lorestan University of Medical Sciences, 2015.12.24 - 2015.12.25

25. Introduction to HPLC and Applications, 5th Biennial Congress on Medical Error Prevention, Lorestan University of Medical Sciences, 2015.12.24 - 2015.12.25
26. Animal Models Design Workshop on Metabolic Disorders, 5th Biennial Congress on Medical Error Prevention, Lorestan University of Medical Sciences, 2015.12.24 - 2015.12.25
27. Workshop on Optimal Consumption of Blood Products, 5th Biennial Congress on Medical Error Prevention, Lorestan University of Medical Sciences, 2015.12.24 - 2015.12.25
28. E-learning workshop (content production), Lorestan University of Medical Sciences, 2015.12.17
29. Website training workshop, Lorestan University of Medical Sciences, 2015.11.16
30. Training course on Loop-mediated Isothermal Amplification (LAMP) Technique and application in detection. Razi Herbal Medicines Research Center, Lorestan University of Medical Sciences, 2015.10.29
31. Introduction to the method of collecting, storing and mounting worms of livestock gastrointestinal tract, Lorestan University of Medical Sciences, 2015.05.12
32. Screening for fetal abnormalities in pregnant woman: double, triple, quadruple markers and ultrasound at the 8th international and 13th national congress on Quality improvement in Clinical Laboratories, Razi International Conference Center, Tehran, Iran by Professor Kypros, 2015.04.23
33. Histopathology workshop of parasitic infections and diagnosis of parasite residues in human tissues, Faculty of Health, Tehran University of Medical Sciences, 2014.10.31
34. Reference writing workshop, Shahid Beheshti University of Medical Sciences, 2013.01.09
35. Reform Workshop in Medical Education, Shahid Beheshti University of Medical Sciences, 2012.12.24
36. Bioinformatics Workshop, Lorestan University of Medical Sciences, 2012.12.19
37. LAMP technique workshop, Iranian Gene Technology Company, 2012.12.07
38. Proposal writing workshop, Shahid Beheshti University of Medical Sciences, 2012.11.13
39. Team-base learning workshop, Kurdistan University of Medical Sciences, 2012.11.01
40. Research in Education Workshop, Kurdistan University of Medical Sciences, 2012.10.31
41. E-Learning workshop, Lorestan University of Medical Sciences, 2012.02.15
42. Real time pcr training workshop, CFX 96, made by BIO-RAD company, Gene Rad Faraz company, 2011.12.15

43. Workshop for making professors' blogs, Razi Herbal Medicine Research Center, Lorestan University of Medical Sciences, 2011.11.14
44. Communication and Counseling Skills Workshop, Lorestan University of Medical Sciences, 2011.04.21
45. Scientometrics workshop, growth of science and plagiarism, Lorestan University of Medical Sciences, 2011.03.10
46. The art of presentation workshop, Lorestan University of Medical Sciences 2011.01.20
47. Real time PCR workshop, Razi Herbal Medicine Research Center, Lorestan University of Medical Sciences, 2011.01.06
48. E-learning workshop, Lorestan University of Medical Sciences. 2010
49. Student Evaluation Workshop on Question Design Methods, Lorestan University of Medical Sciences, 2010.12.09
50. Acupressure workshop, Lorestan University of Medical Sciences, 2010.11.11
51. Internet retrieval workshop (pubmed database), Lorestan University of Medical Sciences, 2009.11.04 – 2009.11.05
52. Introduction to Endnote software workshop, Razi Herbal Medicine Research Center, Lorestan University of Medical Sciences, 2009.10.28 – 2009.10.29
53. Internal Evaluation Workshop, Lorestan University of Medical Sciences, 2009.04.29 – 2009.04.30
54. Electronic Resources Search Workshop, Lorestan University of Medical Sciences, 2009.04.21 – 2009.04.22
55. End note workshop, Lorestan University of Medical Sciences, 2009.04.17
56. Lorestan University of Medical Sciences Medical Ethics Workshop, 2009.12.06
57. Influenza Type A (H1N1) workshop, Lorestan University of Medical Sciences, 2009.09.02
58. Creativity and Innovation Workshop of Lorestan University of Medical Sciences, 2009.05.26
59. Real time PCR set up workshop, Razi Herbal Medicine Research Center, Lorestan University of Medical Sciences, 2009.03.12
60. Workshop on adapting the course of foreign students to the domestic educational system, Lorestan University of Medical Sciences, 2009.03.08

61. Essay Writing Workshop, Lorestan University of Medical Sciences, 2009.01.27 – 2009.01.28, 2009.04.16
62. Systematic review workshop, Ilam University of Medical Sciences, 2009.01.22 – 2009.01.23
63. EndNote Workshop, Ilam University of Medical Sciences, 2009.01.21
64. Electronic Resource Search Workshop, Continuing Education Program, Kurdistan University of Medical Sciences, from 2009.01.03 to 2009.01.05
65. Power point workshop, Lorestan University of Medical Sciences, 2008.12.30 – 2008.12.31
66. Familiarity with the methods of extraction and identification of medicinal plant compounds, Razi Herbal Medicine Research Center, Lorestan University of Medical Sciences, 2008.11.18 - 2008.11.19
67. Introduction to Electronic Resources Workshop of National Digital Medical Library of Iran, Lorestan University of Medical Sciences, 2008.11.14 – 2008.11.15
68. SPSS workshop, Lorestan University of Medical Sciences, 2003.05.27
69. Lecture Skills Workshop, Lorestan University of Medical Sciences, 2002.12.22 – 2002.12.23
70. Educational planning and lesson plan preparation workshop, Lorestan University of Medical Sciences, 2002.06.30 – 2002.07.01
71. Internet training workshop, Lorestan University of Medical Sciences, 2002.05.19 – 2002.05.20
72. Research Methodology Workshop, Lorestan University of Medical Sciences, from 2002.01.26 to 2002.01.28
73. Windows 98 workshop, Lorestan University of Medical Sciences, from 2001.12.12 to 2001.12.14
74. Workshop on how to write an article in English, Lorestan University of Medical Sciences, 2001.11.08 – 2001.11.09
75. Workshop on how to extract information from English scientific texts, Lorestan University of Medical Sciences, 2001.10.11
76. Training workshop in basic and clinical sciences, Lorestan University of Medical Sciences, from 2001.01.03 to 2001.03.05