



In the name of God Curriculum Vitae

Personal Information

First name: Morteza

- Surname: Shams
 - Birth Date: 15.09.1976
 - Nationality: Iran
 - Religion: Islam
 - Marital status: Married
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Address & Current Position

Employe: Ilam University of Medical Sciences, Ilam, Iran

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Education

B.SC Tabriz university in Laboratory science at 1995

M.SC Hamadan University of Medical Sciences in Medical Parasitology at 2010

Ph.D Tarbiat modares university in Medical parasitology at 2016

Referees

Dalimi Abdolhossien, Ph.D. Professor of parasitology (Direct Supervision of my Ph.D. dissertation)

Department of Parasitology & Mycology, Faculty of Medical Sciences, Tarbiat Modares University, Tehran, Iran. [E-mail: Dalimi4@yahoo.com](mailto:Dalimi4@yahoo.com)

Languages

Farsi - Native, English - Fluent

Experimental Skills (Research experience)

- ELISA (Enzyme Linked Immunosorbent Assay)
- Gel agarose and acrylamid electrophoresis, SDS Page
- Western Blotting
- Molcular parasitology
- Extraction and purification of DNA, Plasmid, and RNA

- PCR and PCR-based analysis, for example: RT-PCR, Multiplex-PCR, PCR-RFLP, Nested-PCR
- Protein Purification (affinity chromatography)
- DNA Sequencing
- Bioinformatics

Teaching experience

- Protozoology
- Helminthology
- Epidemiology of parasites and parasitic disease

Publications

Book (Writing)

Morteza Shamsi, Alimohammad Bahrami. The Comprehensive of Arthropoda in Veterinari. Ilam University Publication. 2009

Mosawi, S.H., Zarei, Z., Shams, M., Mohammadi, K., Sajjadi, S.A. Environmental health and leishmaniasis by indication on afghanistan: A review. Book Chapter; Encyclopedia of Environmental Health, 2019 (2019-1-1):458-465. **(EBook)**

Membership of Scientific Organizations

Since 2009: Member of Writers Association, an Iranian reporter (Tehran)

Since 2007: Member of Iranian Society of parasitology (Tehran)

Papers

1. Baba Ahmadi E, Khosravi A, Shamsi M, Hooshmandfar R. The anti coccidial evaluation of quim coccid, pharm coccid amprolium and monensia against Eimeria tenella in vitro. J Ilam Uni Med Sci 2010; 2:37-43. **(ISC)**
 2. Ali Mohammad Bahrami, Morteza Shamsi, Reza Hoshmandfar. Evaluate the Contamination of respiratory syncytial virus (RSV) in dairy herds in Ilam Province. Iranian J Med Microbiol 2010; 4(1, 2):80-6. **(ISC)**
 3. Afra Khosravi, Morteza Shamsi, Noorkhoda Sadeghifard, Ghafourian Sobhan. Evaluation of mice, sheep and human IgG and IgE antibody responses against the mice Crude Hydatid Cyst Fluid (HCF) antigens. J Cell Animal Biolo 2012; 6(5): 66-72.
 4. Afra Khosravi, Sobhan Ghafourian, Morteza Shamsi, Nourkhoda Sadeghifard, bbasMaleki, Ebrahim Babaahmadi. Cross reaction between the crude hydatid cyst fluid antigens of human and animal's origin in response to human IgG class and subclasses. J Parasitol Res 2012; 2012:947948. **(Pubmed)**
 5. Ali Mohammad Bahrami, Alizaman Doosti, Hossein Nahrevanian, Morteza shamsi. Pathological study on parasitism in Racing Pigeons an indication of its effects on community health. Advances in Environmental Biology 2012; 6(2):726-732. **(Scopus)**
 6. Baba Ahmadi E, Shamsi M, Khosravi A, Sayehmiri K, Saki k. Human IgG class and subclass against Crude Hydatid Cyst Fluid (HCF) antigens of human compared to antigen B. J Ilam Uni Med Sci 2011;19(1):37-43. **(ISC)**
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7. Afra Khosravi, Mortaza Shamsi, Ebrahim Babaahmadi, Kourosh Salyemiri, Kourosh Saki. Cross reaction of human antibody to Hydatid Cyst Fluid antigens of human and mice. *J Health System* 2011; 7(2):236-46. **(ISC)**
 8. Fallah M, Khosravi A, Shamsi M, Maghsood H, Bahrami A, Hoshmandfar. Evaluation of human IgE and IgG class and subclass antibody responses against the sheep, mice, cattle and antigen B crude hydatid cyst fluid antigens using ELISA. *Vet J Islamic Azad Uni Sanandaj Branch* 2013; 6(3):45-54. **(ISC)**
 9. Fallah M, Khosravi A, Shamsi M, Maghsood H, Bahrami A, Sayemiri K, Doosti A. Effectiveness of sheep Crude Hydatid Cyst Fluid (CHCF) antigen for serodiagnosis of human, sheep, mice and cattle hydatidosis. *Adv Res Agri Vet Sci* 2014; 1(1)4: 12-7.
 10. Mostafa Nemati, Morteza Shamsi. Detection of mecA, eta, etb and tst-1 genes from staphylococcal isolates. *J Bas Res Med Sci* 2015; 2(2):13-17. **(ISC)**
 11. Ali Mohammad Bahrami, Morteza Shamsi. Zoonotic Parasitic infections of cats in human community: A histopathological Study. *J Bas Res Med Sci* 2015; 2(3):49-56. **(ISC)**
 12. Ali Louei Monfared¹, Aaref Nooraii, Morteza Shamsi. Placental histomorphology and morphometry in the pregnant mice treated with cell phone radiation. *J Bas Res Med Sci* 2015; 2(4):51-60. **(ISC)**
 13. Shamsi M, Dalimi A, Khosravi A, Ghafarifar F. Determination of Genotype Isolates of Human and Sheep Hydatid Cyst in Ilam. *J Ilam Uni Med Sci* 2015; 23(2):111-9. **(ISC)**
 14. Laila Aabasian, Shahnaz Shirbazou, Morteza Shamsi, Sara Damghani, Ali Delpisheh. Hormonal changes in women with breast cancer infected with *Toxoplasma gondii*. *J Bas Res Med Sci* 2016; 3(1):16-21. **(ISC)**
 15. Ali Louei Monfared, Aaref Nooraii, Morteza Shamsi. Histological and biochemical changes of kidney in the mice exposed to mobile phone radiation. *J Bas Res Med Sci* 2016; 3(3):45-51. **(ISC)**
 16. Saeed Nafisi, Leila Rezazadeh, Ehsan Hosseini, Morteza Shamsi, Anwar Bahrami Mousavi, Ali Mohammad Bahrami. Citrullus colocynis fruit extract as an anti-depressant in mice. *J Bas Res Med Sci* 2016; 3(4):49-55. **(ISC)**
 17. Bahrami A, Shamsi M, Bahrami A, Soltani S, Shokri A, Ahmadi M, Talebimaymand F, Abasian L. Staphylococcus aureus Isolated from Bovine Mastitis Milk Livestock and the Study of Antibiotic Resistance. *J Ilam Uni Med Sci* 2016; 24(2):18-26. **(ISC)**
 18. Morteza Shamsi, Abdolhossein Dalimi, Afra Khosravi, Fatemeh Ghafarifar. The phylogenetic similarity of hydatid cyst isolated from humans and sheep in Ilam Province southwest of Iran. *Comp Clin Pathol* 2016; 25:1221-6. **(Scopus)**
 19. Talebimaymand F, Abasian L, Shamsi M, Rashnavadi M, Sharifinia N. Investigating the Prevalence of Intestinal Parasites in Ilam City in 2014. *J Ilam Uni Med Sci* 2016; 24(2):1-7. **(ISC)**
 20. Ali Louei Monfared, Morteza Shamsi. The effect of lansoprazole administration during pregnancy on the placenta. *J Bas Res Med Sci* 2017; 4(2):24-28. **(ISC)**
 21. Shamsi M, Dalimi A, Khosravi A, Ghafarifar F, Pourahmad F. Determination and sequencing of genotypes of *Echinococcus granulosus* from stray dogs isolates with cox1 gen in Ilam, West of Iran. *J Ilam Uni Med Sci* 2016; 24(6):97-106. **(ISC)**
 22. Shamsaei N, Abdi H, Shamsi M. The effect of a continuous training on necrosis and apoptosis changes in the hippocampus of diabetic Rats. *J Ilam Uni Med Sci* 2017; 25(1):1-11. **(ISC)**
 23. Mahmoud Bahmani, Razi Naserifar, Morteza Shamsi, Amin Karimi, Ali Jalilian, Shahriyar Rasouli, Seyed Hossein Adineh, Mahmoud Rafieiankopaie, Somayeh Shahsavari. A case report of a patient with 15 acute local wet wounds in the legs and its treatment process. *Int J Adv Biotechnol Res* 2017; 8(3):1743-1746. **(ISI)**
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24. Mahmoud Bahmani, Morteza Shamsi, Razi Naserifar, Hemat Karami, Ali Jalilian, Shahriyar Rasouli, Seyed Hossein Adineh, Elham Sahraei, Mahmoud Rafieiankopaei, Somayeh Shahsavari A. rare case report of extensive cutaneous Leishmaniasis lesions on ear from Dehloran city, West of Iran and the treatment process. *Int J Adv Biotechnol Res* 2017; 8(3): 1747-1749. **(ISI)**
25. Morteza Shamsi, Naser Abbasi, Asadollah Mohajer, Masih Hoseini, Mahmoud Rafieiankopaei. The most important native medicinal plants effective against cutaneous Leishmaniasis in Mouse. *Int J Life Sci Pharma Res* 2018; 8(2): 1-7. **(ISI)**
26. Morteza Shamsi, Somayeh Shahsavari, Sara Abbasi³. A Review of the most important medicinal herbs affecting Leishmaniasis and ulcers in Iranian pharmacy knowledge. *J Pharm Sci Res* 2017;9(12). **(Scopus)**
27. Nasrin Rezaee, Morteza Shamsi, Elhame Damani, Sina Sekandarpour, Nasrin Ranjbar, Azad Mohamdi, Fariba Faizei. Prevalence and epidemiologic profile of acute cutaneous Leishmaniasis in an endemic focus in Southeast Iran. *Hormozgan Med J* 2018; 22(4): e89444. **(ISC)**
28. Mohamad Reza Nazer, Saber Abbaszadeh, Khatereh Anbari, Morteza Shams. A review of the most important medicinal herbs affecting giardiasis. *J Herbmmed Pharmacol* 2019; 8(2): 78-84. **(Scopus)**
29. Gholamreza Kalvandi, Morteza Shams, Gholamali Nourmohammadi, Saber Abbaszadeh, Parastoo Baharvand, Afshin Hasanvand, Nasser Abbasi. Epidemiology of Brucellosis in Dehloran Ilam province between 2015 and 2019 A cross sectional epidemiologic study. *Egypt J Vet Sci* 2019; 50(2):107- 112 **(ISI)**
30. Akhzari S, Rezvan H, Norian A, Zolhavarieh M, Shamsi M. Evaluation of Pro-Inflammatory Genes Expression in the Spleen and Wounds of BALBc Mice Infected with *Leishmania Major*. *J Ilam Uni Med Sci* 2018; 26(2):77-86. **(ISC)**
31. Nasrin Rezaee, Morteza Shamsi, Elhame Damani, Sina Sekandarpour. Prevalence and Epidemiologic Profile of Acute Cutaneous Leishmaniasis in an Endemic Focus in Southeast Iran. *Hormozgan Med J* 2018; 22(4): e89444. **(ISC)**
32. Mohamad Reza Nazer, Saber Abbaszadeh, Khatereh Anbari, Morteza Shams. A review of the most important medicinal herbs affecting giardiasis. *J Herbmmed Pharmacol* 2019;8: 78-84. **(Scopus)**
33. Tayebbeh Rashidian, Akbar Mohammadi, Ali Khorshidi, Morteza Shams. Investigating the causes and prevalence of cesarean section among the primigravid women referred to Taleghani Hospital in Ilam, Iran. *J Bas Res Med Sci* 2020; 7(1):28-34. **(ISC)**
34. Amir Abdoli, Shahab Falahi, Azra Kenarkoohi, Morteza Shams, Hamed Mir, Mirza Ali Mofazzal Jahromi. The COVID-19 pandemic, psychological stress during pregnancy, and risk of neurodevelopmental disorders in offspring: a neglected consequence. *J Psychosom Obstet Gynaecol* 2020;41(3):247-248. **(ISI)**
35. Azatollah Ghasemi, Sadegh Shamsinia, Ali Taghipour, Davood Anvari, Morteza Shams. Filarial worms: a systematic review and meta-analysis of diversity in animals from Iran with emphasis on human cases. *Parasitology* 2020, 147(9):909-921. **(ISI)**
36. Somayyeh Rahimnahal, Morteza Shams, Hossein Tarrahimofrad, Yahya Mohammadi. Analysis to describe the catalytic critical residue of keratinase *mojavensis* using peptidase inhibitors: A docking-based bioinformatics study. *J Bas Res Med Sci* 2020; 7(2):13-28. **(ISC)**
37. MohammadReza Chaechi Nosrati, Ezatollah Ghasemi, Morteza Shams. *Toxoplasma gondii* ROP38 protein: Bioinformatics analysis for vaccine design improvement against toxoplasmosis. *Microbial Pathogenesis* 149 (2020) 104488. **(ISI)**
38. Morteza Shams, Erfan Javanmardi, Mohammadreza Chaechi Nosrati, et al. Bioinformatics features and immunogenic epitopes of *Echinococcus granulosus* Myophilin as a promising

target for vaccination against cystic echinococcosis. *Infection, Genetics and Evolution* 89 (2021) 104714. **(ISI)**

39. Ali Taghipour, Amir Abdoli, Afifeh Ramezani, Ahmad Abolghazi, Mirza Ali Mofazzal Jahromi, Salar Maani, Seyede Manizhe Heidar Nejadi, Sima Rasti, Morteza Shams, Ezatollah Ghasemi. *Biol Trace Elem Res* 2021;199(10):3918-3938. **(ISI)**

40. Saeed Hemati, Arash Rahmatian, Ghasem Talee, Elham Bastani, Aryoobarzan Rahmatian, Morteza Shams. Prevalence of *Helicobacter pylori* and Its seasonality in Ilam, Iran. *JJBS* 14(1) 2021; 187-9. **(ISI)**

41. Abas Ghaysouri, Gholam Basati, Morteza Shams, Hamed Tavan. Efficiency of nebulizing furosemide in the treatment of chronic pulmonary obstructive disease: A systematic review and meta-analysis of clinical trials. *Tanaffos* 2020; 19(4): 340-349. **(PubMed)**

42. Ali Asghari, Sadegh Shamsinia, Hassan Nourmohammadi, Hamidreza Majidian, Morteza Shams. Development of a chimeric vaccine candidate based on *Toxoplasma gondii* major surface antigen 1 and apicoplast proteins using comprehensive immunoinformatics approaches. *Eur J Pharm Sci* 2021; 162: 105837. **(ISI)**

43. Morteza Shams, Laya Shamsi, Alireza Sadrebazzaz, Ali Asghari, Roya Badali, Mostafa Omidian, Soheil Hassanipour. A systematic review and meta-analysis on the global prevalence and subtypes distribution of *Blastocystis* sp. infection in cattle: A zoonotic concern. *Comp Immunol Microbiol Infect Dis* 2021; 76:10165. **(ISI)**

44. Morteza Shams, Hassan Nourmohammadi, Gholam Basati, Ghazaaleh Adhami, Hamidreza Majidiani, Esfandiar Azizi. Leishmanolysin gp63: Bioinformatics evidences of immunogenic epitopes in *Leishmania major* for enhanced vaccine design against zoonotic cutaneous leishmaniasis. *Informatics in Medicine Unlocked* 2021; 24:100626. **(Scopus)**

45. Ali Asghari, Hassan Nourmohammadi, Hamidreza Majidiani, Seyyed Ali Shariatzadeh, Morteza Shams. In silico analysis and prediction of immunogenic epitopes for pre-erythrocytic proteins of the deadly *Plasmodium falciparum*. *Infect Genet Evol* 2021; 93:104985. **(ISI)**

46. Ali Asghari, Hamidreza Majidiani, Mohammad Fatollahzadeh, Taher Nemati, Morteza Shams, Esfandiar Azizi, Amir Abdoli. Insights into the biochemical features and immunogenic epitopes of common bradyzoite markers of the ubiquitous *Toxoplasma gondii*. *Infect Genet Evol* 2021; 95:105037. **(ISI)**

47. Ali Asghari, Alireza Sadrebazzaz, Laya Shamsi, Morteza Shams. Global prevalence, subtypes distribution zoonotic potential and associated risk factors of *Blastocystis* sp. in domestic pigs (*Sus domesticus*) and wild boars (*Sus scrofa*): A systematic review and meta-analysis. *Microb Pathog* 2021; 160:105183. **(ISI)**

48. Ali Asghari, Ghazaaleh Adhami, Seyyed Ali Shariatzadeh, Bahareh Kordi, Davood Anvari, Morteza Shams, Hamidreza Majidiani, Mohammad Mahdi Darvishi. Confirmed cases of human *Onchocerca lupi* infection: a systematic review of an emerging threat. *Parasitol Res* 2021;120(11):3633-3644. **(ISI)**

49. Farzad Mahdavi, Morteza Shams, Alireza Sadrebazzaz, Laya Shamsi, Mostafa Omidian. Global prevalence and associated risk factors of diarrheagenic *Giardia duodenalis* in HIV/AIDS patients: A systematic review and meta-analysis. *Microb Pathog* 2021; 160:105202. **(ISI)**

50. Morteza Shams, Hassan Nourmohammadi, Ali Asghari, Gholam Basati, Hamidreza Majidiani, Razi Naserifar, Hamid Irannejad. Construction of a multi-epitope protein for human *Toxocara canis* detection: Immunoinformatics approach multi-epitope construct for *T. canis* serodiagnosis. *Informatics in Medicine Unlocked* 26 (2021) 100732. **(Scopus)**

51. Ali Asghari, Hamidreza Majidiani, Taher Nemati, Mohammad Fatollahzadeh, Morteza Shams, Razi Naserifar, Bahareh Kordi. *Toxoplasma gondii* tyrosine-rich oocyst wall protein: A closer look through an in silico prism. *Biomed Res Int* 2021; 2021:1315618. **(ISI)**

51. Morteza Shams, Sasan Khazaei, Naser Nazari, Hamidreza Majidiani, Bahareh Kord. Shedding light on biochemical features and potential immunogenic epitopes of *Neospora caninum* SAG1: In silico study. *Informatics in Medicine Unlocked* 2021; 100785. **(Scopus)**
52. Morteza Shams, Sasan Khazaei, Ezatollah Ghasemi, Naser Nazari, Erfan Javanmardi, Hamidreza Majidiani. Prevalence of urinary schistosomiasis in Women: a systematic review and meta-analysis of recently published literature (2016–2020). *Trop Med Health* 2022; 50(1):12. **(ISI)**
53. Ali Asghari, Hassan Nourmohammadi, Hamidreza Majidiani, Seyyed Ali Shariatzadeh, Davood Anvari, Sadegh Shamsinia, Ezatollah Ghasemi, Morteza Shams, Gholam Basati. Promising effects of parasite derived compounds on tumor regression: a systematic review of in vitro and in vivo studies. *Environ Sci Pollut Res Int* 2022; 29(22):32383-32396. **(ISI)**
54. Morteza Shams, Gholam Basati, Gholamreza Kalvandi, Amir Abdolid, Hamed Tavan. Frequency of underlying diseases symptoms and mortality rate of COVID-19: a systematic review and meta-analysis. *Rev Res Med Microbiol* 2022; 33: e189–e197. **(ISI)**
55. Ali Asghari, Bahareh Kordi, Bahman Maleki, Hamidreza Majidiani, Morteza Shams, Razi Naserifar. *Neospora caninum* SRS2 protein: essential vaccination targets and biochemical features for next-generation vaccine design. *Biomed Res Int* 2022; 2022:7070144. **(ISI)**
56. Naser Nazari, Bahareh Kordi, Bahman Maleki, Morteza Shams, Esfandiar Aziza, Hamidreza Majidiani, Razi Naserifar. Determination of B and T cell epitopes in *Neospora caninum* immune mapped protein-1 (IMP-1): Implications in vaccine design against neosporosis. *Biomed Res Int* 2022; 2022:2508050. **(ISI)**
57. Morteza Shams, Bahman Maleki, Bahareh Kordi, Hamidreza Majidiani, Naser Nazari, Hamid Irannejad, Ali Asghari. Towards the first multi-epitope vaccine candidate against *Neospora caninum* in Mouse model: Immunoinformatic standpoint. *Biomed Res Int* 2022; 2022:2644667. **(ISI)**
58. Morteza Shams, Sasan Khazaei, Razi Naserifar, Seyyed Ali Shariatzadeh, Davood Anvari, Fattaneh Montazeri, Majid Pirestani, Hamidreza Majidiani. Global distribution of *Echinococcus granulosus* genotypes in domestic and wild canids: a systematic review and meta-analysis. *Parasitology* 2022; 149(9):1147-59. **(ISI)**
59. Morteza Sham, Ali Asghari, Maryam Baniasad, Laya Shamsi, Alireza Sadrebazzaz. *Blastocystis* sp. in Small Ruminants: A Universal Systematic Review and Meta-analysis. *Acta Parasitol* 2022; 67(3):1073-1085. **(ISI)**
60. Farzad Mahdavi, Ali Asghari, Saeed Shahabi, Laya Shamsi, Farzaneh Soltani-Jazi, Alireza Sadrebazzaz, Morteza Shams. Distribution, genetic diversity, and zoonotic significance of *Blastocystis* subtypes in pet dogs. *Comp Immunol Microbiol Infect Dis* 2022; 88:101848. **(ISI)**
61. Mojtaba Azimi-Resketi, Saeed Heydaryan, Niloufar Kumar, Azin Takalou, Reza Esmaeelzadeh Dizaji, Bahman Noroozi Gorgani, Morteza Shams. Computational clues of immunogenic hotspots in *Plasmodium falciparum* erythrocytic stage vaccine candidate antigens: In silico approach. *Biomed Res Int* 2022; 2022:5886687. **(ISI)**
62. Morteza Shams, Laya Shamsi, Ali Asghari, Mohammad Hossein Motazedian, Behnam Mohammadi-Ghalehbin, Mostafa Omidian, Naser Nazari, Alireza Sadrebazzaz. Molecular epidemiology, species distribution, and zoonotic importance of the neglected meat-borne pathogen *Sarcocystis* spp. in cattle (*Bos taurus*): A global systematic review and meta-analysis. *Acta Parasitol* 2022; 67(3):1055–1072. **(ISI)**
63. Morteza Shams, Laya Shamsi, Amirhosein Yousefi, Alireza Sadrebazzaz, Ali Asghari, Behnam Mohammadi-Ghalehbin, Saeed Shahabi, Gholamreza Hatam. Current global status, subtype distribution and zoonotic significance of *Blastocystis* in dogs and cats: a systematic review and meta-analysis. *Parasit Vectors* 2022; 15(1):225. **(ISI)**
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64. Morteza Shams, Hassan Nourmohammadi, Hamidreza Majidiani, Seyyed Ali Shariatzadeh, Ali Asghari. Engineering a multi-epitope vaccine candidate against *Leishmania infantum* using comprehensive Immunoinformatics methods. *Biologia* (2022) 77:277–289. **(ISI)**
65. Fourogh Kazemi, Reza Arjmand, Majid Dousti, Maryam Fasihi Karami, Gholamreza Barzegar, Alireza Mohammadi, Morteza Shams. Toxoplasma and risk of spontaneous abortion: a meta-analysis in a population of Iranian Women. *Int J Fertil Steril* 2023;17(1):7-11. **(ISI)**
66. Salar Maani, Kavous Solhjoo, Mohammad Aref Bagherzadeh, Ahmadreza Bazmjoo, Hooshmand Ghorbaani Barnaaji, Hamed Mir, Fares Bahrami, Seyedeh Zahra Khademi, Morteza Shams, Amir Abdoli, Fatemeh Ghaffarifar. Prevalence of *Toxoplasma gondii* and *Neospora caninum* contaminations in poultry eggs: molecular surveillance in three different geographical regions of Iran. *Food Safety and Risk* 2023; 10(3):1-5. **(ISI)**
67. Ali Asghari, Mina Ebrahimi, Laya Shamsi, Alireza Sadrebazzaz, Morteza Shams. Global molecular prevalence of *Giardia duodenalis* in pigs (*Sus domesticus*): A systematic review and meta-analysis. *Heliyon* 2023;9(2): e13243. **(ISI)**
68. Salar Maani, Kavous Solhjoo, Mohammad Aref Bagherzadeh, Ahmadreza Bazmjoo, Morteza Shams, et al. Prevalence of *Toxoplasma gondii* and *Neospora caninum* contaminations in poultry eggs: molecular surveillance in three different geographical regions of Iran. *Food Safety and Risk* 2023; 10:3. **(ISI)**
69. Shams, M., Rashidi, A., Mohamadi, J., Abdoli, A., Falahi, S., et al. Real-time impact of COVID-19 pandemic on cutaneous leishmaniasis case finding and strategic planning, preventive interventions, control and epidemiology in a region with a high burden of cutaneous leishmaniasis and COVID-19: A cross-sectional descriptive study based on registry data in Ilam-Iran. *Health Science Reports* 2023; 6(8): e1489. **(ISI)**
70. Asghari, A., Ebrahimi, M., Shamsi, L., Sadrebazzaz, A., Shams, M. Global molecular prevalence of *Giardia duodenalis* in pigs (*Sus domesticus*): A systematic review and meta-analysis. *Heliyon* 2023; 9(2): e13243. **(ISI)**
71. Kazemi, F., Arjmand, R., Dousti, M., Mohammadi, A., Shams, M. Toxoplasma and risk of spontaneous abortion: A meta-analysis in a population of Iranian Women. *International Journal of Fertility and Sterility* 2023; 17(1): 7-11. **(ISI)**
72. Kordi, B., Basmenj, E.R., Majidiani, H., Nazari, N., Shams, M. In silico characterization of an important metacyclogenesis marker in *Leishmania donovani*, HASPB1, as a potential vaccine candidate. *Biomed Res Int* 2023;3763634. **(Scopus)**
73. Mojtaba Azimi-Resketi, Mehdi Akbari, Saeed Heydaryan, Amirreza Eftekhari, Javad Balali, Morteza Shams. In silico analysis of sporozoite surface antigen 1 of *Theileria annulata* (TaSPAG1) for multi-epitope vaccine design against theileriosis. *In silico Pharmacology* 2023 (2023-7-25);11(1):16. **(Scopus)**
74. Morteza Shams, Saeed Heydaryan, Mehdi Cheraghchi Bashi, Bahman Noroozi Gorgani, Ezatollah Ghasemi. In silico design of a novel peptide based vaccine against the ubiquitous apicomplexan *Toxoplasma gondii* using surface antigens. *In silico Pharmacology* 2023 (2023-3-26);11(1):5. **(Scopus)**
75. B Kordi, A Fotovati, H Majidiani, H Fazel, E Azizi, M Shams, A Abaszadeh. Sporozoite glycoprotein antigen (SGA) of *Cryptosporidium parvum* is a promising vaccine target for prevention of cryptosporidiosis In silico analysis of *C. parvum* SGA protein. *Informatics in Medicine Unlocked* 2023; 42:101333. **(Scopus)**
76. Esmail Roothparvar Basmenj, Mahshid Arastonejad, Mina Mamizadeh, Mahsa Alem, Mahdi Khalatbari Limaki, Shadan Ghiabi, Ali Khamesipour, Hamidreza Majidiani, Morteza Shams, Hamid Irannejad. Engineering and design of promising T-cell-based multi-epitope vaccine candidates against leishmaniasis. *Scientific Reports* 2023; 13:19421. **(ISI)**
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77. Azra Kenarkoohi, Amir Abdoli, Arman Rostamzad, Mahmoud Rashnavadi, Razi Naserifar, Jahangir Abdi, Morteza Shams, et al. Presence of Crispr cas-like sequences as a proposed mechanism for horizontal genetic exchanges between *Trichomonas vaginalis* and Its associated virus: A comparative genomic analysis with the first report of a putative crispr cas structures in eukaryotic cells. *Biomed Res Int* 2023; 2023:8069559. **(ISI)**
78. Razi Naserifar, Morteza Shams, Saeed Faiz Babaei, Nasrin Rezaee, Shahab Falahi, et al. A strategic summary of Cutaneous leishmaniasis registration program in Ilam province. *Journal of Ilam University of Medical Sciences* 2023; 31(5):127-33. **(ISC)**
79. Morteza Shams, Ali Mohammad Bahrami, Asma Mousivand, Laya Shamsi, Ali Asghari, Saeed Shahabi, Alireza Sadrebazzaz. First molecular characterization of *Blastocystis* subtypes from domestic animals (sheep and cattle) and their animal-keepers In Ilam, western Iran: A zoonotic concern. *J Eukaryot Microbiol* 2024; 13019. **(ISI)**
80. Ali Asghari, Amirhosein Yousefi, Mohammad Reza Mohammadi, Roya Badali, Laya Shamsi, Ahmet Efe Koseoglu, Amir Abbaszadeh, Morteza Shams, Behnam Mohammadi-Ghalehbin. Comparative molecular epidemiology, subtype distribution, and zoonotic potential of *Blastocystis* sp. in Equus animals (horses, donkeys, and mules) in northwestern Iran. *Comp Immunol Microbiol Infect Dis* 2024;106: 102124. **(ISI)**
81. Amir Dehghani, Mina Mamizadeh, Atena Karimi, Seyyed Amir Hosseini, Davood Siamian, Morteza Sham, Shadan Ghiabi, Gholam Basati, Amir Abaszadeh. Multi-epitope vaccine design against leishmaniasis using IFN- γ inducing epitopes from immunodominant gp46 and gp63 proteins. *Journal of Genetic Engineering and Biotechnology* 2024;22: 100355. **(ISI)**
82. Mohammad Reza Hafezi Ahmadi, Mina Mamizadeh, Davood Simian, Mehdi Ali Asghari Touyeh, Morteza Shams, Yasaman Rashidi. Immunoinformatic analysis of *Leishmania* major gp46 protein and potential targets for vaccination against Leishmaniasis. *Recent Adv Inflamm Allergy Drug Discov* 2024 ;18(2):129-39. **(ISI)**
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Abstracts

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2. Shamsi M, Sayfi T, Hoshmanfar R. Study and survy the cuses factors of bactria abortiob on sheep in Ilam province. 11th Iranian Microbiology Congressan 1st East Mediterranean Microbiology Congress. Guilan Uni Med Sci 2010; Guilan, Iran
3. Babaahmadi E, Taherpour K, Shamsi M. Prevalence of gastrointestinal nematodes in nursing calves. The 1st International Congress of large animal practitioners 2011; Tehran, Iran
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24. Lavaeimonfared A, Shamsi M. Study of the effect of adding probiotic alone and with antibiotics or enzyme to diet on some of the serum biochemical parameters and also the counting of the white blood cells. The 4 th Veterinarias Clinical Sciences Congress 2004; Urmia, Iran.
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26. Morteza Shamsi. Effect of Aloe vera extract on cutaneous leishmaniasis in human wound healing compared to glucantime. The 5th Paramedical Students Congress 2010; Tehran, Iran
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طرح های تحقیقاتی :

- 1) مجری و همکار در انجام بیش از 22 طرح تحقیقاتی مصوب دانشگاهی ، استانی و نیماد
- 2) مجری طرح فناورانه در دانشگاه علوم پزشکی ایلام با ایده : " تولید دستگاه الکترویهیدروتراپی فیزیوتراپی در آب و انتقال داروهای قطبی به غشای سلولی برای انتقال بهینه داروهای موضعی "
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Inventions

Title: Electro hydrotherapy, physiotherapy in water and transfer of polar drugs to the cell membrane.

<https://ipm.ssaa.ir/Search-Result?page=1&DecNo=140250140003004246&RN=110557>

Grants

- 1) **Title:** A survey on prevalence and molecular characteristics of *Linguatula serrata* parasite in mesenteric glands of slaughtered animals (sheep and goats) in slaughterhouse of Ilam province

Employer: Department of Veterinary Medicine of Ilam Province (1400)

- 2) **Title:** Determining the agent dominant species of human and animal brucellosis in endemic areas of Ilam province

Employer: Department of Veterinary Medicine of Ilam Province (1402)

Honors and Ranking

2009: Selected as one of the Top Writers Book of the Iran. (The Comprehensive of Arthropod in Veterinary)
