

In the name of God

Curriculum Vitae



Personal Information

- ❖ First name: Hakim
- ❖ Last name: Azizi
- ❖ Marital status: Married (No children)
- ❖ Date of birth: 30 April 1985
- ❖ Nationality: Iranian
- ❖ Languages: Kurdish(native), Persian (native), English(writing and speaking fluently)

- ❖ Current Position: Assistant Professor of Parasitology, Department of Parasitology, School of Medicine, Zabol University of Medical Sciences, Zabol, Iran
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Education

- ❖ B.Sc. in Veterinary Laboratory Sciences, Semnan University, 2004-2009
- ❖ M.Sc. in Medical Parasitology, Uromia University of Medical Sciences, 2009-2011
- ❖ PhD in Medical Parasitology, Tehran University of Medical Sciences, 2011-2015

Honors, Prizes and Awards

- ❖ 5th rank in Medical parasitology in PhD. entrance exam of ministry of health and medical

- ❖ Member Of “Iran's National Elites Foundation (That consists of the most intelligent and talented students at universities of Iran)

Research Experience

- ❖ M.Sc.

Thesis Title:

Evaluation of adjuvant activity of alum-naloxone and alum naltrexone mixtures on efficacy of complete *Plasmodium berghei* blood stage vaccine in BALB/c mice

Supervisors: Prof. **Habib Mohammadzadeh** AND Prof. **Shahram Shahabi**

- ❖ PhD.

Thesis Title:

preparation of DNA vaccine including the coding genes of 8 kDa protein of antigenB of *Echinococcus granulosus* and IL-12 and evaluating the immune responses induction in BALB/c

Supervisors: Prof. **Mohammad Bagher Rokni** AND Prof. **Bahram Kazemi**

Practical Skills

- ❖ Primary and lined cell culture
- ❖ Molecular methods of RT-PCR , RFLP, Cloning
- ❖ Western blot
- ❖ PCR and ELISA set up and interpretation of results
- ❖ Troubleshooting of PCR techniques in the laboratory
- ❖ Design and utilizing primers for PCR
- ❖ Animal experimentation with mouse, rat, as well as Nude mice

Computer Skills

- ❖ Received ICDL certification from Tehran university academic center for education and Research
- ❖ Received Scientific Writing certification from Tehran University of Medical Sciences

- ❖ Expert in Systemic Searching
- ❖ Expert in the following software programs and application:
- ❖ The mapping viewer program such as: CLC and Map Viewer
- ❖ Primer designing and analyzing tools and programs such as: Primer Premier,
- ❖ Oligo7, Gene Runner
- ❖ Phylogenetic software such as: MEGA6.0
- ❖ Reference manager software programs such as: Endnote, Mendeley
- ❖ Statistical software such as: SPSS

Workshop Instructor

- ❖ Ethics in Research Workshop held by Zabol University of Medical Sciences, Zabol, Iran Iran.(3 Times)

Scientific Interests

- ❖ Genetics and genetic engineering
- ❖ Application of biotechnology to detect parasites
- ❖ Immunoparasitology
- ❖ Design vaccine for parasitic diseases

Publications

1. **Frequency of Human Hydatidosis of People Referring to the Health Centers in Sistan, Southeastern Iran,.... [Azizi Hakim](#).** Iranian journal of public health.(2022)
2. **Synthesis, characterization and in vitro evaluation of cytotoxicity and antibacterial properties of vanadyl complexes of the pyridoxal Schiff bases....[Hakim Azizi](#).** Journal of Molecular Structure, (2021)
3. **Genotype and subtype analyses of *Cryptosporidium* isolate from humans by gp60 PCR-RLFP in Zabol, Southeast of Iran. ...[Hakim Azizi](#).** Modern Medical Laboratory Journal 4 (1), 5-10
4. **Genetic Study of *Cryptosporidium* with SSU-rRNA in Children Younger Than Ten Referring to Hospitals of Zabol, Southeast of Iran.** Habibeh Mohammadian, [Hakim Azizi](#) and Mansour Dabirzadeh. Shiraz E-Med J.(2019).
5. **Intra-Species Diversity of *Leishmania major* and *L. tropica* from Clinical Isolates of Cutaneous Leishmaniasis in Southwest Iran Inferred by ITS1-rDNA.....[Azizi Hakim](#).** Iranian journal of public health.(2019)

6. **Trichomoniasis Prevalence at a Care Center Among Women with High-Risk Behaviors in Zahedan, Iran....**[Azizi Hakim](#). Int J High Risk Behav Addict.(2019)
7. **Identification and Phylogenetic Classification of Fasciola species Isolated from Sheep and Cattle by PCR-RFLP in Zabol, in Sistan and Baluchistan Province, Southeast Iran.** [Azizi Hakim](#) et al. Iranian journal of public health.(2019)
8. **A Seroprevalence Study of Toxoplasmosis in Female Students in Zahedan, South East of Iran...**[Azizi Hakim](#). Iranian journal of public health.(2019)
9. **Seroepidemiology of Toxocara canis in Children under 14 Years Referring to Laboratories of Sistan and Baluchestan Province in Southeast of Iran. ...**[Hakim AZIZI](#). Iranian journal of parasitology(2019)
10. **High-Resolution Melting Analysis as an Appropriate Method to Differentiate between Fasciola hepatica and F. gigantica. ...**[Hakim AZIZI](#). Iranian journal of public health.(2019)
11. **A Survey on the Adjuvant Role of Naloxone Alone or Combined with Alum in Vaccination Against Fasciolosis in BALB/c Mice.** [Hakim Azizi](#) et al. Acta Parasitologica: (2019)
12. **Naltrexone; as an efficient adjuvant in induction of Th1 immunity and protection against Fasciola hepatica infection.** [Hakim Azizi](#) et al. Experimental Parasitology (2018)
13. **How Should We Report the Variation of a Study Data in a Biomedical Literature?** Kareem HATAM-NAHAVANDI, Mohammad JAFARI-MODREK, [Hakim AZIZI](#), Hadi NAKHZARI-MOGHADAM. Iranian journal of public health.(2018)
14. **Molecular and Morphometrical Characterization of Fasciola Species Isolated from Domestic Ruminants in Ardabil Province, Northwestern Iran.** Mojgan ARYAEIPOUR , Arezoo BOZORGOMID , Bahram KAZEMI , Masoud BEHNIA , [Hakim AZIZI](#), *Mohammad Bagher ROKNI. Iran J Public Health(2017)
15. **Copper/copper oxide nanoparticles synthesis using Stachys lavandulifolia and its antibacterial activity .**Mehrdad Khatami, Hossein Heli, Peyman Mohammadzadeh Jahani, [Hakim Azizi](#), Marcos Augusto Lima Nobre.IET Nanobiotechnology(2017)
16. **Evaluation of Antibacterial Activity of Iron Oxide Nanoparticles Against Escherichia coli.** Mehrdad Khatami, Mohammad Reza Aflatoonian, [Hakim Azizi](#)*. Int J Basic Sci Med. (2017)
17. **Modulation of the Immune Response to DNA Vaccine Encoding Gene of 8-kDa Subunit of Echinococcus granulosus Antigen B Using Murine Interleukin-12 Plasmid in BALB/c Mice.** [Hakim AZIZI](#), Bahram KAZEMI, Mehdi MOHEBALI, Ali KHAMESIPOUR, *Mohammad Bagher ROKNI Iranian journal of parasitology(2016)

18. **Molecular Cloning and Expression an 8-kDa Subunit of Antigen B from G1 strain of *Echinococcus granulosus*.** [Hakim AZIZI](#) , Bahram KAZEMI, Mehdi MOHEBALI, Ali KHAMESIPOUR, *Mohammad Bagher ROKNI. Iran J Public Health(2015)
19. **Experimental Life Cycle of *Hypoderaeum conoideum* (Block, 1872) Diez, 1909 (Trematoda: Echinostomatidae) Parasite from the North of Iran.** [Hakim AZIZI](#), *Ali FARAHNAK, Iraj MOBEDI, MohamadBagher MOLAEI RAD. Iran J Parasitol(2015)
20. **A novel adjuvant, the mixture of alum and naltrexone, augments vaccine-induced immunity against *Plasmodium berghei*.** Shahram Shahabi, [Hakim Azizi](#), Ebrahim Mazloomi, Khosrow Hazrati Tappeh, Shahram Seyedi, Habib Mohammadzadeh. Immunological Investigations(2014)
21. ***Pediculosis capitis* among Primary School Children and Related Risk Factors in Urmia, the Main City of West Azarbaijan, Iran.** Hazrati Tappeh , *AR Chavshin , H Mohammadzadeh Hajipirloo,.....[H Azizi](#). J Arthropod-Borne Dis(2012)

Articles in Congresses

1. Shahram Shahabi, [Hakim Azizi](#), Ebrahim Mazloomi, Khosrow Hazrati Tappeh, Shahram Seyedi, Habib Mohammadzadeh. **A novel adjuvant, the mixture of alum and naltrexone, augments vaccine-induced immunity against *Plasmodium berghei*.** *12th International Congress of Immunology & Allergy TEHRAN, IRAN 2014*
2. [Hakim AZIZI](#), *Ali FARAHNAK, Iraj MOBEDI, MohamadBagher MOLAEI RAD. **Experimental Life Cycle of *Hypoderaeum conoideum* (Block, 1872) Diez, 1909 (Trematoda: Echinostomatidae) Parasite from the North of Iran.** *2nd International and 9th National Congress of Parasitology and Parasitic Diseases of Iran Guilan, Iran. 2015*
3. Aliyar Mirzapour, Hamed Behniafar, Adel Spotin, [Hakim Azizi](#), Maryam Norouzi, Seyyed Javad Seyyed Tabaei. **Genetic diversity and molecular characterization of *Leishmania major* and *Leishmania tropica* from Iranian cutaneous leishmaniasis patients.** *3rd International & 10th National Congress of Parasitology & Parasitic Diseases of Iran, Shiraz, Iran 2017*
4. [Hakim AZIZI](#), Bahram KAZEMI, Mehdi MOHEBALI, Ali KHAMESIPOUR, *Mohammad Bagher ROKNI. **Modulation of the Immune Response to DNA Vaccine Encoding Gene of 8-kDa Subunit of *Echinococcus granulosus* Antigen B Using Murine Interleukin-12 Plasmid in BALB/c Mice.** *3rd International & 10th National Congress of Parasitology & Parasitic Diseases of Iran, Shiraz, Iran 2017*
5. Hosseini-Safa A, Rokni MB, Aryaiepour M, Heydarian P, [Azizi H](#), Davari F. **Molecular identification between *Fasciola hepatica* and *Fasciola gigantica*; is the High Resolution Melting Analysis an appropriate method to differentiate them?** *3rd International & 10th National Congress of Parasitology & Parasitic Diseases of Iran, Shiraz, Iran 2017*

6. Hakim Azizi. Naltrexone; as an efficient adjuvant in induction of Th1 immunity and protection against *Fasciola hepatica* infection. 14th International Congress of Immunology & Allergy TEHRAN, IRAN 2018

Teaching Experiences

1- M.Sc. students in Medical Parasitology at Zabol Medical University, Zabol, Iran since 2016 till now:

- ❖ Protozoology
- ❖ Helminthology
- ❖ Laboratory animals
- ❖ Genetic engineering

2- Medical, Pharmacy and Laboratory Sciences students in Medical Parasitology at Zabol Medical University, Zabol, Iran since 2016 till now:

- ❖ Parasitology

Supervisor or co-supervisor of ongoing theses

1. Moein hoseini, MSc. student of Medical Parasitology; Investigation of relationship between toxoplasmosis and risk of covid-19 in Sistan

Adviser of Theses

1. Rahman Sarani, MSc. student of Medical Parasitology; Study on the genomic diversity of *Hymenolepis nana* between human isolates by PCR-sequencing
2. Behjat rahpayma, MSc. student of Medical Parasitology; Determination of genotype *Echinococcus granulosus* from paraffin embedded tissues and infection of hydatid cyst in slaughtered animals based on rDNA-ITS1 gene by method PCR-RFLP
3. Masoumeh danaei, MSc. student of Medical Parasitology; Investigation of G6PD enzyme deficiency in malaria patients in Sistan and Baluchestan province.

Finished Theses

1. Habibeh Mohamadian, MSc. student of Medical Parasitology; Detection of *Cryptosporidium* genotypes and subgenotypes identified in Children ten years older targeting GP60 and SSU genes by use of RFLP method.
2. Sedigheh Mir, MSc. student of Medical Parasitology; Genotyping analysis of *Fasciola* spp. Isolated from sheep and cattle using PCR-RFLP in Zabol, southeastern Iran
3. Rahman sarani, MSc. student of Medical Parasitology; Study on the genomic diversity of *Hymenolepis nana* between human isolates by PCR-sequencing.
4. Marim hataminejad, MSc. student of Medical Parasitology; Survey of frequency of human hydatidosis using antigen B by ELISA method in Sistan region in 2018 (phase 1 of Sistan hydatidosis cohort)
5. Esmaeel sarani, MSc. student of Medical Parasitology; Evaluation of genetic diversity of *Toxocara canis* in stray dogs of Zabol city
6. Hosein yosefnia, MSc. student of Medical Parasitology; Comparison of ELISA and Nested-PCR Assay for Diagnosis of Toxoplasmosis in Thalassemia Patients by Targeting RE gene
7. Farid alizadeh, MSc. student of Medical Parasitology; Efficacy Evaluation of DNA Vaccine Including the Coding Genes of Immune Mapped Protein-1 of *Toxoplasma gondii* RH strain
8. Elham mahdavi, MSc. student of Medical Parasitology; Antileishmanial Activity of Naltrexone on *L. major* *in vivo* model (BALB/c) Mice.
9. Saeid rahim, MSc. student of Medical Parasitology; Species Identification and Genotyping of Cutaneous Leishmaniosis in Clinical Samples Based on ITS-PCR-Sequencing in Southeast of Iran.
10. Salehe ghanbari, MSc. student of Medical Parasitology; Evaluation of the Effect of Hydroalcohol *Alhagi camelorum* Extract in the prevention of secondary hydatid cyst in mice.

Principal investigator on co-investigator of ongoing projects

1. Evaluation effect of concomitant administration of alum-naloxone and alum-naltrexone mixtures with of *Fasciola hepatica* excretory and secretory products in Balb/c mice. (School of Medicine, Zabol University of Medical Sciences, Zabol, Iran)
2. Design and preparation of DNA vaccine including the coding genes of Immune Mapped Protein-1 of *Toxoplasma gondii* (RH strain) and murine IL-12 and evaluating its efficacy in BALB/c mice. (School of Medicine, Zabol University of Medical Sciences, Zabol, Iran)
3. Evaluation of the Effect of Naloxone Administration on Parasitemia and Mortality due to *Plasmodium berghei* in BALB / c (School of Medicine, Zabol University of Medical Sciences, Zabol, Iran)
4. Preparation of DNA vaccine including the coding genes of 8 kDa protein of antigen B of *Echinococcus granulosus* and IL-12 and evaluating the immuno responses induction in BALB/c mice (Tehran University of Medical Sciences, Tehran, Iran)

Finished Projects

1. Evaluation effect of concomitant administration of alum-naloxone and alum-naltrexone mixtures with of *Fasciola hepatica* excretory and secretory products in Balb/c mice. (School of Medicine, Zabol University of Medical Sciences, Zabol, Iran)
2. Evaluation of the Effect of Naloxone Administration on Parasitemia and Mortality due to *Plasmodium berghei* in BALB / c (School of Medicine, Zabol University of Medical Sciences, Zabol, Iran)
3. Preparation of DNA vaccine including the coding genes of 8 kDa protein of antigen B of *Echinococcus granulosus* and IL-12 and evaluating the immuno responses induction in BALB/c mice (Tehran University of Medical Sciences, Tehran, Iran)

Administrative Experience

- ❖ Researches Director of Zabol University of Medical Sciences; from Dec 2016 till Mar 2019
- ❖ Head of Technology Incubator Center of Zabol University of Medical Sciences; from June 2018 till now
- ❖ Secretary of the Research Committee of the Health and Treatment of Unexpected Accidents; Zabol University of Medical Sciences; from 2017 till now
- ❖ Member of “Research Council of Zabol University of Medical Sciences”; from Dec 2016 till Mar 2019
- ❖ Member of “Editorial Board of International Journal of Basic Sciences in Medicine”

- ❖ Member of “the Ethics Committee of Zabul University of Medical Sciences”; from June 2018 till now
- ❖ Head of the Department of Parasitology, Faculty of Medicine; from August 2021 till now

Referees:

1. Prof. Mohammad Bagher Rokni, Department of Medical Parasitology, Tehran University of Medical Sciences, Tehran, Iran roknimoh@tums.ac.ir mbrokni@gmail.com

2. Prof. Ali Khamesipour, Skin and Leprosy Research Center, Tehran University of Medical Sciences, Tehran, Iran ali.khamesipour@gmail.com ali.khamesipour@gmail.com