

Curriculum Vitae(Resume)



**Department: Parasitology, Faculty: Medicine, University: Ilam University of
Medical Sciences**

Personal information: Asad Mirzaei

Date of Birth: 31/05/1973 (1352/03/10)

Fax number:

Place of Birth: Ilam-Iran

Marital status: Married

Contact address: email: **amirzaei@yahoo.com**

Tel: +989188416653

Academic education:

-Ph.D. year kind of PhD/University, Faculty, City

Medical Parasitology, 2011, Parasitology Department, Faculty of Medicine Shahid
Beheshti University of Medical Science, Tehran-Iran.

Advisor: Dr. Sohaila Rouhani, Dr. Parviz Parvizi

-MSc. : Medical Parasitology 2003, Parasitology Department, Faculty of Medicine,
Joundi Shahpour University, Ahvaz-Iran.

Advisor: Dr. Abdollah Rafiei

Thesis / Dissertations:

PhD thesis entitle: Detection and determination of *Leishmania* species in rodents in endemic areas of Iran by molecular tools.

Membership in societies: Iranian Parasitology Society

Current position:

Assistant professor

Scientific member of Ilam University of Medical Science

Work experience:

Head of EDO of faculty of Medicine

Head of Ilam references laboratory.

Head of laboratory of Ilam Blood transfusion organization

Research interests:

Leishmaniasis and *Leishmania* reservoirs host, genetic polymorphism of *Leishmania*,
Hydatid Cyst.

Research projects:

۱: بررسی فون میزبانان مخزن لیشمانیا ماژور و تعیین میزان آلودگی آنها در مناطق اندمیک ایران

2: Molecular tools for investigating leishmaniasis emergence in Fars province, Iran This research project is funded by the WHO, involving Dr Paul Ready (NHM) and Dr. Parvin Afsar Kazerooni (Manager of Centre of Disease Control, Health Department, Shiraz University of Medical Science, Fars Province, Iran).

۳: اپیدمیولوژی مولکولی بیماری لیشمانیوز جلدی روستایی در کانون اندمیک ترکمن صحرا در استان

گلستان

Research visits:

6 month Scholarship for research and scientific visit in Institut für Mikrobiologie und Hygiene, Charite, Universität Medizin, Berlin, Germany.

Workshop attendance:**Publications(Journals):****Domestic Journals:**

1. Mohammad Reza Mahmoudi, Asad Mirzaei. Evaluation of immunomagnetic separation and the sucrose flotation methods coupled with immunofluorescence or PCR for detection of Cryptosporidium and Giardia (oo)cysts in water samples. J Bas Res Med Sci 2015; 2(4):41-44.
2. A Mirzaei, S Rouhani, PA Kazerooni, M Farahmand, P Parvizi. Molecular detection and conventional identification of Leishmania species in reservoir hosts of Zoonotic Cutaneous Leishmaniasis in Fars Province, South of Iran. Iranian Journal of Parasitology 2013, 8(2): 280-288.
3. J Abdi, S Shojaee, A Mirzaei, H Keshavarz. Seroprevalence of Toxoplasmosis in pregnant women in Ilam province, Iran. Iranian J. parasitology 2008:Vol 3, NO 2, PP.34-37.
4. Rafiei A, **Mirzaei A**, Jahanshahi AH, Talaeizadeh AH and Maraghi S. Evaluation of Echinococcus granulosus protoscolex antigen in human cystic echinococcus detection using ELISA and Western Blotting. Scientific Medical Research Journal. The seasonal medical research journal of Ahwaz Joundi Shahpur University of Medical Sciences 2005, 3;4:331-340.
5. Rafiei A, Lorgard Dezfulinejhad M, **Mirzaei A**. Evaluation and comparison of hydatid cyst fluid and protoscolex antigens from different intermediate hosts and human by SDS-PAGE gelelectrophoresis and Western blotting. Journal of Ilam University of Medical Sciences.Spring 2005;13:1

۶. اسد میرزائی، سهیلا روحانی، پرویز پرویزی، محمدرضا محمودی. جداسازی و تعیین انگل لیشمانیا با استفاده از روش های متداول و تکنیک های مولکولی از مخازن لیشمانیازیس جلدی در شهرستان اصفهان. مجله علمی دانشگاه علوم پزشکی ایلام ۱۳۹۳، دوره ۲۲ شماره ۱.
۷. محمدرضا محمودی، جلیل توکلی افشار، مسعود مهاجری، عبدالمجید فتی، محمدجواد یزدان پناه، محمدتقی شاکری، اسد میرزائی. تعیین عامل لیشمانیازیس جلدی به روش مولکولی در شهر مشهد. مجله علمی دانشگاه علوم پزشکی ایلام ۱۳۸۹، دوره ۱۸ شماره ۲.

International journals:

1. M. R. Mahmoudi, E. Nazemalhosseini-Mojarad, B. Kazemi, A. Haghghi, **A. Mirzaei**, A. Mohammadiha, S. Jahantab, L. Xiao and P. Karanis. Cryptosporidium genotypes and subtypes distribution in river water in Iran. 2015; Journal of Water and Health, 13.2.
2. **Asad Mirzaei**, Carola Schweynoch, Soheila Rouhani, Parviz Parvizi and Gabriele Schonian. Diversity of *Leishmania* species and of strains of *Leishmania major* isolated from desert rodents in different foci of cutaneous leishmaniasis in Iran. Trans R Soc Trop Med Hyg. 2014; 108: 8, 502-512.
3. Gholam Basati, Amirnader Emami Razavi, Soheila Abdi, **Asad Mirzaei**. Elevated level of microRNA-21 in the serum of patients with colorectal cancer. Med Oncol (2014) 31:205.
4. S Rouhani, **A Mirzaei**, A Spotin, P Parvizi. Novel identification of *Leishmania major* in *Hemiechinus auritus* and molecular detection of this parasite in *Meriones libycus* from an important foci of zoonotic cutaneous leishmaniasis in Iran Journal of infection and public health. 2014; 7, 210—217
5. Mohammad-Reza Mahmoudi, Bahram Kazemi, Anita Mohammadiha, **Asad Mirzaei** and Panagiotis Karanis. Detection of Cryptosporidium and Giardia (oo)cysts by IFA, PCR and LAMP in surface water from Rasht, Iran. Trans R Soc Trop Med Hyg_2013 Aug;107(8):511-7.

6. Mohammad Akhouni, Mehdi Mohebbi, Mina Asadi, Kamyar Amraei, **Asad Mirzaei**. Molecular characterization of *Leishmania* spp. infection in animal reservoir hosts in endemic foci of zoonotic cutaneous leishmaniasis in Iran. *Folia Parasitologica* 2013
7. Mohammad Akhouni, **Asad Mirzaei**, Ahmad Baghaei, Bulent Alten, Jerome Depaquit Sand flies composition in the endemic and non-endemic foci of visceral leishmaniasis in north-western Iran. *Journal of Vector Ecology*. 2013;38:1, 97-104
8. **A. Mirzaei**, S. Rouhani, H. Taherkhani, M. Farahmand, B. Kazemi, M. Hedayati, A. Baghaei, B. Davari, P. Parvizi. Isolation and detection of *Leishmania* species among naturally infected *Rhombomis opimus*, a reservoir host of zoonotic cutaneous leishmaniasis in Turkmen Sahara, North East of Iran. *Experimental Parasitology* 2011; 129:375-380.

Papers presented in Symposiums or Congresses:

Domestic congress:

1. Mohammad Reza Mahmoudi, Seyed hosyen Seyedpour, Asad Mirzaei. *Acanthamoeba* in Sea and Hot springs water samples from Mazandaran Province. Second international and 9th national congress of Parasitology and parasitic diseases in Iran, 20-22 May 2015 Guilan, Iran.
2. **Mirzaei Asad***, Rouhani Soheila, Parvizi Parviz. Detection and determination of *Leishmania* parasite in reservoir hosts of Leishmaniasis in Isfahan province using routine laboratory methods and molecular tools. 1st international and 8th national congress of Parasitology and parasitic diseases in Iran, 16-18 Oct, 2012, Kerman, Iran
3. Parvizi P*., Najafzadeh N., **Mirzaei A.**, Baghaei A., Roshanghalb M., Rohani S., Taherkhani H. Identifying at least three *Leishmania* species in vectors, reservoirs and suspected patients of zoonotic cutaneous leishmaniasis in Turkmen Sahara, Iran, by trgeting ITS-rDNA and microsatellite genes and phylogenetic analysis. *Iran J Med Sci*, September 2012, Vol 37, No 3, Supplement 1. Mashhad, Iran.

4. **Mirzaei A.** Schönian G, Rouhani S, Parvizi P. Identification of geographically distributed sub-populations of *Leishmania major* by Multilocus microsatellite analysis. 4th Congresses of laboratory and Clinic, 21-23 December 2011, Tehran, Iran.
5. **A.Mirzaei**, P.Parvizi, S. Rouhani, A., HA. Taherkhani, M.Hedayati. Evaluation of *Leishmania* infection in *Rhombomis opimus* as a main reservoir host of Cutaneous leishmaniasis in Turkemen sahra, Iran. 11th Iranian Microbiology Congress & 1th East Mediterranean Microbiology Congress, 10-13 May 2010. Guilan University of Medical Science- Iran.
6. P. Parvizi , M. hedayati , S. Rouhani, **A. Mirzaei**, M. Asmar. First detection of *Leishmania* parasite in *M. lybicus* reservoir of Zoonotic Cutaneous Leishmaniasis in Turkemen Sahara,(Golastan province). 11th Iranian Microbiology Congress & 1th East Mediterranean Microbiology Congress, 10-13 May 2010. Guilan University of Medical Science.
7. Parviz Parvizi, Fereshte Ahmadpour, Elnaz Alae Novin , **Asad Mirzaei**, Mojtaba Hedayati.(2010). Detection process of *Leishmania* parasite in reservoir host of leishmaniasis in Fers Province using three routine laboratory methods and by Nested PCR of ITS-DNA gene. 11th Iranian Microbiology Congress & 1th East Mediterranean Microbiology Congress, 10-13 May 2010. Guilan University of Medical Science.
8. P. parvizi, E. Alae Novin, M. Akhoundi, **A. Mirzaei**, F. Fardid and M. Hedayati.(2009).Detection and Identification of three *Leishmania* species, *L. major*, *turanica* and *gerbilli* using Nested-PCR and sequencing of ITS-rDNA in Iraniaia sand flies.the 6th National Biotechnology Congress of Iran. 13-15 aug, 2009, Milad Tower Conference HALL, Theran-Iran. Poster Presentation.
9. M. Hedayati, p.parvizi, **A.Mirzaei**, F.Fardid. Isolation of *Leishmania major* parasites from reservoirs of Zoonotic cutaneous leishmaniasis in Turkaman Sahra foci, using kDNA and ITSr-DNA Gene. the 6th National Biootechnology Congress of Iran. 13-15 aug, 2009, Milad Tower Conference HALL, Theran-Iran. Poster Presentation.

۱۰. محمدرضا محمودی، علی حقیقی، نیلوفر تقی پور، آینتا محمدیها، اسد میرزائی (۱۳۸۳). آمیبیازیس: شناسائی انتاموبا هیستولیتیکا در منابع آبی. بیست و یکمین کنگره بیماری های گرمسیری و عفونی ایران. ۳۰ دی ماه لغایت ۴ بهمن ۱۳۹۱، تهران، ایران.
۱۱. دکتر رفیعی عبدالله، میرزائی اسد، دکتر جهانشاهی عبدالهادی، دکتر طلائی زاده عبدالحسین، دکتر مراغی شریف و پروفیسور کریج (۱۳۸۳). تشخیص سرولوژیکی کیست هیداتیک و کاربرد آنتی ژن های متفاوت. کنگره آزمایشگاه های گذشته، حال، آینده. ۲۸-۲۳ خردادماه ۱۳۸۳، تهران مرکز همایش های رازی. سخنرانی.

12. Rafiei A., **Mirzaei A.**, Jahanshahi AH., Talaeizadeh AH., and Maraghi S. Criag(2004). serologic diagnosis of Hydatid cyst and different antigens applied. Past, present & future laboratory congress. Spring 2004. Razi Hall, Tehran-Iran. Oral presentation.

International congress:

1. P. Parvizi, M. Hedayati, E. Alae Novin, A. Mirzaei, P. Afsar Kazerooni, F. Ahmadipour(2010). Detection process of *Leishmania* parasite in reservoir host of leishmaniasis in Fers Province using three routine laboratory methods and by Nested PCR of ITS-DNA gene. XII International Congress of Parasitology, ICOPA 15-20 August, 2010 - Melbourne, Australia.
2. P. Parvizi, M. Hedayati, **A. Mirzaei**, H. Taherkhani, M. Farahmand (2010). First detection of *Leishmania* parasite in *M. lybicus* reservoir host of zoonotic cutaneous leishmaniasis in Turkemen Sahara(Golestan province). XII International Congress of Parasitology, ICOPA 15-20 August, 2010 - Melbourne, Australia.
3. **A. Mirzaei**, P. Parvizi, S Rouhani, M. Hedayati, H. Taherkhani. E. Alae Novin(2010). Evaluation of *Leishmania* infection in *Rhobomis opimus* as a main reservoir host of zoonotic cutaneous leishmaniasis in Turkemen sahara, Iran. XII International Congress of Parasitology, ICOPA 15-20 August, 2010 - Melbourne, Australia.
4. E. Alae Novin, P. Parvizi, **A. Mirzaei**, M. Hedayati, P. Afsar Kazerooni, S. Rouhani(2010). Detection process of *Leishmania* parasite in reservoir host of

leishmaniasis in Fers Province using three routine laboratory methods and by Nested PCR of ITS-DNA gene. International Journal of Infectious Diseases, Vol. 14, Suppl. 2, July 2010

5. M. Hedayati, E. Alae Novin, P. Parvizi, A. Mirzaei, H. Taherkhani, S. Rouhani(2010). First detection of *Leishmania* parasite in *M. lybicus* reservoir host of zoonotic cutaneous leishmaniasis in Turkemen Sahara(Golestan province). International Journal of Infectious Diseases, Vol. 14, Suppl. 2, July 2010
6. P. Parvizi, A. Mirzaei, S Rouhani, M. Hedayati, H. Taherkhani(2010). Evaluation of *Leishmania* infection in *Rhobomis opimus* as a main reservoir host of zoonotic cutaneous leishmaniasis in Turkemen sahara, Iran. International Journal of Infectious Diseases, Vol. 14, Suppl. 2, July 2010
7. S. Maraghi, A. Mirzaei, M. Lorgard Dezfulinejad, A. Hemadi (2004). study the parasitic infection of Bat in Ahvaz city south-west part of iran. 1X European Multicolloquium of Parasitology, Valencia Congress. Valencia-Spain.Oral Presentation.
8. Rafiei A., Mirzaei A., Jahanshahi AH., Talaeizadeh AH., and Maraghi S.(2004).Evaluation of Echinococcus granulosus protoscolex Antigen in serodiagnosis of human Hydatidosis using ELISA and Westerblot.The XXIst International Congress of Hydatidology. 16-21 Aug 2004. Nairobi-Kenya. Oral presentation.

Gene submission in GeneBank

Access No:

Leishmania infantum JX151015

*Leishmaniamajorisolate*IRN155 *Leishmaniamajorisolate*IRN155 KJ194177

*Leishmaniamajorisolate*IRN155 *Leishmaniamajorisolate*IRN186 KJ194178

*Leishmaniamajorisolate*IRN155 *Leishmaniamajorisolate*IRN191 KJ194179

*Leishmaniamajorisolate*IRN155 *Leishmaniamajorisolate*IRN198 KJ194180

*Leishmaniamajorisolate*IRN155 *Leishmaniamajorisolate*IRN227 KJ194181

Cryptosporidium muris *Cryptosporidiummuris* KJ162056

Cryptosporidium muris *Cryptosporidiummuris*, KJ162057

Cryptosporidium parvum *Cryptosporidium* KJ162058

Cryptosporidium_andersoni.sqn *Cryptosporidium andersoni* KJ162059

Cryptosporidium_andersoni.sqn *Cryptosporidium andersoni* KJ162060

Giardia Giardia3e-Glutamate KJ018215
Giardia Giardia4e-Glutamate KJ018216
Giardia Giar114-GDHF KJ018217
Giardia Giar114e-Glutamate KJ018218
Giardia Giar116e-Glutamate KJ018219
Giardia Giar118-Glutamate KJ018220
Giardia Giar118e-Glutamate KJ018221
Giardia Giar124-Glutamate KJ018222
Giardia Giar124e-Glutamate KJ018223
Giardia Giardia1e-Glutamate KJ018224
Giardia Giardia2-Glutamate KJ018225
Giardia Giardia2e-Glutamate KJ018226
Giardia Giar116-Glutamate KJ018227
Giardia Giardia1-Glutamate KJ018228
Giardia Giardia3-Glutamate KJ018229
Giardia Giardia4-Glutamate KJ018230
Acanthamoeba spp gene submission 1 100: KR494228
Acanthamoeba spp gene submission 1 102: KR494229
Acanthamoeba spp gene submission 1 106: KR494230
Acanthamoeba spp gene submission 1 108: KR494231
Acanthamoeba spp gene submission 1 109: KR494232
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Acanthamoeba spp gene submission 1 134: KR494239
Acanthamoeba spp gene submission 1 135: KR494240
Acanthamoeba spp gene submission 1 138: KR494241
Acanthamoeba spp gene submission 1 142: KR494242

Book:

Awards:

Foreign languages proficiency:

- Persian
- English

Hobbies:

November 2015