

CURRICULUM VITAE:



I. PERSONAL INFORMATION

Surname : Ghaffarifar

First Name : Fatemeh

Gender: Female

Nationality : Iranian

Place of Birth : Abadan, Iran

Languages : Persian, English, Arabic

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II. EDUCATION RECORDS

Bachelor in Public health	Tehran University	1987-1990
MSc. in Medical Parasitology	Tarbiat Modarres University	1991 - 1994
Ph.D in Medical Parasitology	Tarbiat Modarres University	1995 - 2000

1. On-going research grants

Cloning and Expression of LACK and KMPII genes of *Leishmania major*(MHRO/IR/75/ER) in CHO cells and evaluation of immunity of inserted plasmid and IL-12 in BALB/c mice.

2. Completed research grants

Immunogenicity evaluation survival assay induced by DNA vaccine cocktail expressing rhoptry protein 2(ROP2) , surface antigen1 (SAG1), and dense granule antigens, GRA4, GRA5 and GRA7 genes of *Toxoplasma gondii* in BALB/c mice.

Replication of *Toxoplasma gondii*(RH Strain) in HeLa and Vero Cell Culture.

Expression of Rhoptry Protein 1 (ROP1) *Toxoplasma gondii* in Prokaryote System.

Evaluation of sensitivity and specificity of nucleic acid sequence-based amplification (NASBA) for diagnosis of cutaneous leishmaniasis.

3. Postgraduate students 30

4. Current postgraduate students 7

Educational Level	Title of Thesis and Dissertation
MSc	Evaluation of intestinal parasitic disease in pregnant women, and effect of parasitic infection on mothers and new- borns.
PhD	Evaluation of the role of hydatid antigenic fractions in cell mediated immunity(CMI) stimulation and cytokine production in hydatid patients.

Techniques:

I have been working with the following field and laboratory techniques:

- 1- Parasites culture
- 2-Cell culture
- 3- Blotting techniques
- 4-PCR
- 5-ELISA
- 6-Cell mediated immunity
- 7-Cytokine Assay
- 8-Cloning
- 9-Recombinant Antigen Expression
- 10-DNA vaccine in animal models
- 11-Drug assay

III. ACADEMIC EXPERIENCES

Assistant Professor	Tarbiat Modarres University	2000 – 2007
Associated Professor	Tarbiat Modarres University	2007-2013
Professor	Tarbiat Modarres University	2013-present

I was the head of Parasitology Department in the period of 2003-2006.

IV. MEMBERSHIP OF SCIENTIFIC SOCIETIES

- 1- Member of Iranian Parasitology Society.
- 2- Member of Iranian Red Crescent Society.
- 3-Member of Malaysian Society of Parasitology
- 4- PhD Thesis Examiners, Department of Parasitology, University of Veterinary & Animal Sciences, Lahore , Pakistan .
- 5- Collaborating with College of Medical and Health Technology, Department of Public Health, Baghdad, Iraq.

V. RESEARCH INTEREST

- 1- Immunoparasitology.
- 2- Molecular parasitology
- 3- Photodynamic Therapy
- 4- Treatment of parasitic infection
- 5- DNA vaccine

REFEREE OF JOURNALS

- 1-Vaccine
- 2- Expert Reviews of vaccine
- 3-Modarres Journal of Medical Sciences
- 4-Pajouhesh-va-Sazandegi
- 5-Iranian Journal of Parasitology
- 6-Yakhte
- 7-Iranian Journal of Biotechnology
- 8- Journal of Archive Razi
- 9-African Journal of Biotechnology
- 10- Indian journal of Dermatology, Venerology and Leprology

Invention:

Application of Photodynamic therapy for treatment cutaneous leishmaniasis.

Awards:

- 1) As the first prize in the category of treatment of infectious disease for work entitle: Effect of herbal drug, Peganum harmala and Alkanna tincturia on Leishmania sore in Balb/C mice. In 21st Century Bio-Award-2007 for young Scientists.
- 2) As the third prize in the category of treatment of infectious disease for work entitle: The effect of Betamethazone and IFN-gamma on replication of Toxoplasma gondii (RH strain) and nitric oxide production in HeLa cell culture. In 21st Century Bio-Award-2007 for young Scientists.
- 3) The 6th prize of Jashnvareh Razi in New Technology field. 2012.

VI. JOURNAL PAPERS

- 1- Dalimi A. and **Ghaffarifar F.** A study on Giardiasis in pregnancy. Medical Journal of the Islamic Republic of Iran. Vol 10, 1997. No 4 , P.267-269.
- 2- **Ghaffarifar F.**, Dalimi A. and Zavarani Hosseini A. A simple method for preparation of hydatid cyst B-group antigens. Modarres. Journal of Medical Sciences. 2001. 3(2):115-120 (In persian).
- 3- Dalimi A., Motamedi Gh., Hosseini M., Mohammadian B., Malaki H., Ghamari Z. and **Ghaffarifar F.** Echinococcosis / hydatidosis in western Iran. Veterinary Parasitology, 2002. 105(2): 161-171.

- 4- **Ghaffarifar F.**, Dalimi A. and Zavarani Hosseini A. Evaluation of B-group antigens for the diagnosis of human hydatidosis in ELISA. *Pajoohesh & Sazandegi* , 2000. 45: 83-85.
- 5- **Ghaffarifar F.**, Jalosian F. and Dalimi A. Evaluation of DIG-ELISA test for diagnosis of human hydatidosis. *Modarres Journal of Medical Science*. 2001. Vol 4(2) :145-155.
- 6- Solhjo K., Dalimi A. and **Ghaffarifar F.** Evaluation of DIG-ELISA for diagnosis of Toxoplasmosis in Rat. *Pajoohesh & Sazandegi* , 55: 60-64.
- 7- Dalimi A., Solhjo K. and **Ghaffarifar F.** Comparison the sensitivity of ELISA and DOG-ELISA for serodiagnosis of human Toxoplasmosis. *Scientific Journal of Hamadan University of Medical Science and Health Services*. Vol. 10(1) :25-29.
- 8- Shahbazi F., Dalimi A. and **Ghaffarifar F.** "Comparison of protoscolex hooks of hydatid cyst resolved from sheep, cow, camel and human in Esfahan". *Pajoohesh & Sazandegi* , Vol. 54: 78-81.
- 9- Fatahi A., Zavarani A., Dalimi A., Mahmoodzadeh A. **Ghaffarifar F.**, "Purification and structural characterization of the major glycoconjugate from *Leishmania major*, *Journal of Shahid Sadoughi Medical science University of Yazd*. 2003.11(2) :60-66.
- 10- **Ghaffarifar F.**, Dalimi A. and Zavarani Hosseini A. Jalosian F., Evaluation of produced antibody against hydatid cyst by immunoblotting. *Journal of Shahid Sadoughi Medical science University of Yazd*. 2004.12(2):33-37.
- 11- Tabatabaie F., **Ghaffarifar F.**, Dalimi Asl A., Ebrahimian H., Effect of herbal drug, *Peganum harmala* and *Alkanna tinctoria* on *Leishmania* sore in Balb/C mice. *Journal of Daneshvar*.
- 12- Aflaki A., **Ghaffarifar F.**, Dalimi Asl A., "Seroepidemiological survey of hydatidosis by Dot- ELISA in Ilam province" *Journal of Medical science of Modarres*.
- 13- Abdollah Poor M., **Ghaffarifar F.** , Dalimi A. and Zavarani A. Solhjoo K., Ghasemi N. S. "Effect of vitamin D3 and INF γ on proliferation of *Toxoplasma gondii* and NO production in Balb/c macrophages" *Journal of Medical science of Mazandaran University*.
- 14- Tabatabaie F., Ghaffarifar, F., Dalimi A., A study on effect of some herbal drugs on sore and progressive forms of leishmaniasis in BALB/c mice infected experimentally with *Leishmania major*. *Medical Daneshvar J*. 2005. 57:37-46.
- 15- **Ghaffarifar F.**, Jorjani O., Mirshams M., Miranbeigi M. H., Hosseini Z., "Photodynamic therapy as a new method for the treatment of cutaneous

- leishmaniasis” eastern Mediterranean Health Journal. 2006.Vol. 12, No 6 p:902-908,
- 16- Khademi R., **Ghaffarifar F.**, Dalimi A. A., “ In vitro effect of Folic acid and cobalamin (vitamin B12) on adhesion and growth of Giardia lamblia” Iranian Journal of Parasitology, Vol 1. No 1 , 2006, pp: 47-52.
 - 17- Solhjoo, K., **Ghaffari far, F.**, Dalimi, A. and Sharifi, Z. “ Enhancement of antibody immune response to a Toxoplasma gondii SAG1-encoded DNA vaccine by formulation with aluminium phosphate. Journal of Medical Sciences. Vol 7, No 3, 2007, pp: 361-367.
 - 18- Solhjoo, K., **Ghaffari far, F.**, Dalimi, A. and Sharifi, Z. Cloning and Sequencing of *Toxoplasma gondii* Major Surface Antigen (SAG1) gene. Journal of Archive Razi. (2006) Vol: 61(2), 73-79.
 - 17- Hosseinian Khosroshahi K., **Ghaffarifar F.**, Sharifi Z., Dalimi Asl A., Solhjoo K. Cloning and transformation of Toxoplasma gondii surface antigen 1 (SAG1) in E.coli (TG1 & DH5A). J. Iran University of Medical Sciences. 2006. 13(53):73-81.
 - 18- Sadraei J, Jabaraei, F **Ghaffarifar**, AH Dalimi, SM Nikbakhtzadeh Vitamin B12 and Serum Mineral Levels in Children with Enterobius vermicularis Infection, Iranian J Parasitol: Vol.2, No.1, 2007, pp. 35-38
 - 19- Jalousian Fatemeh, Dalimi Abdolhossein, Mirab Samiee Siamak, **Ghaffarifar** Fatemeh, Soleymanloo Faramarz and Naghizadeh Ramin, Application of Real-Time PCR for Detection of *pfcr1* Single Nucleotide Polymorphisms in *Plasmodium falciparum* in Southeast Iran, Journal of Medical Sciences - 2007 12-JMS-DOI.
 - 20- Askari F., **Ghaffarifar F.**, Dalimi A.A., Haghi-Ashtiani M.T., Delavari M., “Study on variation of the sera folic acid, vitamin B12 and iron level in the 6-12 years old patients infected with Giardia lamblia in South Tehran” Iran J Pediatr 2007, Vol:17(2) 149-154.
 - 21- Zare F., Dalimi-Asl A., **Ghaffarifar F.**, “ detection of active Toxoplasma gondii (RH strain) in the different body tissues of experimentally infected rats” Modares Journal of Medical Sciences 2006, Vol: 9(1) 19-23.
 - 22- Safar-Harandi M. M., Dalimi-Asl A., **Ghaffarifar F.**, “In vitro and in-vivo effects of garlic (*Allium sativum*) extract on Giardia lamblia and Giardia muri. 2006. Hakim, Vol 9(3)58-64.
 - 23- Marofi Y., Dalimi-Asl A., **Ghaffarifar F.**, Khoshzaban F., Delavari M., “ Effect of adding monosaccharides on the virulence of Acanthamoeba pathogenicity isolates from patients with amoebic keratitis in the HeLa cell culture. . Scientific Journal of Hamadan University of Medical Science and Health Services. 2007. Vol: 14(1) 17-21.

- 24- Tabatabaie F., **Ghaffarifar F.**, Dalimi Asl A., Sharifi Z., Zuhair M Hassan, "Enhancement of cellular and antibody immune responses to Leishmania major TSA-encoded DNA vaccine following immunization and after challenging with Leishmania major" *Biochem Cell Arch.* 2008 vol 8(1) pp.35-43.
- 25- Tabatabaie F., **Ghaffarifar F.**, Dalimi Asl A., Sharifi Z., Zavarani Hosseini A. "Cloning and sequencing of Leishmania major Thiol-Specific-Antioxidant Antigen (TSA) Gene" *Iranian Journal of Parasitology* Vol 2 (4) 2007 pp.29-42.
- 26- Delavari M., Dalimi Asl A., **Ghaffarifar F.**, Khoshzaban F., Maroufi Y. "A study on the effect of Propamidine isethionate and Polymixin B on Acanthamoeba isolated from patients infected with acanthamoeba keratitis in HeLa cell culture" *Daneshvar* (2007) vol 14(70) pp. 27-32.
- 27- Arshad M., Dalimi Asl A., **Ghaffarifar F.** "Comparative study on sarcocystis in meat of slaughtered sheep in Tabriz" *Pajoohesh & Sazandegi* ,(2007) vol 75 pp.68-72.
- 28- **Ghaffarifar F.**, Dalimi Asl A., Sharifi Z., Solhjoo, K., Ghasemi Nikou S., Roudbar Mohammadi Sh. "The effect of Betamethazone and IFN-gamma on replication of Toxoplasma gondii (RH strain) and nitric oxide production in HeLa cell culture. *Iranian journal of Allergy Asthma and Immunology* (2006) vol 5(2) pp. 75-78.
- 29- Edalatzadeh M, Dalimi Asl A., **Ghaffarifar F.** Sayad B., "Evaluation of Blood and liver factors in patients with fascioliasis after treatment with Triclabendazole. *Scientific Journal of Hamadan University of Medical Science and Health Services.* (2006) Vol:13(2) pp.29-35.
- 30- Mohamad nejad F., **Ghaffarifar F.**, Dalimi Asl A., "In vitro effects of Metronidazole and Albendazole on Giardia lamblia isolated from Iranian patients. *Iranian J Parasitol* (2008) Vol3(2) pp. 38-42.
- 31- Jalousian Fatemeh, Dalimi Abdolhossein, Mirab Samiee Siamak, **Ghaffarifar Fatemeh**, Soleymanloo Faramarz and Naghizadeh Ramin, Evaluation of *pfprt* Single Nucleotide Polymorphisms in *Plasmodium falciparum* in Southeast Iran. *Modares journal in Medical Sciences.* 2009. 11(3): 41-48.
- 32- Roudbar Mohammadi Sh., Zavarani Hoseini A., Khosravi A., Yadegari M.H., Shokpuh Amiri M., **Ghaffarifar F.**, "Immunologic evaluation of the effect of catalase and conidia of Aspergillus fumigatus on nitric oxide production by murine monocytes" 2007 *Kousar j.*, Vol: 12(3) p 307-312.
- 33- Jalousian Fatemeh, Abdolhossein Dalimi, Siamak Mirab Samiee, Fatemeh **Ghaffarifar**, Faramarz Soleymanloo, Ramin Naghizadeh Mutation in *pfmdr1* gene in chloroquine-resistant Plasmodium falciparum isolates, Southeast Iran. *International journal of infectious diseases.* 2008. 12(6):567-574.

- 34- Hadadian M., **Ghaffarifar** F., Dalimi Asl A., Roudbar Mohamadi Sh., “Seroepidemiological Survey of Hydatid Cyst by ELISA in Kordestan Province” *Modares journal in Medical Sciences*.2008. 10(3-4):13-18.
- 35- Jalousian Fatemeh, Dalimi Abdolhossein, Mirab Samiee Siamak, **Ghaffarifar** Fatemeh, Soleymanloo Faramarz and Naghizadeh Ramin. Application of Real-Time PCR for Detection of *pfcr* Single Nucleotide Polymorphisms in *Plasmodium falciparum* in Southeast Iran. *Journal of Medical Sciences* 7 (7): 1082-1087, 2007.
- 36- Hosseinian Khosroshahi K., F. **Ghaffarifar**, Z. Sharifi, A. Dalimi, Expression of complete rhoptry protein 2 (ROP2) gene of *Toxoplasma gondii* in eukaryotic cell. *African Journal of Biotechnology* Vol. 7 (24), pp. 4432–4436, 17 December 2008.
- 37- khoshzaban F., Ghazanfari T., **Ghaffarifar** F. Sharafi M., Ghasemi Nikoo. S., “The effect of garlic on Acute toxoplasmosis in mice” *Journal of research in medicine plants*. 2007. 23(3):295-306.
- 38- Al-Kawaz E., **Ghaffarifar** F., Evaluation of Schistosoma haematobium Adult and egg antigen by ELISA in diagnosis of urinary schistosomiasis. *Iranian Journal of Parasitology*.2009, 4(4): 55-60.
- 39- **Ghaffarifar** Fatemeh., Leishmania major: In vitro and invivo antileishmanial effect of cantharidin. *Experimental Parasitology*. 2010, 126:126-129.
- 40- Eslamirad Z., Dalimi A., **Ghaffarifar** F., Sharifi Z., Cloning rhoptry protein 1 gene of *Toxoplasma gondii*(RH) in expression vector. *Archives of Razi Institute*. 2008, 63(2): 11-17.
- 41- Tabatabaai, F., **Ghaffarifar**, F., Dalimi A., Sharifi Z. A Survey on the Effects of Leishmania Major TSA -Encoded DNA Vaccine Against Experimental Leishmaniasis in BALB/c Mice . *International Journal of Infectious Diseases*, Volume 12, Supplement 1, December 2008, 12(1): 374-375.
- 42- Yousefi R., **Ghaffarifar** F., Dalimi A. **The Effect of *Alkanna tinctoria* and *Peganum harmala* Extracts on *Leishmania major* (MRHO/IR/75/ER) in vitro.** *Iranian J Parasitol*. 4(1): 45-52.
- 43- **Ghaffarifar** F. Abdolah Poor M., Sharifi Z. , Dalimi A. Al-Kawaz E., The Effect of Vitamin D3 Alone and Mixed With IFN- γ on Tachyzoites of *Toxoplasma gondii* (RH Strain) Proliferation and Nitric Oxide (NO) Production in Infected Macrophages of BALB/C Mice. *Iranian J Parasitol: Vol. 5, No.3, 2010, pp. 48-56.*
- 44- Seyyed –Tabaei, S. J., Dalimi A., Kazemi, B., Sadraii, J., **Ghaffarifar**, F. The production of molecular clones of *Toxoplasma gondii*-drived heat shock protein 70

- kDa. International Journal of Veterinary Research. 2010. 4(1): 41-44.
- 45- Hoseinian Khosroshahi, K., **Ghaffarifar** F., D'Souza S., Sharifi, Z., Dalimi. A. Evaluation of the immune response induced by DNA vaccine cocktail expressing complete SAG1 and ROP2 genes against *Toxoplasma gondii*. 2011. *Vaccine*. 29:778-783.
- 46- Tabatabaie, F., **Ghaffarifar**, F., Dalimi A., Sharifi Z. A Survey on the Effects of Leishmania Major TSA -Encoded DNA Vaccine Against Experimental Leishmaniasis in BALB/c Mice . *International Journal of Infectious Diseases*, Volume 12, Supplement 1, December 2008, 12(1): 374-375.
- 47- **Ghaffarifar**, F., Rahmah N., Sharifi Z., Dalimi A., Roudbar Mohammadi Sh., Ghasemi, S. Cloning and sequencing of Granular antigen 7 of *Toxoplasma gondii*. . *Modarres Journal of Medical Science*. 2008. 11(3): 73-80.
- 48- Roudbar Mohammadi Sh., Khosravi A., Sasani F., Dalimi A., **Ghaffarifar**, F., Katiraii F., Banasadeh S. Evaluation of immunization and immunosuppression on Experimental sporothricosis lesions. *Pajooheh & Sazandegi*. 2007. 79:108-114.
- 49- Jorjani O., **Ghaffarifar** F., Sharifi Z., Dalimi A., Massan, Z. M., Cloning and sequencing of Leishmania homologue of receptors for activated C kinase (LACK) of Iranian strain of *Leishmania major*. *Modarres Journal of Medical Science*. 2008. 11(3): 19-30.
- 50- Khoshzaban F., **Ghaffarifar** F., Sharafi, Ghasemi S. Evaluation of Peganum harmala effect on acute toxoplasmosis in mice. *Medical Daneshvar Journal*. 2008. 75: 27-36.
- 51- Dalimi A., Shirbazou Sh., **Ghaffarifar** F., Khosroshahi K., Jorjani O., Sharifi Z., Hosseinzadeh N. Molecular diagnosis of *Trichomonas vaginalis* by using PCR for 18SrRNA. 2008. *Kousar Med. j.* 13(3): 179-183.
- 52- Norouzi R., Dalimi A., Foruzandeh M., **Ghaffarifar** F. Application of PCR-ELISA method based on RE domain for diagnosis of toxoplasmosis in experimentally infected rat (*Rattus norvegicus*). *Modarres Journal of Medical Science*. 2008. 11(1-2):99-107.
- 53- Dalimi A., Jalousian F., Tahvildari F., **Ghaffarifar** F. Identification of *Sarcocystis gigantean* by PCR-RFLP. *J. Vet. Res.* 64(5): 459-462.
- 54- Shirbazou S. Dalimi A., Foruzandeh M., **Ghaffarifar** F. Standardization of NASBA method by using 18s rRNA gene for identification of *Leishmania major* parasite. 2009. *Kousar Med. j.* 14(3):137-142.
- 55- Masbi N., **Ghaffarifar** F., Sharifi Z., Dalimi A., Gheisar H., Cloning and molecular

- characterization of *Toxoplasma gondii* granular antigen 4 gene expression in eukaryotic plasmid pcDNA3. *Medical Daneshvar Journal*. 2010. 85:1-9.
- 56- Yousefi R., **Ghaffarifar F.**, Dalimi A. The effect of *Alkanna tinctoria* and *Peganum harmala* extraction on *Leishmania major* (MRHO/IR/75/ER) *in vitro*. *Iranian Journal of Parasitology*. 2009. 4(1): 40-47.
- 57- Hoseinian Khosroshahi, K., **Ghaffarifar F.**, Sharifi, Z., D'Souza S., Dalimi. A. cloning and sequencing of complete gene ROP2 of *Toxoplasma gondii*. *Yafteh*. 2010. 89:5-15.
- 58- Masbi N., **Ghaffarifar F.**, Bahrami AM., Bastaminezhad S., Shamsi M. Evaluation of leishmanicidal effect of watery and ethanolic flowers *Calendula officinalis* extract on promastigotes of *Leishmania major* (MRHO/IR/75/ER) *in vitro*. *Scientific J. of Ilam University of Medical Sciences*. 2010. 18:29-33.
- 59- Hoseinian Khosroshahi, K., **Ghaffarifar F.**, Sharifi, Z., D'Souza S., Dalimi. A. Evaluation of immunization of ROP2 in BALB/c mice. *Modarres Journal of Medical Science*. 2010. 13(1):25-35.
- 60- Eslamirad Z., Dalimi A., Ghaffarifar F. Sharifi Z. Evaluation of two aluminum adjuvant on DNA vaccine containing ROP1 gene of *Toxoplasma gondii*. *Modarres Journal of Medical Science*. 2011. 14(1):1-5.
- 61- Saadatnia G., Zeehaida M., **Ghaffarifar F.**, Emelia O., Kazemimoghadam Z., Rahmah N. *Toxoplasma gondii* excretory secretory antigenic proteins of diagnostic potential. *APMIS* . 2011, 1-9.
- 62- Jafari-Modrek M, Ghaffarifar F, Sharifi Z, Dalimi-Asl A. Cloning and sequencing the plasmid encoding *Toxoplasma gondii* Microneme 3 protein . *Feyz, Journal of Kashan University of Medical Sciences*, 2011; 15(3): 200-206.
- 63- Sarvi Sh, Dalimi-Asl A, Ghaffarifar F, Sharifi Z. Determination and cloning of the gene encoding EG95 protein in Iranian isolate of *Echinococcus granulosus*. *Feyz, Journal of Kashan University of Medical Sciences*, 2011; 15(3): 194-199.
- 64- Ziaei Hezarjaribi H., Ghaffarifar F., Dalimi A., Sharifi Z., The survey of the effect of cytokine IL22 on the ulcer originated from L- Major in BALB/c mice. J Mazand Univ Med Sci. 2012; 22(1):285-294.**
- 65- Hoseinian Khosroshahi, K., Ghaffarifar F., Sharifi, Z., D'Souza S., Dalimi. A. Hassan Z., Khoshzaban F. Comparing the effect of IL-12 genetic adjuvant and alum**

non-genetic adjuvant on the efficiency of the cocktail DNA vaccine containing plasmids encoding SAG-1 and ROP-2 of *Toxoplasma gondii*. *Parasitol Res* (2012) 111:403–411.

- 66- Eslamirad Z., Dalimi A., Ghaffarifar F. Sharifi Z. Ghaseminikoo. **Partial immunity in murine by immunization with a toxoplasmic DNA vaccine.** *African Journal of Biotechnology*. 2012; Vol. 11(47), pp. 10632-10639.
- 67- Sarvi Sh, Dalimi-Asl A, Ghaffarifar F. **Molecular Cloning and Expression of EG95 Gene of Iranian Isolates of Echinococcus granulosus.** *Iranian J Parasitol. Vol. 6, No.2, 2012, pp.1-7.*
- 68- R Noruzi, A Dalimi, M Forouzandeh, F Ghaffarifar. **Identification of Live Toxoplasma gondii by the NASBA method in Rat.** *Modares Journal of Medical Sciences: Pathobiology* 15 (1), 73-80.
- 69- Ghaffarifar, Tabatabaiee F., Dalimi A., Sharifi Z. Hassan Z., Mahdavi M. **Cloning of a Recombinant Plasmid Encoding Thiol-Specific Antioxidant Antigen (TSA) Gene of Leishmania major and Expression in the Chinese Hamster Ovary Cell Line.** *Malays J Med Sci. Jan-Mar 2012; 19(1): 15-19.*
- 70- Saadatnia, G., Ghaffarifar, F., Khalilpour, A., Amerizadeh, A. and Rahmah, N. **A Toxoplasma gondii 10 kDa in vitro excretory secretory antigen reactive with human IgM and IgA antibodies.** *Tropical Biomedicine* 28(3): 606–614 (2011).
- 71- Arbabi M., Dalimi A., Ghaffarifar F. Forouzandeh Moghadam M. **Prevalence and Intensity of Dicrocoelium dendriticum in sheep and goats in Iran.** *Research J of Parasitology*. 2011. 6(5): 160-167.
- 72- Soflaei S., Dalimi A., Ghaffarifar F., Molecular cloning and expression of the Leishmania infantum KMP-11 gene . *Jundishapur Journal of Microbiology*. 2013: 6(2):132-137.
- 73- Kazemimoghadam Z. , Ghaffarifar F., Khalilpour A., Abdulaziz F., Saadatnia G., Noordin R. **IgG4 detection of Echinococcus granulosus paramyosin: a useful diagnostic test for human hydatidosis.** *Clin. Vaccine Immunol* 2013. 20(4): 501-505.
- 74- Poonam, Kotresha , Rahmah, Hafiznur, Saadatnia, Golkar ,Sabariah, Izzati Zahidah, Ghaffarifar. **IgG avidity Western blot using Toxoplasma gondii rGRA-7 cloned from nucleotides 39-711 for serodiagnosis of acute toxoplasmosis.** *Instituto de Medicina Tropical de Paulo*. 2013. 55(2):79-83.
- 75- Mortazavi N., Ghaffarifar, Hassan, Heydari . **In Vitro and In Vivo Studies of Antileishmanial Effect of Artemether on Leishmania infantum.** *Jundishapur journal of Microbiology*. 2013. 6(5): e6379.

- 76- Heydari, **Ghaffarifar** , Soflaie ,Dalimi. Comparison between in-vitro effects of aqueous extract of *Artemisia seiberi* and Artemisinin on *Leishmania major*. **Jundishapur Journal of Natural Pharmaceutical products. 2013. 8(2):70-5.**
- 77- Nasiri, Dalimi, **Ghaffarifar**. Use of chicken (*Gallus gallus*) serum as a costly replacement for the fetal calf serum in cultivation of promastigotes of *Leishmania infantum*. *Asian Pacific Journal of Tropical Disease.* 2013. 3(3):169-173.
- 78- Maroufi Y., **Ghaffarifar F.**, Dalimi A., Sharifi Z. The effect of Cantharidin on Apoptosis of the *Leishmania major* and parasite load in BALB/c mice. *Research Journal of Parasitology.* 2013. 8(4):1-12.
- 79- Ziaee Hezarjaribi, **Ghaffarifar**, Dalimi, Sharifi , Jorjani. Effect of IL-22 on DNA vaccine encoding LACK gene of *Leishmania major* in BALB/c mice. *Experimental Parasitology.*2013. 134:341-348.
- 80- **Ghaffarifar**, Jorjani, Sharifi , Dalimi, . Hassan, Tabatabaie, Khoshzaban, Ziaei Hezarjaribi. Enhancement of immune response induced by DNA vaccine cocktail expressing complete LACK and TSA genes against *Leishmania major*. *APMIS.* 2013. 121:190-198.
- 81- Beheshti N, Soflaeia, Shakibaieb, Yazdi, **Ghaffarifar**, Dalimi A, Shahverdi C. Efficacy of biogenic selenium nanoparticles against *Leishmania major*: In vitro and in vivo studies. *Journal of Trace Elements in Medicine and Biology.* 2012. 27:203-207.
- 82- M Mehrabi, J Sadraie, **F Ghaffarifar**. Comparative study of the effect of garlic tablet and blueberry extract on *Cryptosporidium parvum* oocysts in HANK solution. 2012. *Scientific Journal of Kurdistan University of Medical Sciences* 17 (2), 53-60.
- 83- Nasiri V, Karimi G, Dalimi A, Habibollah Paykari,1 and **Fatemeh Ghaffarifar**. Effects of Sheep and Mouse Urine on the Growth Pattern of *Leishmania major* Promastigotes. *BioMed Research Internationa.* 2013 . Article ID 748592, 6 pages.
- 84- Abdoli A., Dalimi A, Arbabi M, and **Ghaffarifar F.** Neuropsychiatric manifestations of latent toxoplasmosis on mothers and their offspring. *J Matern Fetal Neonatal Med,* 2013. Early Online: 1–7.
- 85- Ebrahimisadr P., **Fatemeh Ghaffarifar** 1,*; Zuhir Mohammad Hassan 2; Mohammad Sirousazar 3; Fatemeh Mohammadnejad Effect of Polyvinyl Alcohol (PVA) Containing Artemether in Treatment of Cutaneous Leishmaniasis Caused by *Leishmania major* in BALB/c Mice. *Jundishapur J Microbiol.* 2014 May; 7(5): e9696.

- 86- Fatemeh Tabatabaie, Mehdi Mahdavi , Sobhan Faezi, Abdolhossein Dalimi , Zohreh Sharifi , Lame Akhlaghi , **Fatemeh Ghaffarifar** , Th1 Platform Immune Responses Against *Leishmania major* Induced by Thiol-Specific Antioxidant-Based DNA Vaccines. Jundishapur J Microbiol. 2014 February; 7(2): e8974. DOI: 10.5812/jjm.8974.
- 87- Farzad Esavand Heydari 1, **Fatemeh Ghaffarifar** 1, *, Saied Soflaei 1, Abdolhosein Dalimi. Comparison Between in Vitro Effects of Aqueous Extract of Artemisia seiberi and Artemisinin on Leishmania major. Jundishapur J of natural Pharmaceutical Products. 2013;8(2); 70-5.
- 88- Zahra Eslamirad , **Fatemeh Ghaffarifar** 3, Mana Shojapour 4, Behzad Khansarinejad 5, Javid Sadraei 3. A preliminary Study: Expression of Rhoptry Protein 1 (ROP1) Toxoplasma gondii in Prokaryote System. Jundishapur Journal of Microbiology. 2013 Aug; 6(6): e10089. DOI: 10.5812/jjm.10089.
- 89- Parisa Ebrahimisadr, **Fatemeh Ghaffarifar** ; Zuhir Mohammad Hassan , Mohammad Sirousazar , Fatemeh Mohammadnejad. Effect of Polyvinyl Alcohol (PVA) Containing Artemether in Treatment of Cutaneous Leishmaniasis Caused by *Leishmania major* in BALB/c Mice. Jundishapur J Microbiol. 2014 May; 7(5): e9696.
- 90- Ziaee Hezarjaribi, **Ghaffarifar**, Dalimi, Sharifi , Jorjani. Effect of interleukin-22 on immunogenicity of DNA vaccine encoding TSA gene of Leishmania major in BALB/c mice. J Mazand Univ Med Sci. 2014; 7(5):25-36.
- 91- Maroufi Y., **Ghaffarifar F.**, Dalimi A., Sharifi Z. Interferon-Gamma and Interlukin-4 Patterns in BALB/c Mice Suffering From Cutaneous Leishmaniasis Treated With Cantharidin. Jundishapur J Microbiol. 2014 June; 7(6): e10907.
- 92- Khoshzaban F., **Ghaffarifar F.**, Jamshidi HR. *Peganum harmala* Aqueous and Ethanol Extracts Effects on Lesions Caused by *Leishmania major* (MRHO/IR/75/ER) in BALB/c Mice. Jundishapur J Microbiol. 2014 July; 7(7): e10992.
- 93- Tabatabaie F.; Mahdavi M.; Faezi S.; **Dalimi A.**; Sharifi Z.; Akhlaghi L.; Ghaffarifar F (2014). Th1 Platform Immune Responses Against Leishmania major Induced by Thiol-Specific Antioxidant-Based DNA Vaccines. Jundishapur J Microbiol. 2014 February; 7(2): e8974.
- 94- F Ghaffarifar, R Naserifar, M Jafari Madrak. Eukaryotic Plasmids with Toxoplasma gondii Dense Granule Antigen (GRA 5) and Microneme 3 (MIC3) Genes as a Cocktail DNA Vaccine and Evaluation of Immune Responses in BALB/C Mice. (2014) J Clin Med Genom 3 (121), 2.
- 95- Delavari M., **Dalimi A.**, Ghaffarifar F., Sadraei J. (2014). In Vitro Study on Cytotoxic Effects of ZnO Nanoparticles on Promastigote and Amastigote Forms of Leishmania major (MRHO/IR/75/ER). Iranian Journal of Parasitology 2014. 9 (1): 6-13.
- 96- **Dalimi, A.**, Sabzevarinejad, Gh., Ghafarifar, F., Forouzandeh-Moghadam, M.(2014). Molecular detection of Neospora caninum from naturally infected dogs in Lorestan province, West Iran . Archives of Razi Institute, 69(2): 185-190.

- 97- Nasiri V, Mobedi I, **Dalimi A**, Zare Mirakabadi A, Ghaffarifar F, Teymurzadeh Sh, Karimi Gh, Abdoli A, Paykari H. (2014). A Description of Parasites from Iranian Snakes . *Experimental Parasitology* 147: 7-15.
- 98- Ziaei Hezarjaribi H., Ghaffarifar F., **Dalimi A**, Sharifi Z. (2014). Evaluation of protective effect of IL-22 and IL-12 on cutaneous leishmaniasis in BALB/c mice. *Asian Pacific Journal of Tropical Medicine*, 412-420.
- 99- H Vazini, F Ghaffarifar, Z Sharifi, A Dalimi-Asl. Characterization and expression of GRA7 gene of *Toxoplasma gondii* RH strain in eukaryotic pcDNA3 plasmid. *KAUMS Journal (FEYZ)* 17 (1), 8-13.
- 100- **Dalimi A.**, Delavari M., Sadraei J. and Ghaffarifar F. (2015). In vitro and in vivo antileishmanial effects of Aloe-emodin on *Leishmania major*. *Journal of Traditional and Complementary Medicine*, 5 : 96-99.
- 101- Abdoli A, **Dalimi A**, Soltanghorae H., and Ghaffarifar F (2015). Molecular frequency of *Toxoplasma gondii* in house sparrow (*Passer domesticus*) by loop-mediated isothermal amplification (LAMP) in Tehran, Iran. *Journal of Parasitic Diseases* (Accepted).
- 102- Ebrahimisadr, P., Ghaffarifar, F., Hassan, Z.M. In-vitro evaluation of antileishmanial activity and toxicity of artemether with focus on its apoptotic effect. *Iranian Journal of Pharmaceutical Research*. 2013; 12(4):903-909.
- 103- Mohammadnejad, F., Ghaffarifar, F., Dalimi, A., Hassan, Z.M. The development of new treatment options for echinococcosis. 2015. *Reviews in Medical Microbiology*. 26(4):154-162.
- 104- Dalimi, A., Delavari, M., Ghaffarifar, F., Sadraei, J. In vitro and in vivo antileishmanial effects of aloe-emodin on *Leishmania major* . *Journal of Traditional and Complementary Medicine*. 2015. 5(2):92-96.
- 105- **Ghaffarifar, F.** Strategies of DNA vaccines against toxoplasmosis. *Reviews in Medical Microbiology*. 2015; 26(3):88-90.
- 106- Mohammadnejad, F., Ghaffarifar, F., Mobedi, I. HIV and parasite co-infection epidemiology: A scope since 2005. *Reviews in Medical Microbiology*. 2015; 26(1):20-25.
- 107- Ghaffarifar, F., Esavand Heydari, F., Dalimi, A., Delavari, M., Mikaeiloo, H. Evaluation of apoptotic and antileishmanial activities of artemisinin on promastigotes and BALB/C mice infected with *Leishmania major*. *Iranian Journal of Parasitology*. 2015; 10(2): 258-267.
- 108- Naserifar, R., Ghaffarifar, F., Dalimi, A., Solhjoo, K., Hosseinian Khosroshahi, K.. Evaluation of immunogenicity of cocktail DNA vaccine containing plasmids encoding complete GRA5, SAG1, and ROP2 antigens of *Toxoplasma gondii* in BALB/C mice. *Iranian Journal of Parasitology*. 2015. 10(4):590-598.
- 109- Hezarjaribi, H.Z., Elmi, T., Dayer, M.S., Akbariqomi, M., **Ghaffarifar, F.** A systematic review of the effects of Iranian pharmaceutical plant extracts on *Giardia lamblia*. *Asian Pacific Journal of Tropical Disease*. 2015; 5(12):925-929.
- 110- Mohammadnejad, F., **Ghaffarifar, F.**, Dalimi, A., Hassan, Z.M. In vitro effects of artemether, artemisinin, albendazole, and their combinations on *Echinococcus granulosus* protoscoleces. *Jundishapur Journal of Natural Pharmaceutical Products* . 2016. 11(1):e30565.
- 111- Ziaei Hezarjaribi, H., Hafezi, N., **Ghaffarifar, F.** Potential mechanism of IL-22 on microbial agents and cutaneous wound healing. *Reviews in Medical Microbiology*. 2016; Article in Press.

- 112- Mikaeiloo, H., **Ghaffarifar, F.**, Dalimi, A., Sharifi, Z., Hassan, Z.M. Apoptotic activity and anti-Toxoplasma effects of artemether on the tachyzoites and experimental infected Vero and J774 cell lines by *Toxoplasma gondii* . Indian Journal of Pharmacology. 2016; 48(2):179-185.
- 113- Maspi, N., **Ghaffarifar, F.**, Sharifi, Z., Dalimi, A. Codelivery of DNA vaccination encoding LeIF gene and IL-12 increases protection against *Leishmania major* infection in BALB/c mice . Parasite Immunology . 2016; 38(4)224-235.
- 114- Nasiri V, A Dalimi, **F Ghaffarifar**, A Bolhassani. Immunogenicity and Efficacy of Live *L. tarentolae* Expressing KMP11-NTGP96-GFP Fusion as a Vaccine Candidate against Experimental Visceral Leishmaniasis Caused by *L. infantum*. 2016; Iranian Journal of Parasitology 11 (2), 144.
- 115- Nasiri V, A Dalimi, **F Ghaffarifar**. LB broth-lyophilized Rabbit serum (LLR) as a new and suitable culture medium for cultivation of promastigotes of *Leishmania major*. 2016, Journal of Parasitic Diseases, 1-5.
- 116- Maspi, N., **Ghaffarifar, F.**, Sharifi, Z., Dalimi, A. Cloning and constructing a plasmid encoding *Leishmania* Eukaryotic initiation factor gene of *Leishmania major* fused with green fluorescent protein gene as a vaccine candidate. 2014. West Indian Med J. DOI: 10.7727/wimj.2014.201.
- 117- Shamsi M., Dalimi, A., Khosravi A., **Ghaffarifar, F.** The phylogenetic similarity of hydatid cyst isolated from humans and sheep in Ilam province southwest of Iran. 2016. Comp Clin Pathol. DOI: 10.1007/s00580-016-2332-z.
- 118- Maspi, N., Abdoli A., **Ghaffarifar, F.** Pro and Anti-inflammatory cytokines in cutaneous leishmaniasis: a review. 2016, Pathogens and Global Health. DOI:dx.doi.org/10.1080/20477724.2016.1232042.

VII. LIST OF PAPERS REPRESENTED IN THE NATIONAL AND INTERNATIONAL CONGRESS & SEMINAR

1-**Ghaffarifar F.** and Dalimi A. (1994): Helminthic infection in pregnant women in Tehran. 8th International Congress of Parasitology. 10-14 Oct. 1994, Izmir, Turkey, Abst. Book P.165.

2) **Ghaffarifar F.** , Dalimi A. and Zavarani A. (2001): Measurement of IFN- gamma and

IL-4 production by peripheral blood mononuclear cells and sera of hydatid patients. XX International Congress of Hydatidology, 4-8 June 2001, Kusadasi, Turkey.

3) Dalimi A., **Ghaffarifar F.** and Jalosian F.(2001): Comparison of three ELISA techniques for the serodiagnosis of cystic hydatid disease. XX International Congress of Hydatidology, 4-8 June 2001, Kusadasi, Turkey.

4) **Ghaffarifar F.** , Dalimi A.Tabatabaie F. "A study on Effect Herbal Drugs (Alkanna tinctoria & Peganum harmala) on Sore of **Leishmaniasis**". 1st Asian congress of Parasitology and Tropical Medicine , Kuala Lumpur. 2004.

5)Ghaffarifar F., Sharifi Z., Dalimi A., Ghasemi S., Solhjoo K., "Betamethasone change the growth *Toxoplasma gondii* in Hela cell culture" **12th International congress of Immunology. Canada Montreal. July 2004.**

6)Solhjoo. K., Ghaffarifar F., Sharifi Z., Dalimi A., Ghasemi S., "Toxoplasma in vero cell culture prepare adequate antigen for serological tests" **12th International congress of Immunology. Canada Montreal. July 2004.**

7)Ghaffarifar F., Jorjani O., Mirshams M., Miranbeigi M. H., Hosseini Z.," Photodynamic therapy as a safe method for treat ment of cutaneous leishmaniasis". **IX European Multicolloquium of Parasitology. Spain, Valencia, July 2004.**

8)Ghasemi S., Ghaffarifar F., Dalimi A., Tabatabaie F., "Comparison between chemical drugs and plant for treatment of cutaneous leishmaniasis" **IX European Multicolloquium of Parasitology. Spain, Valencia, July 2004.**

9) Mohammadi S., Zavarani A., Khosravi , Ghaffarifar F., "To evaluation effect of physicochemical factors such as strain" Arab congress of clinical biology, Tunisia, May 2004.

10)Tabatabaie F.,Ghaffarifar F., Dalimi A., "A study on effect of plant compound contain *Nigella sativa* and *Ferulla assa feotida* on sore and progressive recovery of Leishmaniasis in Balb/C mice infected with *L.major*" International congress of Dermatology. Tehran, Iran. September, 2004.

11) Ghaffarifar F., Khademi R., Dalimi A., Folic acid can increase the excystation but decrease the growth rate of *Giardia intestinalis* in vitro" **Giardia /Crypto conference** Holand, Amesterdam. Aug 2004.

12) Aflaki A., Ghaffarifar F., Dalimi A., "Seroepidemiological survey on human hydatid In the west Iran" **XXIth international congress of hydatidology. Kenya Nairobi. Aug 2004.**

13)Ghaffarifar F., Abdollahpoor M., Dalimi A., Zavarani A.,, Solhjoo K., Khoshzaban F., " An in vivo study for evaluating the long term and short term effect of injected vitamin D3 in Balb/c on proliferation of *Toxoplasma gondii* and

NO production in macrophages” 12th International congress of protozoology. China Guanzu., Aug 2005.09.06.

14) Abdollahpoor M. Ghaffarifar F., Dalimi A., Zavarani A.,” An in vitro study for evaluation the effect of vitamin D3 and INF γ on proliferation of *Toxoplasma gondii* and NO production in infected macrophages “12th International congress of protozoology. China Guanzu., Aug 2005.09.06.

15) **Ghaffarifar F.**, Dalimi A. & Zavarani A. (2001): Cellular immunity in human hydatidosis. 3rd National congress of Medical Parasitology . Sari, I.R. Iran. P: 57.

16) Kavous Solhjoo, ., Dalimi A. & **Ghaffarifar F.** (2001): Evaluation of DIG-ELISA test in serodiagnosis of experimental Toxoplasmosis in Rats. 3rd National congress of Medical Parasitology . Sari, I.R. Iran. P: 169.

17) ., Dalimi A. & **Ghaffarifar F.** & Jalosian F., . (2001): Evaluation of DIG-ELISA test in serodiagnosis of human hydatidosis . 3rd National congress of Medical Parasitology . Sari, I.R. Iran. P: 313.

18) & Jalosian F., **Ghaffarifar F.**, & Dalimi A., (2002): Study of Immunodiagnosis Techniques for hydatidosis and comparison These techniques for Diagnostic Human Hydatidosis . First congress of Gastroenterology & Liver Diseases.

19) **Ghaffarifar F.**, Jalosian F., Dalimi A., Soroush A, Ghasemi S., " Stimating the economic effect of human cystic echinococcosis (C.E.) based on patients recorded in Shariaty Hospital in Tehran ". 4th National Iranian congress of Parasitology & Parasitic diseases. October 13-16 2003,p: 33, Mashhad, Iran .

20) Fattahi A., Zavarani A., Dalimi A., Mahmoodzadeh A., **Ghaffarifar F.**, : " Purification of main Metaloprotease of *Leishmania* surface Glycoprotein 63 kD (GP63) from logarithmic leptomonades *Leishmania (L) major* (MRHO/IR/75/ER)". 4th National Iranian congress of Parasitology & Parasitic diseases. October 13-16 2003,p:190, Mashhad, Iran .

21) Tabatabaie F., **Ghaffarifar F.**, Dalimi A., "Comparison of cure effects of chemical and herbal drugs on *Leishmaniasis* in Balb/c mice infected experimentally with L.L. Major.)". 4th National Iranian congress of Parasitology & Parasitic diseases. October 13-16 2003,p:204, Mashhad, Iran .

22) ., Dalimi A., Ghavifekr M., **Ghaffarifar F.**, Ghasemi S., " Intestinal parasitic infection in pupils of two elementary schools in Tehran" . 4th National Iranian congress of Parasitology & Parasitic diseases. October 13-16 2003,p:10, Mashhad, Iran .

23) Dalimi A. & **Ghaffarifar F.** Zavaran A., "Relationship between IL4 and a decrease in human hydatidosis. 10th Iranian congress on infectious disease and Tropical Medicine. 5-9 Jan 2002. Tehran Iran.

24) Aflaki A., **Ghaffarifar F.**, Dalimi A., " Seroepidemiological survey on human hydatidosis in Ilam province. 1st National congress of Epidemiology and health services 24-26 Dec 2002. Bushehr, Iran.

25) Dalimi A. & **Ghaffarifar F.** Zavaran A. " Detection of antibodies against hydatid antigen by immunoblot method" . 4th National congress of zoonoses in Iran. 22-24 April, 2000.

12) Zavaran A., ., **Ghaffarifar F.**, Dalimi A., Fattahi B. A., " Purification of main Glycoconjugate of **Leishmania** , Lipophosphoglycan (LPG) from logarithmic form Leptomonad *Leishmania L. major*. The congress of updates on cutaneous Leishmaniasis & Dermatology. 24-25 April, p:36 , 2003-Isfahan.

26) Tabatabaie F., **Ghaffarifar F.**, Dalimi A. "A study of effect of Herbal Alkaloid extraction ointment in treatment of **Leishmaniosis** in Balb/c mice" . The congress of updates on cutaneous Leishmaniasis & Dermatology. 24-25 April, p:105 , 2003-Isfahan.

27) ., Fattahi B. A., Zavaran A., Dalimi A., ., **Ghaffarifar F.**, "Evaluation of cellular immunity against LPG and GP63 molecules purified from *Leishmania L. major* in healing and nonhealing patients with cutaneous **leishmaniasis**". The 12th Iranian congress on infectious diseases and tropical medicine , 17-21 Jan, 2004, p:27.

28) Delavari M., Maroufi Y., Dalimi A., Ghaffarifar F., Khoshzaban., "Isolation and identification of *Acanthamoeba* from the soil" 4th National Biotechnology congress, 15-17 August 2005, Kerman , Iran. P: 300

29) Sharifi Z., Yakhchali M., Shams Shahrabadi., Ghaffarifar F., " Expression and purification of human Rubeola virus glycoprotein and evaluation of its immunity in vitro and in vivo" 4th National Biotechnology congress, 15-17 August 2005, Kerman , Iran. P: 315

30) Fatemeh Ghaffarifar , Abdollah Poor M., Dalimi A. , Zavaran A. Solhjoo K., Sharifi Z., Ghasemi S." Comparison between in vivo and in vitro effect of vitamin D3 on proliferation of *Toxoplasma gondii* and NO production in macrophages" 5th National Iranian Congress of Parasitology. 15-17 Nov 2005. Shahid Beheshti University, Tehran , Iran, P:293.

31) Rayhaneh Khademi, Fatemeh Ghaffarifar , Hossein Dalimi Asl, Javid Sadraei , Shahla R. Mohammadi, "Effect of Cobalamin on adhesion and growth of *Giardia lamblia* in vitro" 5th National Iranian Congress of Parasitology. Shahid Beheshti University, Tehran , Iran, 15-17 Nov 2005. P:322.

32) Hoseinian Khosroshahi K., Ghaffarifar F., Dalimi A., Sharifi Z., Solhjoo K., Ghasemi S., "Evaluation of DH5a and TG1 sensitivity for maintenance of SAG1 gene of *Toxoplasma gondii* cloned in pTZ57R" 5th National Iranian Congress of Parasitology. Shahid Beheshti University, Tehran, Iran, 15-17 Nov 2005. P:318-319.

33) Solhjoo K Ghaffarifar F., , Sharifi Z., Dalimi A., Hoseinian Khosroshi K., Ghasemi S., PCR and cloning of SAG1 gene of *Toxoplasma gondii* in *E.coli*. 5th National Iranian Congress of Parasitology. Shahid Beheshti University, Tehran, Iran, 15-17 Nov 2005.P:86-87.

34) Haddadian M., Ghaffarifar F., Dalimi A., Sadraie J., Ghasemi S., Khoshzaban F., "Evaluation of human hydatidosis in Kordestan province from 2000 to 2004" 5th National Iranian Congress of Parasitology. Shahid Beheshti University, Tehran, Iran, 15-17 Nov 2005.P:528.

35) Abdolapoor M., Ghaffarifar F., Dalimi A., Sadraie J., Ghasemi S., Khoshzaban F., "Evaluation of intestinal parasitic disease in Tonekabon from 1999 to 2005" 5th National Iranian Congress of Parasitology. Shahid Beheshti University, Tehran, Iran, 15-17 Nov 2005.P:284.

36) Ogholniaz Jorjani, Fatemeh Ghaffarifar, Mostafa Mirshams, Hossein Dalimi, "Photodynamic therapy as a new method for the treatment of cutaneous leishmaniasis" 5th National Iranian Congress of Parasitology. Shahid Beheshti University, Tehran, Iran, 15-17 Nov 2005.P:301.

37) Delavari M., Marufi Y., Dalimi A., Ghaffarifar F., Khoshzaba F., "Isolation of pathogenic *Acanthamoeba* from soil and culture of this isolate in HeLa cell culture. 5th National Iranian Congress of Parasitology. Shahid Beheshti University, Tehran, Iran, 15-17 Nov 2005. P: 110

38) Tabatabaie F., Ghaffarifar F., Dalimi A., Ghasemi s., "Comparison between Plant drugs (*Nigella sativa* and *Ferula assa feotida* on cutaneous leishmaniasis (ER/75/MRHO/IR) in Bulb/C mice. 5th National Iranian Congress of Parasitology. Shahid Beheshti University, Tehran, Iran, 15-17 Nov 2005. P:356.

39) Khoshzaban F., Dalimi A., Jabarvand M., Ghaffarifar F., Rezaian M., "Evaluation of effective factors in *Acanthamoeba keratitis* in Tehran" 5th National Iranian Congress of Parasitology. Shahid Beheshti University, Tehran, Iran, 15-17 Nov 2005. P:66.

40) Vazini H., Ghaffarifar F., Tabatabaie F., Askari F., "Evaluation of Chemical factors (Keratinin, Na, K, AST, ALT, ALK, BIL, PT, and PTT) in 85 patients with hydatidosis". 5th National Iranian Congress of Parasitology. Shahid Beheshti University, Tehran, Iran, 15-17 Nov 2005. P:46.

- 41) Sadraie J., Baveja Y., Dalimi A., Ghaffarifar F., "Comparison between ELISA and acid fast staining for cryptosporidium diagnosis in feces specimen of HIV positive patients." 5th National Iranian Congress of Parasitology. Shahid Beheshti University, Tehran , Iran, 15-17 Nov 2005. P:376.
- 42) Arshad M., Dalimi A., Ghaffarifar F., Sadraie J., "Prevalence of sarcocystis in slaughtered domestics in Tabriz by digesting method." 5th National Iranian Congress of Parasitology. Shahid Beheshti University, Tehran , Iran, 15-17 Nov 2005. P:368.
- 43) Safar Harandi M., Dalimi A., Ghaffarifar F., "Evaluation of Garlic extraction effect on Giardia lamblia and G.murisin vivo and in vitro." 5th National Iranian Congress of Parasitology. Shahid Beheshti University, Tehran , Iran, 15-17 Nov 2005. P:361.
- 44) Jalusian F., Dalimi A., Smiei S., Naghizadeh R., Ghaffarifar F., "Determine of sensitive and resistant to Chloroquine clones of Plasmodium falciparum by Real Time PCR". 5th National Iranian Congress of Parasitology. Shahid Beheshti University, Tehran , Iran, 15-17 Nov 2005. P:103.
- 45) Dalimi A., Edalatzadeh E., Ghaffarifar F., : Fascioliasis in Gilan and study of efficacy and side effect of Trichelabebdazole in Fascioliasis treatment". 5th National Iranian Congress of Parasitology. Shahid Beheshti University, Tehran , Iran, 15-17 Nov 2005. P:52.

Ghaffarifar, Fatemeh in ICOPA XI Glasgow Scotland UK 6-11 August 2006.

- 46) **Ghaffarifar, Fatemeh** Clinical Feature of Human Fascioliasis Before and after Treatment with Triclabendazole in the North of Iran (Guilan Province) **ICOPA XI Glasgow Scotland UK 6-11 August 2006.**
- 47) **Ghaffarifar, Fatemeh** Cloning and Storing of *Toxoplasma gondii* Surface Antigen 1 (Sag1)DNA ;The Main Candidate for DNA Vaccine; in E.Coli (Tg1 & Dh5 α) **ICOPA XI Glasgow Scotland UK 6-11 August 2006.**
- 48) **Ghaffarifar, Fatemeh** A Study on Sarcocystis Infection in Meat of Animals in Tabriz Slaughter House using Peptic Digestion and Muscle Squash Methods **ICOPA XI Glasgow Scotland UK 6-11 August 2006.**
- 49) **Ghaffarifar, Fatemeh** Effect of Adding Monosaccharides on the Virulence of Acanthamoeba Pathogenicity; Isolated from Patient with Amoebic Keratitis in the Hela Cell Culture **ICOPA XI Glasgow Scotland UK 6-11 August 2006.**
- 50) **Ghaffarifar, Fatemeh** Evaluation the Effect of *Alkanna tinctoria* & *Peganum harmala* Extracts on Promastigotes and BALB/C Macrophages Infected by Amastigotes of *Leishmania major* (MRHO/LR/75/ER) in Vitro **ICOPA XI Glasgow Scotland UK 6-11 August 2006.**
- 51) **Ghaffarifar, Fatemeh** Cloning and Sequencing of *Toxoplasma gondii* Major Surface Antigen (Sag1) Gene **ICOPA XI Glasgow Scotland UK 6-11 August 2006.**
- 52) Detection of pfmdr1-pfprt Single Nucleotide Polymorphisms in *Plasmodium falciparum* Chloroquine Resistance in Iran using Real-Time PCR **ICOPA XI Glasgow Scotland UK**

6-11 August 2006.

53) **Ghaffarifar, Fatemeh** A Study on the Effect of Propamidine Isethionate and Neosporine on Acanthamoeba Isolated from Patients Infected with Acanthamoeba Keratitis in Hela Cell Culture **ICOPA XI Glasgow Scotland UK 6-11 August 2006.**

54) **Ghaffarifar, Fatemeh** Giardia Lamblia Drug Susceptibility to Albendazole, Metronidazole and their Equal Combination **ICOPA XI Glasgow Scotland UK 6-11 August 2006.**

55) **Ghaffarifar, Fatemeh** Photodynamic Therapy as a new Method for the Treatment of Cutaneous Leishmaniasis . **ICOPA XI Glasgow Scotland UK 6-11 August 2006.**

56) **Ghaffarifar, Fatemeh** Cloning and Storing of *Toxoplasma gondii* Granule Antigen 4 (GRA4) **ICOPA XI Glasgow Scotland UK 6-11 August 2006.**

57) **Ghaffarifar, Fatemeh** Prevalence of Malaria According the Seasons in Varamin City in Iran for One Year (2004) **ICOPA XI Glasgow Scotland UK 6-11 August 2006.**

58) **Ghaffari Far F.,** 1Tabatabaie, F, 1Dalimi, A. and Sharifi, Z. 1Ghasemi S. **TSA gene cloned in eukaryotic expression vector could stimulated immune system in mice. 5th Annual Meeting African Society of Human Genetics . November 3-5, 2007Cairo, Egypt. p:55.**

59) Tabatabaie F. , Ghaffarifar. Evaluation chemical drugs on sore and progressive recovery of leishmaniasis in BALB/c mice infected with Leishmania major. The first Iranian congress of clinical microbiology . 8-10 May 2007. P:96.

60) Sharifi Z., Mahmoudian M., Ghaffarifar F., Ranjbar F. Hepatitis C virus infection and its genotypes in blood donors in Iran. Journal compilation . 200. 96(1):94.

61) Ebrahimisadr P., Ghaffarifar F., Hassan ZM., Nouri Sh. Evaluation of Artemether in induce apoptosis in promastigotes of Leishmania major. 3rd congress of Laboratory and Clinical Pediatrics, 1-3 December 2010, Tehran , Iran. P: 61.

62) Ebrahimisadr P., Ghaffarifar F., Hassan ZM., Sirousazar M. Evaluation of PVA polymer contain artemether on treatment of cutaneous leishmania lesions in BALB/c mice. 3rd congress of Laboratory and Clinical Pediatrics, 1-3 December 2010, Tehran , Iran. P: 62.

63) **Ghaffarifar F.,** Tabatabaie F, Jorjani O. Sharifi Z., Dalimi A., Expression of recombinant plasmids containing LACK and RSA genes of Leishmania major in eukaryotic cells. British society of parasitology , spring meeting and trypanosomiasis and leishmaniasis seminar. Cardiff University, Wales, UK, March 29th 2010.

64) Shirbazou Sh, Dalimi A., Ghaffarifar F. Forouzandeh M. **Standardisation of NASBA method by using 18S rRNA gene for identification of Leishmania major parasite.** British society of parasitology , spring meeting and trypanosomiasis and leishmaniasis seminar. Cardiff University, Wales, UK, March 29th 2010.

65) Fathi M., Sadraei J., Ghaffarifar F., Evaluation and comparison of two anticoccidial drug on *Cryptosporidium parvum*. First congress of veterinary laboratory sciences. December 1-2, Tehran, Iran. P: 171.

66) Jorjani O **Ghaffarifar F.**, Sharifi Z., Dalimi A., Hassan Z. M. Cloning and characterization of LACK gene in pcDNA3 transformed in *E. coli*(TG1). 10th Iranian congress of virology and 1st congress of Vaccine. Rai vaccine and serum research institute. May 2009. Karaj Iran.

67) **Ghaffarifar F.**, Tabatabaie F, Jorjani O. Sharifi Z., Dalimi A., Sadraie, J. Ghasemi S. TSA gene of *Leishmania major* cloned in eukaryotic expression vector could stimulated immune system in mice. 12th International congress of bacteriology and applied microbiology. 5-9 August 2008. Istanbul Turkey. P:355.

68) **Ghaffarifar F.**, Sharifi Z., Dalimi A., Sadraie, J. Ghasemi S. Betamethazone can reactive toxoplasmosis in blood and the infection is detectable by using ELISA and PCR. Regional Congress Eastern Mediteranean and Europe. March 21-25, 2009. Cyro, Egypt. P:101.

69) **Ghaffarifar F.**, Jorjani O. Mirshams M., Photodynamic therapy as a new method for the treatment of cutaneous leishmaniasis. Ehrlich 2nd world conference on magic bullets. Nurnberg, Germany, October 3-5, 2008. P: A-103.

70) Hosseinian-Khosroshahi K. **Ghaffarifar F.**, D'Souza S., Sharifi Z., Dalimi A., Protective effect of DNA vaccine cocktail including plasmids encoding *Toxoplasma gondii* major surface antigen 1 and complete Rhoptry 2 against lethal toxoplasmosis in BALB/c mice. 20th European congress of clinical microbiology and infectious disease. Vienna, Austria, 10-13 April 2010.

71) Eslamirad Z., Dalimi A., **Ghaffarifar F.**, Sharifi Z., Zavarani A. Comparison of two Aluminium adjuvant in associated with a *Toxoplasma gondii* DNA vaccine with ROP1 gene in BALB/c mice. Seventh national and the second regional congress of Parasitology disease in Iran. Tehran Iran. 19-21 October 2010. P: 12.

72) Gasemi S, Khademi R., **Ghaffarifar F.**, Dalimi A. Effect of Cobalamin on adhesion and growth of *Giardia lamblia* in-vitro. Seventh national and the second regional congress of Parasitology disease in Iran. Tehran Iran. 19-21 October 2010. P: 16.

73) Hosseinian Khosroshahi K., **Ghaffarifar F.**, D'Souza S., Sharifi Z., Dalimi A. Evaluation of immunization of BALB/c mice by plasmid encoding complete ROP2 gene of *Toxoplasma gondii*. Seventh national and the second regional congress of Parasitology disease in Iran. Tehran Iran. 19-21 October 2010. P: 17.

74) Tahvildar Biderouni F., Dalimi A., Kazemi B., **Ghaffarifar F. Molecular detection of human and sheep cryptosporidium using a fragment of HSP70 gene.** Seventh

national and the second regional congress of Parasitology disease in Iran. Tehran Iran. 19-21 October 2010. P: 37.

75) Jorjani O **Ghaffarifar F.**, . Sharifi Z., Dalimi A., Hassan Z. M. Survey of mortality BALB/c mice immunized with pc-TSA and pc-LACK recombinant plasmids after challenge with *Leishmania major* MRHO/ IR/ 75/ER. Seventh national and the second regional congress of Parasitology disease in Iran. Tehran Iran. 19-21 October 2010. P: 54.

76) Sarvi Sh., Dalimi A., **Ghaffarifar F.**, Sharifi Z., Evaluation of gene encoding EG95 protein in Iranian strain of *Echinococcus granulosus*. Seventh national and the second regional congress of Parasitology disease in Iran. Tehran Iran. 19-21 October 2010. P: 96.

77) Al-Kawaz IM., Mhisen FT., Al-Bashir NM., Ghaffarifar F. Characterization of adult worm and egg antigens of *Schistosoma haematobium* using western blood method. . Seventh national and the second regional congress of Parasitology disease in Iran. Tehran Iran. 19-21 October 2010. P:119.

78) Eslamirad Z., Dalimi A., Ghaffarifar F., Sharifi Z., Zavarani A. INDUCTION OF PROTECTIVE IMMUNITY AGAINST TOXOPLASMOSIS IN MICE BY IMMUNIZATION WITH A PLASMID ENCODING *ROP1* GENE OF *TOXOPLASMA GONDII*. XIIth International Congress of Parasitology. Melbourne, Australia. 2010.

79) Ghaffarifar F. CANTHARIDIN BLISTERS: A TECHNIQUE FOR TREATMENT OF CUTANEOUS LEISHMANIASIS. XIIth International Congress of Parasitology. Melbourne, Australia. 2010.

80) Hosseini-Khosroshahi K. Ghaffarifar F., D'Souza S., EVALUATION OF IMMUNIZATION OF BALB/C MICE BY PLASMID ENCODING COMPLETE *ROP2* GENE OF *TOXOPLASMA GONDII*. XIIth International Congress of Parasitology. Melbourne, Australia. 2010.

81) Hosseini-Khosroshahi K D'Souza S., Sharifi Z., Ghaffarifar F., Dalimi A., . Protective effect of plasmid encoding complete Rho2 (ROP2) in comparison with plasmid encoding SAG1 of *Toxoplasma gondii* against lethal toxoplasmosis in BALB/c mice *abs#1227*. XIIth International Congress of Parasitology. Melbourne, Australia. 2010.

82) **F. Tahvildar Biderouni¹, A. Dalimi², B. Kazemi³, F. Ghaffari Far².**
MOLECULAR DETECTION OF *CRYPTOSPORIDIUM SP* IN HUMAN AND CATTLE FECES USING HSP 70 GENE. XIIth International Congress of Parasitology. Melbourne, Australia. 2010.

IX. TEACHING EXPERIENCE

I have been engaged in teaching Medical Helminthology , Immunoparasitology, Parasitic culture media ,and training in Helminthology and Protozoology for MSc course.

Application of Immunology and serology in parasitology, Taxonomy of parasites and advance helminthology for Ph.D course.