



# Pasteur Institute of Iran

## Department of Medical Parasitology

### Curriculum Vitae (C.V.)

**Mehdi Assmar, Ph.D.**

Pasteur Institute of Iran  
Department of Parasitology  
Pasteur Ave.  
Tehran, Iran

**Tel:** 6968855 , 6953311-20

**Fax:** 646-5132 Tlx: 214265



**Date of Birth:** August 24, 1943

**Marital status:** Married, two children

### Academic and Professional Appointments

#### Professor

1993- 1997 Deputy of Research and development Pasteur institute of Iran

1981- Present Head of Parasitology Department Pasteur institute of Iran

Deputy of Education Pasteur institute of  
Iran

1982-1991 Deputy of Research and Development.  
Deputy of Education

1979-1987 Head of Epidemiology Department

### Education:

July 1981 Faculty of public health, University of Tehran Enghelab Ave.  
Tehran, Iran  
Doctor of Philosophy (**Ph.D.**), Medical Parasitology and  
Entomology

- July 1972 Faculty of Public Health, University of Tehran Enghelab Ave.  
Tehran, Iran  
Master of Science of Public Health (**M.S.P.H.**)  
Medical Entomology and control of vectors
- May 1970 Faculty of Science, University of Tehran Enghelab Ave.  
Tehran, Iran  
Bachelor of Science (**B.Sc.**)- Biology
- Oct-Dec. 1985 Royal Tropical institute  
University of Amsterdam  
Department of Medical Microbiology  
Amsterdam- The Netherlands  
International Course in Serological Diagnostic Techniques
- Sept-Oct. 1988 Royal Tropical Institute  
University of Amesterdam  
Amsterdam- The Netherlands  
International Course on Nucleic Acid Technology in  
Tropical Diseases

### **Training and workshops attended**

1. International course on Nucleic Acid Technology in Tropical Diseases, September 26-October 21, 1988, Royal Tropical Institute, Amsterdam, The Netherlands.
2. International Course in Serological Diagnostic Techniques, October 7-December 12, 1985, University of Amsterdam, Department of Medical Microbiology, Amsterdam, The Netherlands.

### **Lectures and Seminars**

1. Preparation of Toxoplasmosis Indirect Hemagglutination diagnostic kit and its comparison to IFA, Congress of laboratory Science, Mashhad University of Medical Sciences, May 1993.
2. Immunisation against Toxoplasmosis with the use of PEE Antigen. Hazrat Zainab School of Nursing, Amol, November 1992.
3. Morbidity rate of Hyditid Cyst in patients contacting PasteurInstitute of Iran. Medical University of Kashan, 1990.

4. Study of the infection rate of Argasidea ticks to brucella in the central province, Shahre-Kord school of medical sciences, August 1991.
5. Identification of Leishmania species by in Situ hybridization method. Meeting On Leishmaniasis in Iran, Imam Hossein Academy of Medical Sciences, December 22-23, 1991.
6. Study of applied new method for insect Development Inhibitors by destruction of Their Biological Mechanisms, 10 th Veterinarian Congress of Iran, 1990.
7. Myiasis in Reptiles of Iran. 10 th Iranian Veterinarian congress, 1990.
8. Morbidity rate of Hyditid Cyst in patients contacting Pasteur Institute of Iran. Medical University of Kashan, 1990.
9. Epidemiology of Fasioliasis in Province of Gilan. Iranian Veterinarian Association, Decembre 1989.
10. Human Leptospirosis in Iran. 2 nd Congress of Mazandaran University Medical Sciences, March 1989.
11. Schistosoma Hepatitis and changes in Liver cells, Zanjan Medical school. October 1988.
12. Sero-Epidemiology of Toxoplasmosis in Iran, First congress of parasitic disease in Iran, November 1980.

### **Advisor on Student Thesis**

#### **Advisor on student thesis**

<b>No</b>	<b>Title of project</b>	<b>Course degree</b>	<b>Year</b>	<b>Universiy</b>	<b>supervisor/Advisor</b>	<b>student</b>
1	Identification of cutaneous leishmaniasis strains using PCR	Lab. Sci. Doct.	1996	Shahid Beheshti University of Medical sciences	S	M. Yaran
2	Preparation of IHA diagnostic Kit for toxoplasmosis and comparison with IFA	Lab. Sci. Doct.	1992	Shahid Beheshti University of Medical sciences	S	M. Pahlavani
3	Preparation of direct	Lab. Sci. Doct.	199	Shahid	S	H. R.

	agglutination diagnostic Kit for Leishmania donovani		3	Beheshti University of Medical sciences		Mazaheri
4	A study on toxoplasmosis and its incidence rate using anti-toxoplasma Ab in mental retard patients in rehabilitation centers of Eastern-Azərbayjan province	Vet. Doct	1995	Tabriz Azad University	S	A. Karbasi
5	A sero-epidemiological survey on toxoplasmosis in Bandar Anzali	Lab. Sci. Doct.	1995	Shahid Beheshti University of Medical sciences	S	F. Rezazadeh
6	A study on prevalence rate of syphilis in Shadegan city	Pharm. Doct.	1996	Azad Uni.	S	A. Fadaei
7	An investigation on cryptosporidiosis in human and animal	Vet. Doct	1994	Karaj Azad University	A	M. Fereydouni
8	A study on the role of tick Ornithodoros lahorensis in transfection of brucellosis	Ph. D	1988	Tehran University of Med. Sci.	A	F. Ayan
9	The effects of clorambocil (Luceran) in rat spermatogenesis	Ph. D	1998	Azad University	S	M. Heydari Nasrabadi
10	Study on false positive cases in the diagnosis of toxoplasmosis in patients with rheumatoid factor using IFA assay	Lab. Sci. Doct.	1994	Shahid Beheshti University of Medical sciences	S	S. Gholestani
11	Study on toxoplasma positive Ab cases in mental retard centers of Rehabilitation organization in Tehran	Lab. Sci. Doct.	1994	Shahid Beheshti University of Medical sciences	S	N. Ghanizadeh
12	Study on effectiveness of metronidazole, allopurinol, nifedipine and Glucantime on L. major	Lab. Sci. Doct.	1994	Azad. University	S	M. Farbod
13	Seroepidemiological study on syphilis, quantitative and qualitative evaluation of VDRL and FTA-Abs in male prisoners of Tehran prisons	Lab. Sci. Doct.	1992	Iran University. Of med. Sci.	S	S. M. Zargarian
14	Study on cellular immunogenicity of Borrelia persica in animal model	Pharm. Doct	1995	Azad University	S	M. Rostami
15	Study on syphilis infection in female prisoners of Tehran prisons	Lab. Sci. Doct.	1992	Shahid Beheshti University of Medical	S	B. Adami Ghamsari

				sciences		
16	Sero epidemiology of toxoplasmosis in Shadegan city using ELISA assay	Pharm. Doct	1995	Azad University	S	S. Aminzadeh
17	The effects of Gamma radiation on immunogenesis against toxoplasmosis in animal model	Lab. Sci. Doct.	1995	Shahid Beheshti University of Medical sciences	S	Y. Ghasemi Nejad
18	Preparation of haemagglutination kit for hydatid cyst	Pharm. Doct	1995	Pharm. Doct	S	M. Asadian
19	Investigation on preparation of T. gondii Ag.	Lab. Sci. Doct.	1994	Shahid Beheshti University of Medical sciences	S	G. Zaker
20	Comparative evaluation of ELLISA and IFA in the diagnosis of toxoplasmosis	Lab. Sci. Doct.	1995	Shahid Beheshti University of Medical sciences	S	M. Afzal
21	Isolation of bacteria producer of biological cytotoxic agents in Persian Gulf	Pharm. Doct	2001	Azad University	A	S. Safaian
22	Production of ELLISA kit for diagnosis of IgG against toxoplasma	Pharm. Doct	2000	Azad University	A	P. Aslani
23	Epidemiological study on congenital syphilis in Tehran university hospitals	Lab. Sci. Doct.	1993	Shahid Beheshti University of Medical sciences	S	Z. Riazi
24	Study on syphilis in congenital mental retard patients (6-12 year old) in Tehran	Lab. Sci. Doct.	1992	Iran university of medical sciences	S	A. H. Negadeh
25	Comparative evaluation on serological methods for diagnosis of hydatid cyst	Lab. Sci. Doct.	1992	Shahid Beheshti University of Medical sciences	S	N. Davari
26	Preparation of G. Lamblia Ag for evaluation with IFA in diagnosis of Giardiasis	Pharm. Doct	1996	Azad University	S	S. Ejtemai Mehr
27	Comparative evaluation of serological test (ELLISA-IFA-CCIE) for Fascioliasis	Lab. Sci. Doct.	1995	Shahid Beheshti University of Medical sciences	S	M. Heydari Bawaghar
28	Preparation of specific Ag by ELLISA test for hydatosis	Lab. Sci. Doct.	1994	Shahid Beheshti University of	S	K. Vafaei

				Medical sciences		
29	Preparation of specific detection hagamglutination kit for hydatosis	Lab. Sci. Doct.	1995	Azad University	S	M. Asadian
30	Preparation of specific indirect hagamglutination kit for hydatosis	Lab. Sci. Doct.	1994	Shahid Beheshti University of Medical sciences	S	M. Jafari
31	Preparation of specific Ag from larvae of visceral toxocariasis	Lab. Sci. Doct.	1991	Shahid Beheshti University of Medical sciences	S	M. Rahmani
32	Study on transmitted B. persica from ova in O. thlozani typicus	Ms	1995	Tehran university	S	A. Razavi Nematollahi
33	Toxoplasmosis in immuno compromised patients (Transplant-Blood diorder)	Ms	1999	Tehran university	S	N. Jalal lou
34	Purification of Ag from B. microtti flagellum and its sensitivity and specificity to crude Ag	Ms	1996	Pasteur institute	S	M. Soleimani
35	Serological study on avian toxoplasmosis	Ms	1992	Shiraz university	S	A. Akbari
36	Serological study on amoebiasis in Bandar Anzali city	Ms	1991	Tehran university	S	R. Rafiei Tabatabaei
37	Immunization against toxoplasmosis using inhibition of penetration	Ms	1990	Tarbiat modarres	S	A. Eskandarian
38	Sensivity of Argasidae tick e. g. o. tholozani, o. lahoransis to different insecticides in East Azarbaijan	Ms	1991	Tehran university	S	S. A. Motavallian
39	Pneumocystosis in AIDS and immunocompromised patients	Ms	1993	Tehran university	S	A. H. Maghsoud
40	Study on phagocytosis in tuberclosis using flow cytometry	Ms	1998	Azad University	S	M. H. A. Asadi Rad
41	Purification of excretory-secretory Ag from F. hepatica using HPLC and comparison with ELISA, CCIE	Ms	1996	Shahid Beheshti University of Medical sciences	S	R. Shokouhi
42	Detection of different Leishmania in Iran at promastigot from using electro microscopy	Ms	1996	Tehran university	S	N. A. Sadegh

43	the role of transfusion in transmission of Toxoplasma gondii in animal model	Ms	1996	Azad University	S	H. Farhoumand
44	A study on sterilizing effects of	Ms	1996	Azad University	S	F. Bagheri B
45	Congenital toxoplasmosis in Amol city with serological assays	Ms	1996	Tehran university	S	A. R. Esmaeili R
46	Purification of flagella Ag from B. persica and determination of its sensitivity to crude cellular Ag	Ms	7	Pasteur institute	S	F. Aryzi
47	The preparation of toxoplasmin and its evaluation on animal model	Ms	5	Shahid Beheshti University of Medical sciences	S	A. Moazzemi G.
48	Diagnosis of human malaria plasmodium using PCR and its comparison with electro microscopy	Ms	1995	Tarbiat modarres	S	M. Heydari
49	Diagnosis of Leishmania with ploymerase chain reaction (PCR)	Ms	1998	Azad University	S	M. Sabokrou
50	A study on Cryptosporidiosis in patients with acquired immuno-deficiency	Ms	1993	Tehran university	S	H. Nahrevanian
51	A study of the effects of Tea extract on H. pylori	Ms	1997	Azad University	A	Z. Feghhi
52	A study on clinical pathology of hydatid cyst	Ms	1997	Tehran university	S	Z. Salehi
53	The sterilization effects of -Ray on ornithodoros reproduction	Ms	1993	Tarbiat modarres	S	J. Rafiei
54	Morphological study by electromicroscopy of tick-born borreliasis in Iran	Ms	1989	Tehran university	S	S. Soleimania n
55	The effects of vinca varikata extracts on L. major inVivo and inVivo	Ms	1996	Azad University	S	N. S. Safikhan
56	Differentiative diagnostic of L. major using MAB against Amastigotes in scars with IFA	Ms	2000		A	S. Zaker B.
57	A study on preparation of culture medium for prevalent borreliasis in Iran	Ms	1988	Tehran university	S	H. Salim nia
58	Seroparasitological study of fetus deaths from toxoplasma in patients referred to Amol hospitals	Ms	1996	Tehran university	S	M. Alipour

59	Preparation and extraction of MOMPS of <i>B. abortus</i> S. 19 as solid AG using ELISA	Ms	1995	Azad University	S	S. M. Abolfathi
60	The evaluation of larvicidal and ovicidal effects of Diphlobenzeron	Ms	1989	Tehran university	S	M. Salehi
61	Preparation of IHA Kit for serological diagnosis of immune mice with <i>B. microtti</i>	Ms	1996	Azad University	S	A. Rouhani
62	A study on apoptosis on the <i>L. major</i> surface DNA	Ms	1999	Azad University	S	N. A. Davani
63	The evaluation of Dot-blotting for diagnosis of brucellosis and its comparison with culture and serology	Ms	1997	Tehran university	S	A. Aliyari
64	The effects of premethrine, Decamethrine and Actilic on fleas inVivo and inVitro	Ms	1997	Tarbiat modarres	S	M. Salimi
65	Astudy on faetal deaths by toxoplasmosis using PCR	Ms	1996	Shahid Beheshti University of Medical sciences	S	H. Fajrak
66	Seroepidemiological study on toxoplasmosis in Khoram-Abad city by IFA	Ms	1997	Azad University	S	R. Almasian
67	Sero epidemiological study of congenital syphilis in patients of three hospitals of Amol city Peyman, Alborz, Imam Reza (AS)	Ms	1996	Pasteur institute	S	S. Yari
68	A study on infected fleas to <i>Yersinia pestis</i> using IFA	Ms	1988	Tehran university	S	H. Nekoui Dastjerdi
69	Toxoplasmosis in immunodeficient patients using IFA & PCR	Ms	1999	Shahid Beheshti University of Medical sciences	S	M. F. Sheikh-oleslami
70	The application of <i>L. giganteum</i> for malaria control	Ms	1990	Tehran university	A	H. Vatandoost
71	Serological study on brucellosis in patients referring to Arak laboratories	Ms	1997	Azad University	A	B. S. Saadi
72	A study on the infection of children in Gilan province to <i>S. oreus</i> and streptococcus -hemolytic A	Ms	1996	Azad University	A	A. Payamdeh Kar
73	A study on hepatitis B in	Ms	199	Azad	A	R. Tahouni



	physical and mental retard patients of Tehran		6	University		
74	The best accurate and hygienic method to remove bacteria in rural area	Ms	1997	Azad University	A	F. D. Mohammadian
75	A study on the effects of chlorett (prodifacom) in R. norregicus fetus	Ms	1992	Azad University	A	M. Heydari
76	Bacteria transmitted by the digestive tract and body surface of A. periplaneta and B. germanica in Tehran homes and hospitals	Ms	1990	Tehran university	S	M. R. Fakour Ziba
77	Astudy on different strains of rodents and their extoparasites in semnan city	Ms	1992	Tehran university	S	M. taghi Eghbali
78	The evolution cycle of B. persica in tick O. tholozani using IFA	Ms	1991	Tehran university	S	M. Nejati M
79	A study on immuno-blotting profiles of toxoplasma AG in acute and chronic infected patients	Ms	1998	Tehran university	S	A. Jalali P.
80	A study on the distribution of O. eraticus in west Azarbaijan and its role in borreliasis	Ms	1985	Tehran university	S	H. Addoust
81	Astudy on different strains of rodents and their extoparasites in semnan city	Ms	1992	Tehran university	S	M. taghi Eghbali
82	A study on comparison between methods Dot-blotting, Western-Blotting with FTA-Abs for diagnosis of syphilis	Ms	1999	Tehran university	S	A. Khorrami
83	Immuno-plait method for diagnosis of hydatisis	Ms	1997	Azad University	A	M. Kafshnouchi
84	Tratogenic effects of BARAKI on Rat fetus	Ms	2000	Azad University	S	F. Kalantar M.
85	Isolation, cloning and preparation of B Ag of HBV in sacharomyces cervisiae	Ms	2000	Azad University	S	F. Haghighi Rad
86	Geographical distribution of Borrelia SPP. In Zanjan province	Ms	1997	Azad University	S	K. Afrasiabi
87	A study on effects of V.major extracts on L. major inVitro and inVivo	Ms	1996	Azad University	S	M. Modabber
88	Serological study on	Ms	199	Azad	S	M. Orang

	syphilis in disables of Mazandaran Rehabilitation centers		8	University		
89	Distribution of Ixodidae and Argasidae ticks in Ilam province	Ms	1995	Tehran university	A	E. Gholami P.
90	A study on the prevalence rate and infection of Argasidae ticks to <i>B. persica</i> in Khalkhalncity	Ms	2001	Tarbiat modarres	S	D. Medadi Hour
91	Antibacterial effects of Kambocha products on intestinal enterobacter e. g. <i>E. coli</i> , <i>schigella</i> and <i>salmonella typhi</i>	Ms	1999	Azad University	A	F. Rezaii
92	The prevalence of the modt important intestinal parasites in children of Ghazvin mental retard centers	Ms	199	Azad University	A	B. Faal
93	A study on prevalent plasmodiums of sout-east provinces of Iran using microscopy and Nested-PCR	Ms	2001	Azad University	S	H. Keshavarz
94	A study on the protective effects of Entrobacter agglomeranse and Haphina alloi against <i>Y. pestis</i> in laboratory white mouse	Ms	1996	Azad University	S	A. Tayeri
95	Design and preparation of ELLISA Kit for Hydatidis	Ms	2001	Azad University	S	E. Ghorbanali Nejad
96	Serological study on syphilis in Zanzan prisons	Ms	1996	Azad University	S	M. Aref Nejad
97	Absorbent effects of <i>B. persica</i> for diagnosis using FTA-Abs assay	Ms	1996	Azad University	S	G. Modabber
98	A study on the effects of <i>V. minor</i> extracts on <i>L. major</i> in Vitro and in Vivo	Ms	1996	Azad University	S	S. Agah
99	The prevalence rate of trichomoniasis in patients reffered to fqmily planning clinic in Lahijan city	Ms	1999	Azad University	S	R. Mousa Zadeh
100	Antibacterial and bactericidal effects of <i>Hirodinea medicinalis</i>	Ms	1999	Azad University	S	T. Nopour Mesr D.
101	Preparation of toxoplasma Ag for direct agglutination test	Ms	2000	Azad University	S	E. Sammak M.
102	Determiation of produced sensitive and resistant toxins to 50° of <i>Aeromonas</i>	Ms	2000	Azad University	S	H. Seyyed Hamzeh

	hydrophilay isolated from Ilam and Mazandaran provinces					
103	A study on polymorphism of <i>T. gondii</i> strains using molecular assays	Ms	2001	Azad University	S	R. Behzadi
104	A study on the effects of <i>vinca rosea</i> on <i>L. major</i> in Vitro and in Vivo	Ms	1996	Azad University	S	S. Moslehi J.
105	The prevalence of trichomoniasis in Women referred to Ramsar family planning clinics	Ms	1999	Azad University	S	R. Gholizadeh D.
106	Distribution of Argasidae ticks and <i>O. tholozani</i> to <i>B. persica</i> in Hamadan	Ms	1996	Tarbiat modarres	S	G. Shahraki
107	Congenital toxoplasmosis in Rat model	Ms	1996	Tehran university	S	M. Saleh
108	A study on cultural and antigenic qualification of <i>Borrelia persica</i>	Ms	1988	Tehran university	S	M. R. Razavi
109	A study on geographical distribution of Argasidae ticks and their infection to different borrelia species in Ghazvin city	Ms	2000	Tehran university	S	Z. Aghighi
110	A study on the infection of Argasidae ticks to <i>Brucella</i> strains in Markazi province	Ms	1991	Tarbiat modarres	S	Z. Telmadarreh
111	Construction of a pCMV plasmid using GRA2 cDNA of <i>Toxoplasma gondii</i> and evaluation of its immunogenicity against chronic toxoplasmosis in a CBA/J mice model	Ph.D	2004	Pasteur Institute of Iran	S	M. Golkar
112	A Survey of polymorphism of <i>Pfcr</i> t, <i>Pfmdr</i> -1 genes in <i>Plasmodium falciparum</i> associated with chloroquine resistance in the endemic areas of Iran by molecular methods	Ph.D	2005	Pasteur institute of Iran		A. R. Esmaeli
113	A study on nitric oxide (NO) induction by determination of reactive nitrogen intermediates (RNI) as a novel immunological target in malaria infected patients from endemic areas of Iran	Ms	2005	Pasteur institute of Iran	A	J. Gholizadeh

1. Study of Cryptosporidiosis in patients with Immune Deficiency. 1992.
2. Study of prevalence of Syphilis among congenital mentally retarded persons in the mental retardation houses around Greater Tehran. 1991.
3. Serological study of Amoebiasis in Bandar Anzali, Iran. 1991.
4. Comparison of Serology methods for diagnosis of Hydatid cyst. 1991.
5. Sero-Epidemiological study of Syphilis and its comparison to VDRL and FTA-ABS tests among imprisoned men in the greater Tehran's jails. 1991.
6. Prevalence of Syphilis among imprisoned women in greater Tehran's jails. 1991.
7. Study of infected Argasidea Ticks to Brucella in central province, Iran. 1991.
8. Preliminary study of Lyme disease's presence in Iran through examination of I. Ricinus ticks. 1991.
9. Study of different rodent species and their Ectoparasitism in the province of Semnan, Iran. 1991.
10. Preparation of Indirect Haemagglutination test for Toxoplasma and its comparison to IFA. 1991.
11. Evolution of Borrelia Persica in Ornithodoros tholozani Ticks by using IFA. 1990.
12. Immunization against Toxoplasmosis by Immunological prevention of parasite penetration into the host cell. 1990.
13. Preparation of *Toxocara canis*. Larval Antigen. 1990.
14. Study of the role of health problems caused by Rodentia-Muridae in south of Tehran and quality control of control methods. 1990.
15. Study of Sensitivity rate of soft ticks (Argasidae: Ornithodoros) in particular O. tholozani and O. lahorensis to different insecticides in Eastern Azarbaijan. 1990.

16. Serologic study of human's Leptospirosis in Sari, Babol, and Amol (Mazandran province). 1989.
17. Morphological and Electron microscopical study of Ticks infected to *Borrelia* in Iran. 1989.
18. Transovarial transmission of *Borrelia Persica* in *Ornithodoros tholozani typicus*. 1989.
19. Study of growth specificity and Antigenic of *Borrelia Persica* and *Borrelia microti*. 1988.
20. Study of pathogenic bacteria transmitted through periplaneta *Americana* and *Battella germanica* in houses and hospitals of Tehran. 1989.
21. Effect of Lervasidal and Ovosidal Diflobenzoron 1 "Insect Growth Regulator" against *Musca domestica*. 1988.
22. Sero-Bacteriology of Borreliosis in endemic province of Eastern Azarbayjan, Iran. 1988.
23. Study and preparation Quality of culture media for different *Borrelia* prevalent in Iran. 1987.

#### **Research Projects not published**

1. Detection of Leishmania parasite strains by DNA in Situ Hybridization with non-radio active probes in Iran. 1995.
2. Study of the relationship between *Toxoplasmosis* and infant death in Shaheed Akbar-Abadi Hospital in Tehran. 1993.
3. Study of protectively of penetration Enhancing Factor (PEF) of *Toxoplasma gondii* in animal model. 1993.
4. Investigation on distributed Ticks, fauna in Iran. 1992.
5. Study of *phlebotomus* species and their infectious rate to sand fly fever in infectious areas of South and South western of Iran including Ahvaz, Abadan, Khoramshahr, Mehran and Gilan. 1991.
6. Study of Sero-Epidemiology of congenial *Toxoplasmosis* in maternity wards related to College of Medicine, Tehran University. 1991.
7. Investigation of antigenic cross-reaction of various tick-born borrelia distributed in Iran. 1988.

8. Study of Antigen production of Nuclear Antibody Test (ANA) by BHK cells. 1988.
9. The role of ticks in Transmission of *Brucellosis*. 1987.
10. Preparation of IFA kit for diagnosis of *Toxoplasmosis*. 1986.
11. Study of biological control of malaria by *Lagenidium giganteum*. 1983.
12. Sero-Epidemiology of *Toxoplasmosis* disease in Iran. 1982.
13. Prenatal assay of congenital toxoplasmosis with a polymerase-chain-reaction (PCR) test on amniotic fluid in Tehran.
14. Preparation of FTA-absorption kit for detection of syphilis disease.
15. PCR-detection of different species of plasmodium in malaria vectors prevailing in endemic area of Iran.
16. Single strand conformational polymorphism analysis of various species of Human plasmodiums in Iran.
17. The Evaluation of the *in vitro* and *in vivo* antileishmanial activity of *vinca* extract.

Evaluation of immunogenicity and protective efficacy of a recombinant GRA2 against acute *Toxoplasma* infection in BALB/C mice

18.

### **Publications**

1. **Assmar M., Soleimani M., Oreizi F., Piazak N., Hossini S.M., Saghiri R. and Zamani Z.** Purification of periplasmic flagellar Antigen from *Borrelia microtti*. *Scand. J. Infect. Dis.*, 2002; **34**: 267-272.
2. **Razavi Delighani M.R., Sadaie M.R., Richinsky V., Noori-Dalooi M.R., Azizi M., Amanzadeh A. & Assmar M.:** Cloning and expression of Leishmanolysin gene from *Leishmania major* in primate cell lines. *J. Sci. I. R. Iran.* 2001, **12(2)**: 117-125.
3. **Assmar M., Terhovanessian A., Fajrak H., Naddaf Dezfooli S. R.:** Detection of *Toxoplasma gondii* in dead fetuses by polymerase chain reaction. *Iranian Journal of Medical sciences.* 2000: **25(1&2)**: 59-61.

4. **Aghighi Z., Assmar M., Vatandoost H.:** A study on tick-borne relapsing fever and their infection to *Borrelia* in Qazvin city. *Modarres J. Med. Sci.* 2000 **2(2)**: 111-114.
5. **Piazak N., Seyedi Rashti M.A., Assmar M.:** A survey of Prevalence of *Ornithodoros tratakovskyi* and its infection rate with *Borrelia latychevi* in Sarakhs county, Khorassan province. *Iranian J. of Public Health.* 2000, **29(1-4)**: 103-108.
6. **Hatami H., Assmar M., Massoud J., Aryaii Far S.H., Mansouri F., Fatemi M., Shahrezaii A., Rezaii R., Namdari Tabar H.:** The first report of human *Fascioliasis* outbreak in Kermanshah province. *J. Modarres. Med. Sci.* 2000, **2(2)**: 79-87.
7. **Nopour Mesr Dashti T., Assmar M., Mozafari N.A., Motevalian S.A., Kalantar Hormozy A.J.:** Study on bacterial agents and bactericidal effects of *Hirudinea medicinalis*. *J. Iranian Plastic Surg.* 2000, **2(7)**: 5-8.
8. **Assmar M., Hajizadeh Manjili M., Esmaeili A.R., Farahmand M., Piazak N., Rafati S., Naddaf Dezfooli, S.R.:** Immunogenicity of Gamma-Irradiated *Toxoplasma gondii* tachyzoites in mice. *Iranian Biomedical Journal* 1999; **3 (3&4)**: 93-97.
9. **Nekoui Dastjerdi H., Assmar M., AmirKhani A., Piazak N.:** Distribution of ticks and their association with *Borrelia* in Semnan province. *Iranian J. of Public Health.* 1999 **28(1-4)**: 103-110.
10. **Sheikholeslami F., Assmar M., Seid Ali Mahbod A.:** Detection of *Toxoplasmosis* in immuno-deficient patients by PCR and IFA. *J. Pajooresh in Medicine:* 1999, **23(2)**: 113-118.
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