



- **Curriculum Vitae**

Title: Mr	Medicine, Ilam University of Medical Sciences, Ilam, Iran.
First name: Afra,	Tel/Fax: 0098 841 334 8495
Surname: Khosravi,	Mobile: 0098 918 741 9472
Date of birth: 27.07.1964	Nationality: Iranian
Address: Ban Ganjab Court, Immunology Dept., Faculty of	Resident place: Iran

Career profile:

- **Position**

Associate Professor, Immunology Dept., Faculty of Medicine, Ilam University of Medical Sciences, Ilam, Iran.

Head of Immunology Dept., Faculty of Medicine, Ilam University of Medical sciences, Member of Educational Council of Ilam University of Medical Sciences
Member of Research Council of Ilam University of Medical Sciences

- **Experiments**

I have finished my PhD at the Liverpool School of Tropical Medicine in the field of Immunology and Molecular Biology. The main purpose of my PhD project, which started from May 2001, was synthesizing 4 recombinant proteins of plasmodium falciparum merozoite surface protein 2 and testing them against human immune sera in order to assess the age dependent humoral immunity responses to those antigens. I have gained the certificate for English language course from (July to September 2000) and also Diploma in human immunity (from Oct 2000 to April 2001) from University of Liverpool.

- **Molecular biology**

Making recombinant proteins (using different E.coli hosts), PCR amplification, Gel Electrophoresis, restriction endonucleases digestion, mini-preparation of DNA, ligation reaction, cloning of ligated plasmids, transformation of competent cells, expression and purification of proteins, SDS PAGE, Western Blotting, Bradford assay for concentration of protein and amplification of vector, antigen extraction, sonication, solubilization of antigens.

- **Immunology**

Working with human sera, pre adsorption of sera with lysate of E.coli, ELISA, IFAT, making monoclonal antibody using NS1 cell line and immunised mice B cells, preparation of peripheral blood leukocytes, counting the WBC, T cell cloning and proliferation.

- **Medical Parasitology**

Cultivation of malaria parasite in vitro, synchronization, Cryopreservation, microscopy detection, making crude schizont antigen, detection of intestinal parasites. Teaching medical Parasitology and Epidemiology to students of Public Health and other students.

- **Public Health**

I have been graduated in BSc of Public Health and worked in Ilam University of Medical Sciences as a Public Health technician few years. In our University I have taught students who were studying for the degree of BSc in Public Health.

- **Computer skills:**

I have attended and completed the IT courses based at the University of Liverpool Computer Centre relating to Microsoft office, Microsoft Word, Excel, PowerPoint, Access, Internet and Email applications, Endnote and some Statistics packages like Minitab and SPSS, online search and storage the new papers.

- **Communication skills**

I have good written and oral communication skills that I have gained working with students and staff from my previous job as a Lecturer and also I have had two courses based on presentation and communication skills for postgraduate students at the University of Liverpool and also I have written my thesis which made me communicate with supervisors and other relevant individuals for development of my communication and writing skills.

- **Past experiences**

I have worked at the Ilam University of Medical Sciences in Iran as a lecturer and a the director of research department from 1994 to early 2000 working at some research projects related to health system in Iran and some teaching either theoretical lectures or practical lab works. Also I've been a member of Educational, Student and research council of Ilam University of Medical sciences from 1994 to 2000. I have been the chief director of the journal of Ilam University of Medical Sciences from 1994 to 2000.

- **Research**

I have worked at research department of my university in Iran involving in some researches such as Hydatidosis in human and wild animals, Mothers and children health cares, different methods of family planning in Ilam, Iran, Evaluation of common intestinal parasites amongst school children, Study on occupational health in industrial workers, Vaccination strategy in children of Ilam and Contaminations in drinking water of rural areas of Ilam town, Iran.

- **Other Skills /abilities:**

Career Skills

Seminars presentation

Preparing handouts / reports

Data analysing using Microsoft Excel, SPSS, Microsoft Word, Endnote, Minitab, Microsoft Access and Internet search

- **Education and qualifications**

- a. 2005 until 2012: Head of Research Dept., Ilam University of Medical Sciences
- b. 2005 until now: Editor in Chief, Ilam University of Medical Sciences
- c. May 2002 to Feb 2005: PhD Project Liverpool School of Tropical Medicine, UK
- d. May 2001 to May 2002: Mphil in molecular biology and Immunology, Liverpool School of Tropical Medicine, Liverpool, UK
- e. Oct 2000 to April 2001: Diploma in Human Immunity, Immunology Dept., Faculty of Medicine, University of Liverpool
- f. July 2000 to Sept 2000: Certificate in English Language Course (Reading, Writing, Speaking, Listening, Oral presentation, Poster presentation, social English), English Language Dept., Faculty of Science, University of Liverpool, UK
- g. 1994 to early 2000: Lecturer at Ilam University of Iran
- h. 1991 to 1994: Studying for MSc at Medical Parasitology
- i. 1988(late) to 1990: Studying for BSc at Public Health and Epidemiology
- j. 1986(late) to 1988: Working at clinic as a member of Primary Health Care team
- k. 1983 to early 1986: Studying for Bachelor in Public Health and Comm. disease
- l. 1980 to 1982: High School studying for experimental sciences

- **Publications- Papers**

1. **Afra Khosravi**^{1*}, Morteza Shamsi², Noorkhoda Sadeghifard³, Ghafourian Sobhan. Evaluation of mice, sheep and human IgG and IgE antibody responses against the mice Crude Hydatid Cyst Fluid (HCF) antigens. *Journal of Cell and Animal Biology* Vol. 6 (3), pp. xxx-xxx, 15 March, 2012 Available online at <http://www.academicjournals.org/JCAB> DOI: 10.5897/JCAB11.098.
2. **Afra Khosravi**, Sobhan Ghafourian, Morteza Shamsi, Nourkhoda Sadeghifard, AbbasMaleki, and Ebrahim Babaahmadi.. Cross-Reaction between the Crude Hydatid Cyst Fluid Antigens of Human and Animals Origin in Response to Human IgG Class and Subclasses. *Journal of Parasitology Research*, Volume 2012, Article ID 947948, 8 pages, doi:10.1155/2012/947948.
3. A. Farmany & **A. Khosravi** & S. Abbasi & J. Cheraghi & R. Hushmandfar & S. Sobhanardakani & H. Noorizadeh & S. S. Mortazavi. New kinetic-spectrophotometric method for monitoring the concentration of iodine in river and city water samples. *Environ Monit Assess* ,DOI 10.1007/s10661-012-2574-4.
4. E Gholami Parizad¹, **A Khosravi**^{2*} E, Gholami Parizad, K Sayehmiri, R Ranjbar. Detection of HBV DNA in Cerumen and Sera of Hbsag Negative Patients with Chronic Hepatitis B Infection. *Iranian Red Crescent Medical Journal*. 2012, **14**: 186-167.

5. **Afra Khosravi***, Morteza Shamsi, Noorkhoda Sadeghifard, Ghafourian Sobhan Evaluation of mice, sheep and human IgG and IgE antibody responses against the mice Crude Hydatid Cyst Fluid (HCF) antigens. *Journal of Cell and Animal Biology* 2012. 6 (3), pp. xxx-xxx.
6. Reza Mohebi, Sobhan Ghafourian., Zamberi Sekawi, **Afra Khosravi**, Elham Abouali Galehdari, Reza Hushmandfar, Reza Ranjbar, Abbas Maleki, Mona Mohammadzadeh, Mohammad Rahbar, Nourkhoda Sadeghifard. *In vitro and In vivo* antibacterial activity of acron herbal extract against some gram-negative and gram-positive bacteria. *Romanian Journal of Microbiology and Immunology*, 2011. 70(4): 148-152.
7. E Gholami Parizad, **A Khosravi***, E Gholami Parizad, N Sadeghifard, S Ghafourian.. Evaluation of Chronic Hepatitis B Infection in Patients with Seronegative HbsAg. *Iranian J Publ Health*, Vol. 41, No.2, Feb 2012, pp.100-104.
8. Sobhan Ghafourian, Zamberi Sekawi, Vasanthakumari Neela, **Afra Khosravi**, Mohammad Rahbar, Nourkhoda Sadeghifard. Incidence of extended-spectrum beta-lactamase-producing *Klebsiella pneumoniae* in patients with urinary tract infection. *Sao Paulo Med J.* 2012; 130(1):37-43.
9. **Afra Khosravi**, Hamzeh Karimi, Hadi Nourizadeh* Sajad Rezapasand and Abbas Farmani. Prediction of Relative Retention Indices of *Phlomis* Essential Oils: Use of QSRR Program. *J. Basic. Appl. Sci. Res.*, 2(2)1615-1618, 2012.
10. Sara Faryadian¹, **Afra Khosravi***, Hosein Ali Safakha³ and Ali Rashidy-Pour. The influence of verapamil on the inhibitory effects of corticosterone against neuropathic pain behaviors in rats. *African Journal of Biotechnology*, 12 January, 2012 Vol. 11(4), pp. 961-967.
11. Sobhan Ghafourian, Reza mohebi, **Afra khosravi**, Abbas Maleki Abdolah Davoodian and Nourkhoda Sadeghifard. Detection of Hepatitis B Virus DNA by Real-Time PCR in Chronic Hepatitis B Patients, Ilam, Iran. *Middle-East Journal of Scientific Research* 9 (4): 478-480, 2011.
12. **Afra Khosravi***, Marcel Hommel, Koroush Sayehmiri. Age dependent immune response to *plasmodium falciparum* merozoite surface protein-2, *Parasite Immunology*, 2011, 33, 145–157.
13. Morteza Hosseinzadeh, **Afra Khosravi***, Kouros Saki Reza Ranjbar. Evaluation of *Helicobacter pylori* infection in patients with common migraine headache. *AMS* 2011; 5(7): 844-849.
14. Elaheh Gholami-Parizad, Morovat Taherikalani, Noor-amir Mozaffar-Sabet, Mahdi Asmar, Skandar Gholami-Parizad, **Afra Khosravi**, Mohammad Emaneini, Parisa Asadollahi. Cerumen as a potential risk for transmission of hepatitis b virus. *Acta Microbiologica et Immunologica Hungarica*, 2011; 58 (2): 105–112
15. Abbas Maleki, Nasim Ghafourian, Sobhan Ghafourian, Iraj Pakzad Nourkhoda Sadeghifard, Zamberi Bin Sekawi, Reza Mohebi, Ali Hematian and Moreteza Hosseinzadeh. , **Afra Khosravi**, Khayrolah Asadolahi, Evaluation of an Immunocapture-Agglutination Test (Brucellacapt) for Serodiagnosis of Human Brucellosis, Ilam, Iran. *WJFMS* , 3 (3), 2011: 243-246.
16. Ebrahim Babaahmady and **Afra Khosravi*** Toxicology of baytril (enrofloxacin). *African Journal of Plant Science* Vol. 5(14), pp. 790-793, 27 November, 2011

17. **Afra Khosravi**, Mortaza Shamsi, Ebrahim Babaahmadi, Kourosh Salyemiri, Kourosh Saki Cross reaction of human antibody to Hydatid Cyst Fluid antigens of human and mice. *Health System Research* 2011, 7(2); 236-246.
18. Baba Ahmadi E, Khosravi A, Shamsi M, sayemiri K, Hooshmandfar R. Human IgG class and subclass to human crude hydatid cyst fluid antigen compared to antigen B. *Ilam Scientific J of Ilam Medical Sciences*, 2011, 19(1):10-16.
19. Morteza Hosseinzadeh, **Afra Khosravi***, Zeinab Borji, Hoda Safaeie, Ali Delpisheh. Analysis of Antibody to Helicobacter Pylori in Pregnant Women with Nausea and Vomiting. *Health System Research* 2011, 7(1); 81-88.
20. Morteza Hoseinzadeh, **Afra Khosravi***. Bahareh Kalantari, Leila Shidelzadeh, Reza Ranjbar Seroepidemiological assessment of toxoplasmosis in women with and without abortion history in Ilam. *Seroepidemiological assessment of toxoplasmosis in women with and without abortion history in Ilam. Health System Research*. 6(4); 2011.
21. **Afra Khosravi***, Hadi Peyman (BSc), Koroush Sayemiri (Msc, PhD), Einolah Asgharnejad (MD), Reza Ranjbar. Evaluation of Sera Hemocystein and Lipoprotein (a) levels in relation to other risk factors of cardiovascular diseases. *Health System Research*.2011, 6(2): 1-9.
22. R Ranjbar, A Naghoni, S Yousofi, S Farshad, B Lameara, M Abedini, T H Ashtiani, F M Ghazi, M Izadi, N J Jaafari, Y Panahi, N Sadeghifard, **A Khosravi**. Recognition of broad spectrum betalactamase resistant Salmonella enteritica isolates. *J of Infectious and Tropical disease*. 2011.16(53): 29-34.
23. Morteza Hoseinzadeh , **Afra Khosravi***, Koroush Sayemiri , Mohammad Hossein Rasoli, Alireza Mohaverid. The antibody titers to Helicobacter pylori in 7-12 year old Iron deficiency anemic children, in Ilam. *JRMS* 2010; 15(6): 324-330.
24. **Afra Khosravi**, Eghbaleh Asadollahy. Chemical synthesis and biological evaluation of two novel anti-malarial derivatives of amodiaquine against sensitive and resistant plasmodium falciparum. *Clinical Biochemistry*, Volume 44, Issue 13, Supplement, September 2011, Pages S156-S157.
25. Asdollahy E, **Khosravi A***, O.Neil P. Synthesis and evaluation of 4-fluoro-amodiaquine a novel antimalarial drug against sensitive and resistant strains of Plasmodium falciparum. *Scientific Journal of ZanzanUniversity of Medical Sciences* 2010. 18(70): 1-9.
26. H. Noorizadeh, A. Farmanya and **Afra Khosravi.*** Investigation of Retention Behaviors of Essential Oils by Using QSRR. *Journal of the Chinese Chemical Society*, 2010, 57, 982-991.
27. Joneydi J,Ranjbar, Kakaei M.,Ghorbani GH.A.,Izadi M.,**Khosravi A**,Tavakoli H.R. The evaluation of anti-measless IgG antibody level five years after mass vaccination of measless –rubella among the medical students Baghiatallah University of Medical sciences. *J Ilam University of Medical Sciences*. 2010; 18(1):34-39.
28. Hosseinzadeh M, **Khosravi A***, Kaikhavani S, Malekshahi S , Khorasani R *Helicobacter pylori* Antibody titer in Migraine patients in Ilam. *Iranian Journal of Medical Microbiology*. 2010; 3 (4): 24-30.
29. Baba Ahmadi E, **Khosravi A**, Shamsi M, Hooshmandfar R. The Anti-coccidial Evaluation of Quim coccid, Pharm coccid, Amprolium And Monensia Against Eimeria Tenella in Vitro.2010. 18(2): 37-43.
30. Reza Ranjbar, Mohammad Reza Pourshafie, Mohammad Mahdi Soltan-Dallal, Mohammad Rahbar, Shohreh Farshad, Nima Parvaneh, **Afra Khosravi**.

- Fatality due to shigellosis with special reference to molecular analysis of *Shigella sonnei* strains isolated from the fatal cases. *Iranian Journal of Clinical Infectious Diseases* 2010;5(1):36-39.
31. Bahrami AM, **Khosravi A**, Maspi N. Effects of Drug Combined of Black And White Alum on Cutaneous Leishmaniasis Lesion. *Scientific Journal of Ilam University of Medical Sciences*. 2009; 17 (4): 53-59.
 32. Asdollahy E, **Khosravi A***, O.Neil P. Synthesis and evaluation of 4-chloro-amodiaquine analogues against two resistant and sensitive forms to chloroquine *Plasmodium Falciparum*, in vitro. *Yafteh*. 2009. 10(4): 1-9.
 33. Azizian M., Yaghmaei B., **Khosravi A**. Breast Cancer and Glutathione s-transferase Genetic Polymorphism. *Scientific Journal of Ilam University of Medical Sciences*. 2009; 17 (1): 31-38.
 34. Gholamiparizad E, **Khosravi A**, Purabass A, Mehdizadeh MA. A Study on the Effective Factors of Bread Wastes in Ilam Urban Bakeries (2006-7). 2008; 16 (4): 8-17.
 35. **A. Khosravi**, A. Dalimi Asl, A. Kaikhavandi, Prevalence of *Hymenolepis nana* and other intestinal parasites as mixed infection among children in Ilam, and impact of single-dose praziquantel against *H. nana*. *International Journal of Antimicrobial Agents*, Volume 29, Supplement 2, March 2007, Page S15.
 36. **A. Khosravi**, M. Hommel. Evaluation of malaria status and immune response to *Plasmodium falciparum* MSP-2 *International Journal of Antimicrobial Agents*, Volume 29, Supplement 2, March 2007, Pages S13-S14.
 37. Gholami Parizad , **Khosravi A**, Khaikhavandi A, Jalali Galoosang A, Gerami Matin H. A Comparative Study on Themephus and Gamabenzen Hexachloride(GBHC) Pediculicide Treatments against Head Lice among Primary School Children in Ilam, Iran. *Ilam Journal of Medical Sciences*, 2006. 14(3): 35-40.
 38. Naserifar R, **Khosravi A*** Prevalence of cryptosporidiosis among children suffering from diharrea in Ilam. *Scientific Journal of Ilam University of Medical Sciences*. 2002; 9(32-33):7-10.
 39. **Khosravi, A***, Dalimi, A. Evaluation of Praziquantel in Treatment of *Hymenolepis nana* amongst children of Primary Schools in Ilam, Iran, *Scientific Journal of Ilam University of Medical Sciences*, 1995.
 40. **Khosravi, A***, Naserifar R. Hydatidosis in Human and animal in Ilam province, Iran, *Scientific Journal of Ilam University of Medical Sciences* 1996.
 41. **Afra Khosravi***, Gholam Reza Sharifirad. Different opinions towards family planning and contraceptives amongst women referred to clinics of Ilam, Iran. *Scientific Journal of Ilam University of Medical Sciences*, 1997.

***Corresponding Author**

- **Congress**

1. Poster presentation in British Society of Parasitology (BSP), 2004, Chestre, UK “ Age dependent antibody response to MSP-2”
2. Oral presentation at ECCMID 17th Congress, Mounich 2007: “Evaluation of malaria status and immune response to *Plasmodium falciparum* MSP-2, Khosravi A. Hommel M”
3. Oral presentation at ECCMID 17th Congress, Mounich 2007:

“Prevalence of *Hymenolepis nana* and other intestinal parasites as mixed infection among children in Ilam, and impact of single-dose praziquantel against *H. nana*, Kaikhavandi A. Khosravi A. Dalimi Asl A”

4. Poster presentation at ECCMID 18th Congress, Barcelona 2009: Assessment of parasitic and microbial infections in vegetables using different washing methods Khosravi A. Asadollahy E. Armani A”.
5. Oral Presentation at ECCMID 20th Congress, Vienna 2010: “ Synthesis and evaluation of 4fluoro-amodiaquine a novel antimalarial drug against sensitive and resistant strains of Plasmodium falciparum , Asadollahy E. O'Neill P”.
6. Poster presentation at 14th International Congress of Immunology Kobe, Japan: “The comparison of immune response factors in exercisers and non-exercisers, A. Khosravi, H. Peyman, F. Soleimani and M. M. Nahal.”
7. Poster presentation at 5th Middle East Cardiovascular Congress: “Evaluation of Sera Hemocystein levels in relation to other risk factors for cardiovascular disease. Afra Khosravi, Hadi Peiman”.
8. Oral Presentation at the International Symposium on Recent Advances in Ecology and Management of Vectors and Vector Borne Diseases, 1st-3rd December, 2010 , Gwalior, India: " IgG2 and IgG3 subclass response to merozoite surface protein 2 (MSP-2) and malaria status, Afra Khosravi, Eghbaleh Asadollahy ".
9. Poster Presentation at the International Symposium on Recent Advances in Ecology and Management of Vectors and Vector Borne Diseases, 1st-3rd December, 2010 , Gwalior, India: " Comparative study of the themephus and gamabenzen hexachloride (GBHC) pediculicide treatments against head lice in the primary school children in Ilam, Iran, Gholami Parizad E, Khosravi A, Ghalosang J A".
10. Poster presentation in 21 international congress of ECCMMID in Milan, Italy 2011: "IgG class and subclass response to MSP-2 and Malaria Status" Afra Khosravi, Eghbaleh Asadollahy
11. Poster presentation at Mashahad congress of biochemistry proceeding in clinical biochemistry 2011,

- **Publications- Books**

1. Khosravi A, Hosseinzadeh M. Basic Immunology for medical Students. 2009. Vahdat Publications. Ilam, Iran.

- **Membership**

Member of British Society of Immunology since 2000
Member of British Society of Parasitology since 2004

- **Referees:**

1. Professor Marcel Hommel, Pasteur Institute of France, mail: M.Hommel@liv.ac.uk
2. Dr Alister Craig, Liverpool School of Tropical Medicine, Molecular Parasitology department, Pembroke Place, L3 5QA, Tel: 0151 708 9393
3. Dr Ebrahim Naderali, Neuroendocrine and Obesity Biology, Department of Medicine University of Liverpool, Unit UCD, Daulby Street, Liverpool, L69 3GA
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