



## **BAHADOR SHAHRIARI (Sarkari)**

*Professor of Immunoparasitology*

### **Personal Information**

- **Surname:** Bahador
- **Family name:** Shahriari
- **Previous family name :** Sarkari
- **Address:** Department of Parasitology and Mycology, School of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran  
Tel: 0098 711 2305291 Fax: 0098 71102305291  
E mail: sarkarib@sums.ac.ir

### **Educations**

**PhD in Immunoparasitology:** 1998–2001, Liverpool School of Tropical Medicine, University of Liverpool, UK.

**Diploma in human immunity:** 1997-1998, Department of immunology, Faculty of Medicine, University of Liverpool, UK

**MSc in Parasitology:** 1990-1992, Department of Parasitology, Tarbiat Modress University, Tehran, Iran.

### **Professional experiences**

**2007-Con:** Lecturer in Faculty of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran

**2001-2007:** Lecturer in Faculty of Medicine, Yasuj University of Medical Sciences, Yasuj, Iran

**1992–1997:** Lecturer in Faculty of Medicine, Yasuj University of Medical Sciences, Yasuj, Iran

### **Training courses**

**8 September - 24 October 2004:** Advanced WHO/TDR course on Immunology, Vaccinology and Biotechnology Applied to Infectious Diseases, Lausanne, Switzerland.

**24 October to 4 November 2005:** 4th South East Asian Training Course on Bioinformatics Applied to Tropical Diseases, sponsored by WHO/TDR, New Delhi, India.

**7-11 December 2002:** Workshop on Generation of Recombinant Monoclonal Antibodies in E coli. Organised by National Research Centre for Genetic and Biotechnology, Tehran, Iran.

**18-27, June 2007:** Training Workshop on Ethical Considerations and Biomedical Use of Non-Human Primates for Research in Tropical Diseases. Institute of Primate Research, Nairobi, Kenya.

## **Publications**

1. **Sarkari B**, Bavarsad N, Motazedian MH, Mirjalali H, Akhoundi M, Mohebbali M, Hajjaran H. Inter and intra-specific variations of *Leishmania* strains isolated from cutaneous and visceral leishmaniasis patients in Fars province, south of Iran. *Iranian J Med Sci*. 2015 [in press].
2. **Sarkari B**, Abdolahi Khabisi S. Severe congenital toxoplasmosis, a case report and strain characterization. *Case Reports in Infectious Diseases*. 2015 [in press].
3. Moemenbellah-Fard MD, **Sarkari B**, Azizi K, Fakoorziba MR, Mohammadi J, Amin M. Faunal distribution of fleas and their blood-feeding preferences using enzyme-linked immunosorbent assays from farm animals and human shelters in a new rural region of southern Iran. *J Parasit Dis*, 2015 [in press].
4. Foroughi-Parvar F, Hatam GR, **Sarkari B**, Kamali-Sarvestani E. *Leishmania infantum* FML pulsed-dendritic cells induce a protective immune response in murine visceral leishmaniasis. *Immunotherapy*. 2015 Jan;7(1):3-12.
5. **Sarkari B**, Asgari Q, Bagherian N, Ashkani Esfahani S, Kalantari M, Mohammadpour I, Ashrafmansori M, Amerinia M, Sabet Sarvestani F. Molecular and Serological Evaluation of *Toxoplasma gondii* Infection in Reared Turkeys in Fars Province, Iran. *Jundishapur J Microbiol*. 2014 Jul;7(7):e11598.
6. **Sarkari B**, Ashrafmansouri M, Hatam G, Habibi P, Abdolahi Khabisi S. Performance of an ELISA and indirect immunofluorescence assay in serological diagnosis of zoonotic cutaneous leishmaniasis in Iran. *Interdiscip Perspect Infect Dis*. 2014; 2014:5051344.
7. **Sarkari B**, Qasem A, Shafaf MR. Knowledge, attitude, and practices related to cutaneous leishmaniasis in an endemic focus of cutaneous leishmaniasis, Southern Iran. *Asian Pac J Trop Biomed*. 2014 Jul;4(7):566-9.
8. **Sarkari B**, Shafiei R, Zare M, Sohrabpour S, Kasraian L. Seroprevalence and molecular diagnosis of *Toxoplasma gondii* infection among blood donors in southern Iran. *J Infect Dev Ctries*. 2014 Apr 15;8(4):543-7.
9. **Sarkari B**, Lari M, Shafiei R, Sadjjadi SM. Comparative seroprevalence study of toxocariasis in hypereosinophilic and apparently healthy individuals. *Arch Pediatr Infect Dis*, 2014, 3(3), e17911A.
10. Shafiei R, **Sarkari B**, Moshfe A. A Consistent PCR-RFLP Assay Based on ITS-2 Ribosomal DNA for Differentiation of *Fasciola* Species. *Iran J Basic Med Sci*. 2013 Dec; 16(12):1266-9.

11. Khanaliha K, Motazedian MH, Kazemi B, **Sarkari (Shahriari) B**, Bandehpour M, Sharifniya Z. Evaluation of Recombinant SAG1, SAG2, and SAG3 Antigens for Serodiagnosis of Toxoplasmosis. *Korean J Parasitol*. 2014 Apr;52(2):137-42.
  12. Mohammadzadeh T, Hatam G, Kalantari M, **Sarkari B**, Motazedian MH, Sadjjadi SM, Safari R. Molecular and Microscopic-Based Characterization of Plasmodium spp. in Fars and Hormozgan Provinces, South of Iran. *J Trop Med*. 2014;2014:935469.
  13. **Sarkari B**, Biranvand E, Sadjjadi SM, Rahimi HR. Genetic Variability of Antigen B2 of human, Sheep, Goats, Camel and Cattle Isolates of Echinococcus granulosus in Iran. *Iranian J Parasitol*, 8 (4), Oct -Dec 2013.
1. **Sarkari B**, Gadami F, Shafiei R, Motazedian MH, Sedaghat F, Kasraian L, Tavasoli AR, Zarnegar G, Nikmanesh Y, Davami MH. Seroprevalence of Leishmania infection among the healthy blood donors in kala-azar endemic areas of Iran. *J Parasit Dis*, 2013, DOI 10.1007/s12639-013-0393-3.
  2. Azizi K, Badzohreh A, **Sarkari B**, Fakoorziba MR, Kalantari M, Moemenbellah-Fard MD, Ali-Akbarpour M. Nested polymerase chain reaction and sequence- based detection of leishmania infection of sand flies in recently emerged endemic focus of zoonotic cutaneous leishmaniasis, southern iran. *Iran J Med Sci*. 2013 Jun;38(2 Suppl):156-62.
  3. **Sarkari B**, Asgari Q, Mirzaei S. Evaluation of Immunohistochemistry and PCR in Diagnosis of Toxoplasma Infection in Tissues of Human Aborted Fetuses. *Zahedan J Res Med Sci (ZJRMS)* 2013; 15(12): 42.
  4. Asgari Q, **Sarkari B**, Amerinia M, Panahi S, Mohammadpour I. Toxoplasma Infection in Farm Animals: A Seroepidemiological Survey in Fars Province, South of Iran Jundishapur J Microbiol, 2013, 6 (3), 269-72.
  5. Asgari Q, Fekri M, Monabati A, Kalantary M, Mohammadpour I, Motazedian MH, **Sarkari B**. Molecular Genotyping of Toxoplasma gondii in Human Spontaneous Aborted Fetuses in Shiraz, Southern Iran. *Iran J Public Health*. 2013, 1; 42(6):620-5.
  6. Khosravani A, **Sarkari B**, Negahban H, Sharifi A, Toori MA, Eilami O. Hepatitis B Infection among high risk population: a seroepidemiological survey in Southwest of Iran. *BMC Infect Dis*. 2012, 27; 12:378.
  7. Khanaliha K, Motazedian M, **Sarkari B**, Bandehpour M, Sharifnia Z, Kazemi B. Expression and Purification of P43 Toxoplasma gondii Surface Antigen. *Iran J Parasitol*. 2012;7(3):48-53.
  8. Mohammadzadeh T, Sadjjadi S, Habibi P, **Sarkari B**. Comparison of Agar Dilution, Broth Dilution, Cylinder Plate and Disk Diffusion Methods for Evaluation of Anti-leishmanial Drugs on Leishmania promastigotes. *Iran J Parasitol*. 2012;7(3):43-7.

9. **Sarkari B**, Ashrafmansori A, Hatam GR, Motazedian MH, Asgari Q, and Mohammadpour I. Genotyping of *Giardia lamblia* isolates from human in southern Iran. *Tropical Biomedicine*, 2012, 29(3): 366–371.
10. **Sarkari B**, Hatam G, Ghatee MA. Epidemiological features of visceral leishmaniasis in Fars province, southern Iran. *Iranian J Publ Health*, 2012; 41(4):94-99.
11. **Sarkari B**, Ghobakhloo N, Moshfeaa AA, Eilami O. Seroprevalence of human fasciolosis in a new-emerging focus of fasciolosis in Yasuj district, southwest of Iran. *Iranian J Parasitol*: 2012; 6(2): 15-20.
12. Mohammadzadeh T, Sako Y, Sadjjadi SM, **Sarkari B**, Ito A. Comparison of the usefulness of hydatid cyst fluid, native antigen B and recombinant antigen B8/1 for serological diagnosis of cystic echinococcosis. *Trans R Soc Trop Med Hyg*. 2012 Jun;106(6):371-5.
13. **Sarkari B**, Eilami O, Khosravani A, Sharifi A, Tabatabaee M, Fararouei M. High prevalence of hepatitis C infection among high risk groups in Kohgiluyeh and Boyerahmad Province, Southwest Iran. *Arch Iran Med*. 2012;15(5):271-4.
14. Rahimi H, Sadjjadi S, **Sarkari B**. Performance of antigen B isolated from different hosts and cyst locations in diagnosis of cystic echinococcosis. *Iran J Parasitol*. 2011 Mar;6(1):12-9.
15. Mohammadi-Ghalehbin B, Hatam GR, **Sarkari B**, Mohebbali M, Zare Z, Jaberipour M, Bohlouli S. A *Leishmania infantum* FML-ELISA for the Detection of Symptomatic and Asymptomatic Canine Visceral Leishmaniasis in an Endemic Area of Iran. *Iran J Immunol*. 2011 Dec;8(4):244-50.
16. Rahimi HR, **Sarkari B**, Mohammadzadeh T, Sadjjadi SM. Immune responses to antigens of in vitro reared *Echinococcus granulosus* adult worms in Balb/c mice. *Iran J Immunol*. 2011;8(4):236-43.
17. Pourmohammadi B, Motazedian MH, Handjani F, Hatam GH, Habibi S, **Sarkari B**. Glucantime efficacy in the treatment of zoonotic cutaneous leishmaniasis. *Southeast Asian J Trop Med Public Health*. 2011 May;42(3):502-8.
18. Rezanezhad H, Menegon M, **Sarkari B**, Hatam GR, Severini C. Characterization of the metacaspase 1 gene in *Plasmodium vivax* field isolates from southern Iran and Italian imported cases. *Acta Trop*. 2011 Jul;119(1):57-60. Epub 2011 Apr 16.
19. Sedaghat F, Sadjjadi SM, Hosseini SV, Kazemian S, **Sarkari B**. Evaluation of a simple Dot-ELISA in comparison with countercurrent immunoelectrophoresis for diagnosis of human hydatidosis. *Clin Lab*. 2011;57(3-4):201-5.

20. **Sarkari B**, Pedram N, Mohebali M, Moshfe AA, Zargar MA, Akhoundi B, Shirzadi MR. Seroepidemiological study of visceral leishmaniasis in Booyerahmad district, south-west Islamic Republic of Iran. *East Mediterr Health J*. 2010 Nov;16(11):1133-6.
21. Ilami O, **Sarkari B**, Khosravani A, Tori MA, Hosseini Z. HIV seroprevalence among high-risk groups in Kohgiluyeh and Boyerahmad Province, Southwest of Iran, a behavioral surveillance survey. *AIDS Behav*. 2012 Jan;16(1):86-90.
22. Pourmohammadi B, Motazedian M, Hatam G, Kalantari M, Habibi P, **Sarkari B**. Comparison of three methods for diagnosis of cutaneous leishmaniasis. *Iran J Parasitol*. 2010 Dec;5(4):1-8.
23. **Sarkari B**, Sadjjadi, S.M., Beheshtian M.M., Aghaee, M., Sedaghat, F. Human cystic echinococcosis in Yasuj district in southwest of Iran: an epidemiological study of seroprevalence and surgical cases over a ten-year period. *Zoonoses and Public Health*, 2010; 57(2):146-50.
24. Asgari Q, Sarnevesht J, Kalantari M, Sadat SJ, Motazedian MH, **Sarkari B**. Molecular survey of *Toxoplasma* infection in sheep and goat from Fars province, Southern Iran. *Trop Anim Health Prod*. 2011; 43(2):389-92.
25. Davami MH, Motazedian MH, **Sarkari B**. Changing in the profile of leishmaniasis in a focus of cutaneous leishmaniasis in Jahrom, south of Iran. *Annals of Tropical Medicine & Parasitology*, 2010; 104(5):377-82.
26. Zibaei M, Sadjjadi SM, Ishiyama S, **Sarkari B**, Uga S. Production of monoclonal antibody against *Toxocara cati* second-stage larvae and its application for the detection of circulating antigens. *Hybridoma (Larchmt)*. 2010 Jun; 29(3):217-20.
27. Hatam, GR, Adnani, Asgari, Q, Fallah E, Motazedian MH, Sadjjadi, SM, **Sarkari B**. First report of natural infection of cats with *Leishmania infantum* in Iran. *Vector-Borne and Zoonotic Diseases*, 2010;10(3):313-6.
28. Hatam, G R, Rezanezhad H, Motazedian, M H, **Sarkari B**. In Vitro Infectivity of *Leishmania major* Isolated from Patients with Different Clinical Forms of Cutaneous Leishmaniasis and Its Association with Parasite Zymodemes *Iranian J Parasitol*: Vol. 4, No.3, 2009, pp. 52-60.
29. Ghatei MA, Hatam GR, Hossini MH, **Sarkari B**. Performance of latex agglutination test (KAtex) in diagnosis of visceral leishmaniasis in Iran. *Iran J Immunol*. 2009;6(4):202-7.

30. Sadjjadi SM, Sedaghat F, Hosseini SV, **Sarkari B**. Serum antigen and antibody detection in echinococcosis: application in serodiagnosis of human hydatidosis. *Korean J Parasitol*. 2009 Jun;47(2):153-7
31. **Sarkari B**, Hatam GR, Adnai SJ, Asgari. Seroprevalence of feline leishmaniasis in areas of Iran where *Leishmania infantum* is endemic. *Annals of Tropical Medicine & Parasitology*, 2009; 103 (3): 275–277.
32. Zibae M, Sadjjadi SM, **Sarkari B**, Oryan A, Uga S. In vitro cultivation of *Toxocara cati* adult worms for production of eggs and evaluation of oviposition. *Helminthologia*, 2009; 46(1):28 -30.
33. Hatam GR, Ghatee MA, Hossini SMH, **Sarkari B**. Improvement of the newly developed latex agglutination test (katex) for diagnosis of visceral leishmaniasis. *Journal of Clinical Laboratory Analysis* 2009;23(4):202-5.
34. **Sarkari B.**, Hatam, G.R., Mikaeili, F., Sadeghi, H. & Ebrahimi, S. A comparative study of antigen and antibody detection in visceral leishmaniasis using serum and urine-based ELISA *Tropical Biomedicine*, 2008, 25(2): 96–99.
35. Najafizadeh M, Farhadi N, **Sarkari B**. Role of HLA-B7, B8, B27, and B51 in protection against hepatitis B virus infection. *Iran J Med Sci* 2008; 33(4): 239-242.
36. Habibi P, Sadjjadi SM, Owji M , Moattari A, **Sarkari B**, Naghibalhosseini F, Hatam GR, Kazemian S. Characterization of in Vitro Cultivated Amastigote like of *Leishmania major*: A Substitution for in Vivo Studies. *Iranian J Parasitol*: Vol.3, No.1, 2008, pp. 6-15.
37. Hatam GR, Mikaeili F, Sadjjadi SM1, **Sarkari B**. Direct agglutination test and enzyme linked immunosorbent assay with urine samples for the diagnosis of visceral leishmaniasis. *Iranian J Parasitol*, 2007;2(3):24-28.
38. Sadjjadi SM, Abidi H, Izadpanah A and **Sarkari B**, Kazemian S. Evaluation of enzyme linked immunosorbent assay, utilizing native antigen B for serodiagnosis of human hydatidosis. *Iran J Immunol*, 2007; 4(3): 167-172.
39. **Sarkari B**, Sadjjadi SM, Abidi H, Izadpanah A, Kazemian S, Rafati A. Application of western blotting using native antigen b for serodiagnosis of human cystic echinococcosis. *Iranian J Parasitol*, 2007; 2(3):7-12.
40. Ebrahimi S, Jamshidnejad E, Dabiri N, and **Sarkari B**. Efficacy of 10% silver nitrate solution in treatment of common warts, a placebo-controlled randomized clinical trial. *International journal of dermatology*, 2007, 46: 215–217.

41. Najafizadeh M, Farhadi N, **Sarkari B**. Th1 cytokine profiles in hepatitis C virus infected patients and their contribution to inflammatory responses. *Shiraz E Medical Journal*, 2007, 8 (1): 22-27.
42. Zibaei M, Sadjjadi SM, Jahadi Hosseini SH, **Sarkari B**. A method for accelerating the maturation of *Toxocara cati* eggs, *Iranian J Parasitol: Vol.2, No.1, 2007, pp.39-42*.
43. Ebrahimi S, **Sarkari B**. Comparative Efficacy of Dexamethasone versus hydrocortisone in acute pediatric asthma. *Iran J Allergy Asthma Immunol* 2007; 6(2): 101-102.
44. Zibaei M, Sadjjadi SM, Jahadi Hosseini SH, **Sarkari B**. Prevalence of *Toxocara cati* and other intestinal helminths in stray cats in Shiraz, Iran. *Tropical Biomedicine journal*, 2007 24(2): 39–43.
45. Mikaeili F, Fakhar M, **Sarkari B**, Motazedian MH, Hatam GR. Comparison of serological methods (ELISA, DAT and IFA) for diagnosis of visceral leishmaniasis utilizing an endemic strain. *Iran J Immunol*, 2007; 4(2): 116-121.
46. Hatam GR, Khorami HR, Sahebani N, **Sarkari B**. Evaluation of enzyme linked immunosorbent assay (ELISA) and dot ELISA for diagnosis of amoebiasis. *Shiraz E Medical Journal*, 2007, 8 (3): 132-137.
47. **Sarkari B**, Chance ML, and Hommel M. Antigenuria in visceral leishmaniasis: detection and partial characterization of a carbohydrate antigen. *Acta Tropica*, 2002, 82: 339–348.
48. **Sarkari B**, Chance ML and Hommel M. A capture ELISA for the diagnosis of visceral leishmaniasis using a monoclonal antibody against a leishmanial urinary antigen. *Iranian Biomedical Journal*, 2005, 9 (3): 117-122.
49. Mirjalili A, **Sarkari B**. Isolation of infective promastigotes of *Leishmania major* from long-term culture by cocultivation with macrophage cell-line. *Biologicals* 2005, 33: 257-260
50. Mirjalili A, Parmoor E, Moradi Bidhendi S, and **Sarkari B**. Microbial contamination of cell cultures; a 2 years study. *Biologicals*, 2005, 33: 81-85.
51. **Sarkari B**, Chance ML, and Hommel M. Detection of antigen in visceral leishmaniasis. *Scandinavian Journal of Immunology*, 2001, 54, supplement 1, July-August, P 127.
52. Hommel M, **Sarkari B**, Carney J, and Chance ML. Katex for the diagnosis of human visceral leishmaniasis. *Med Trop*, 2001, 61(6): 503-5.

53. **Sarkari B**, Chance ML, and Hommel M. Characterisation of urinary antigens in visceral leishmaniasis. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, 2000, 94: p 134.
54. **Sarkari B**, Fakhar M, Hatam GR, Motazedian MH, Ebrahimi S, Kalantari M and Rezanejad H. Characterization of Leishmania parasites isolated from Kala azar patients in Kohgiluyeh and BoyerAhmad, using semi-nested PCR. *Armaghan Danesh, Journal of Yasuj University of medical sciences*, 2006, 11, 1, 27-33.
55. **Sarkari B**, Zargar M, Mohammadi R, Askarian S. Prevalence of hepatitis B antibodies in health-care workers in Yasuj/Iran hospitals. *Journal of Clinical Virology* 2006, 36: (suppl 2), 206.
56. **Sarkari B**, Rezanejad H, Hatam GR, Motazedian MH, and Mirjalili A. An in vitro study on virulence of *Leishmania* parasite isolated from cutaneous leishmaniasis patients. *Armaghan Danesh, Journal of Yasuj university of medical sciences*, 2006, 10 (3), 39: 17-24.
57. **Sarkari B**. Parasitic infections of vegetables in Yasuj city. *Journal of Yasuj university of medical sciences*, 1376, 3, p 15-18.
58. **Sarkari B**, Zargar MA., Mohammadi R., Askarian S. Prevalence of hepatitis B antibodies in health-care workers in Yasuj hospitals. *Armaghan Danesh, Journal of Yasuj University of medical sciences*, 1385; 11(4):98-106.
59. **Sarkari B**, Tadayon H, Askarian SH, Farnia E, Askarian M. In Vitro anti-*Trichomonas* activity of *Freula assafoetida* and garlic extracts. *Journal of Gorgan University of Medical Sciences*, 2009; 11(3): 13-17.
60. Khalili B, Shahabi GH, Khayeri S, **Sarkari B**, Khalili M, Samadzadeh M. Prevalence of Cryptosporidium and Risk Factors Related to Cryptosporidiosis in Hospitalized Children under 5 Years of Age Due to Diarrhea (Shahrekord- 2005). *Armaghan Danesh, Journal of Yasuj University of Medical Sciences*, 1386; 47:106-116.
61. **Sarkari B**, Naghmachi M, Azimi S, Vaezi M, Ebrahimi S Human Cystic Echinococcosis in Yasuj: A Survey of Ten Year Hospital Records. *Armaghan Danesh, Journal of Yasuj University of Medical Sciences*, 1386; 47:127-134.