

In The Name of God
Curriculum Vitae (CV)



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Nationality: Iranian
1963

Date of Birth: 2 June

Marital Status: Single

Position: Research Associate

Education:

- D.M.L.T (1994): Tehran University of Medical Science, Tehran ,Iran

-High Diploma in Medical Laboratory Techniques (1986): Shiraz University of Medical Science, Shiraz, Iran .

Teaching Courses:

- Teaching of Biochemistry, Undergraduate for five years in Pasteur Institute.

Technical Skills:

- Globin Chains Synthesis
- PCR
- Performing all diagnostic medical laboratory tests

Membership in Scientific Organizations:

-Member of Iranian society of Doctorate of laboratory Science

Field of research interest

Malaria

Thalassemia

MicroRNA

Language skills: English

Publications:

- Parvazi S, Sadeghi S, Azadi M, Mohammadi M, Arjmand M, Vahabi F, Sadeghzadeh S, Zamani Z. ,The Effect of Aqueous Extract of Cinnamon on the Metabolome of Plasmodium falciparum Using (1)HNMR Spectroscopy. J Trop Med. 2016;2016:3174841. doi: 10.1155/2016/3174841. Epub 2016 Jan 20.

- Zamani Z, Ghanei M, Panahi Y, Arjmand M, Sadeghi S, Mirkhani F, Parvin S, Salehi M, Sahebkar A, Vahabi F ,Serum Metabolomic Profiling of Sulphur Mustard-Exposed Individuals Using (1) HNuclear Magnetic Resonance Spectroscopy. BasicClinPharmacolToxicol. 2016 Jan;118(1):77-82. doi: 10.1111/bcpt.12441. Epub 2015 Jul 31.PMID:26177671.

- Parvizzadeh N, Sadeghi S, Irani S, Irvani A, Kalayee Z, Rahimi NA, Azadi M, Zamani Z .A Metabonomic Study of the Effect of Methanol Extract of Ginger on Raji Cells Using (1)HNMR Spectroscopy. Biotechnol Res Int. 2014;2014:572534. doi: 10.1155/2014/572534. Epub 2014 Dec 28.PMID:25610655.

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- Khatami S, Najmabadi H, Rouhi S, Mirzazadeh R, Bayat P, Sadeghi S, Preliminary Identification of Hemoglobin Q-Iran in an Iranian Family from Central province of Iran by Globin Chain Analysis on HPLC.Arch Iran Med 2013;16(12): 739-740. PMID:24329149[PubMed - indexed for MEDLINE]

- Fereshteh Maryami, Reza Mahdian, Somayeh Jamali, Mohsen Karimi Arzanian, Shohreh Katami, Fahimeh Maryami, Parastou Bayat, Sedigheh Sadeghi, Morteza Karimipour, Sirous Zeinal.Comparisons between RT-PCR, Real-time PCR and in vitro Globin Chain Synthesis by α / β ratio calculation for diagnosis of α - from β - thalassemia carriers, Arch Iranian Med 2013: 16(4) : 217-220 PMID:23496364[PubMed - indexed for MEDLINE]

- Zahra Zamani, Nassir-Ud-Din, Haleemeh Kabini Kohan, Mehdi Kadivar, Zahra Kalyee, Behnaz Laame Rad, Ayda Irvani, Nourooz Ali Rahimi, Farideh wahabi, Sedigheh Sadeghi, Fatemeh Pourfallah, Mohammad Arjmand. Effect of Ginger Extract on Glycoproteins of Raji cells, Pakistan Journal of Biological Sciences, 2013

- Zahra Zamani, Alireza Sadeghi Tafreshi, Hossein Nahrevanian, Behzad Lame Rad, Fatemeh Pourfallah, Hossein Eslamifar, Sedigheh Sadeghi, Farideh Wahabi, Ayda Irvan, Mohammad Arjmand, Efficacy of Eosin B as a new Antimalaria Drug in a Murine Model. Malaria Research and Treatment, Nov 27, 2012:381724 PMID:23365788[PubMed]

- Pourfallah F, Javadian S, Zamani Z, Saghiri R, Sadeghi S, Zarea B, Mirkhani F, Fatemi N, Kordi T. Evaluation of serum levels of essential trace elements in patients with pulmonary tuberculosis before and after treatment by age and gender. Pak J Biol Sci. 2011 May 15;14(10):590-4

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- F Pourfallah, S Javadian, Z Zamani, R Saghiri, S Sadeghi, B Zarei, Sh Faiaz, F Mirkhani, N Fatemi, Evaluation of Serum Levels of Zinc, Copper, Iron, and Zinc/Copper Ratio in Cutaneous Leshmaniasis. Iranian J Anthropol- Borne Dis, (2009),3(2): 7-11.

- Zahra Zamani, Mohammad Reza Razavi, Sedigheh Sadeghi, Saeed, Naddaf, Fatemeh Pourfallah, Mohammad Arjmand, Hossein Nezhaddad, Mina Ebrahimi Rad, Marzieh Tamimi and Mahdi Assmar. Sequence diversity of the C- terminal region of Plasmodium falciparum merozoite surface protein 1 in southern Iran, SEQUENCE ANALYSIS OF C-TERMINAL of Pf MSP-1 ,VOL 40 NO.1 JAN 2009

- Meshkani R, Taghikhani M, Larijani B, Bahrami Y, Khatami S, Khoshbin E, Ghaemi A, Sadeghi S, Mirkhani F, Molapour A, Adeli K. Pro12Ala polymorphism of the peroxisome proliferator-activated receptor-gamma2 (PPARgamma-2) gene is associated with greater insulin sensitivity and decreased risk of type 2 diabetes in an Iranian population. Clin Chem Lab Med. 45:477-82 (2007).

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- Khatami S, Dehboneh SR, Sadeghi S, Mirzazadeh R, Saeedi P, Bayat P, Najmabadi H, Zeinali S, Akbari MT, rdjmand M, Amirkhani A. Globin chain synthesis is a useful complementary tool in the differential diagnosis of thalassemias. *Hemoglobin*. 31:333-41. (2007).
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Oral & poster Presentations

- Differentiation of colon cancer staging using ¹HNM. 3rd Congress of novel and innovative laboratory techniques. 2015.
- Preparation of supplement for cell culture medium from bovine serum I, 3rd Congress of novel and innovative laboratory techniques. 2015.
- Effect of Aoevera extract on etabonomics of Raji cells by the use of ¹HNMR spectroscopy. 2015
- A study of the effect of Eosin B and artemisinin on metabolomics of ring stage of *Plasmodium falciparum in vitro* with the help of ¹HNMR. 3rd Congress of novel and innovative laboratory techniques. 2015.
- A study of metabolic effect of cinnamon extract on cancer cells lymphoma by ¹HNMR. 3rd Congress of novel and innovative laboratory techniques. 2015.
- An *in vivo* study of combination therapy of Eosin B and artemisinin on *Plasmodium berghei* in mice., 16th International and Iranian Congress of Microbiology. 2015
- A metabolomics study of effect of combination therapy of eosin B and artemisinin on sera of mice infected *in vivo* using ¹HNMR spectroscopy. 16th International and Iranian Congress of Microbiology. 2015
- Metabolome profiling of ulcerative colitis by ¹HNMR spectroscopy. 6th International Iranian congress laboratory and clinic. 2014.
- S. Sadeghi, F. Pourfallah, H. Feiz Haddad, M. Khalili, A. Iravani, M. Arjmand, F. Vahabi, P. Bayat and Z. Zamani. Extraction of glycoprotein of AMA1 Antigen from *Plasmodium falciparum*. The 21st Iranian congress on infectious disease and tropical medicine, 12-23 Jan. 2013, Tehran- Iran.

- F.Pourfallah, S.Sadeghi, H.Feiz Haddad, S.Tajik, , A.Iravani, M.Arjmand, F.Vahabi, P.Bayat and Z.Zamani . Plasmodium falciparum and its C-terminal from invitro culture MSP1protein characterization. The 21st Iranian congress on infectious disease and tropical medicine, 12-23 Jan. 2013, Tehran- Iran.
- A.Iravani, Z.Zamani,A.Sadeghi Tafreshi, M.Arjmand, S.Sadeghi, F.Pourfallah and F.Vahabi. A new drug tested against anti Murine malaria. The 21st Iranian congress on infectious disease and tropical medicine, 12-23 Jan. 2013, Tehran- Iran
- Azadi M, Zamani Z, Rhimi NA, Arjmand M, Iravani A, Amanzadeh A, Kadivar M, Wahabi F, Sadeghi S, Mirzai S, Metabonomics Assesment of Clove Extract on Lymphoma Cell in vitro by 1HNMR Spectroscopy. 4th Iranian Biennial Chemometrics Seminar, 27-28 Novamber 2013,Shiraz University, Shiraz, Iran.
- Iravani A, Zamani Z, Sadeghi S, Wahabi F, Arjmand M, Eshagh Hoseini M, Haj Agha Babai L, Fazeli A, Oghalai M, Hah Hoseini H, Diagnosis of Polyps, One of the Gastrointestinal Diseases by 1HNMR Spectroscopy. 4th Iranian Biennial Chemometrics Seminar, 27-28 Novamber 2013,Shiraz University, Shiraz, Iran
- Sadeghi S, Iravani A, Zamani Z,Pourfallah F, Arjmand M, Wahabi F, Eshagh Hoseini M, Haj Agha Babai L. Metabolom Profiling of Ulcerative Colitis by 1HNMR Spectroscopy. 6thInternational Iranian Congress Laboratory& Clinic. 12-14 Feb 2013.Tehran. Iran
- M.Latifimehr, A.Iravani, F.Pourfallah, S.Sadeghi, M.Arjmand, F.Wahabi, H.Aryanpour, M.Kadivar, Z.Kalaiee, A.Bigdeli, Z.Zamani. A Metabonomic Study of the effect of Turmeric Extract on Raji Cella in vitro. 13th ICB& 5th ICBMB, 16-18 april 2013, Yazd-Iran.
- N.parvizzadeh, A.Iravani, Z.Kalaiee, S.Sadeghi, Z.Zamani, NA.Rhimi, Metabolic Profiling study of Ginger (Zingiber Officinale) extract on Raji Cells by 1HNMR Spectroscopy. 13th ICB& 5th ICBMB, 16-18, April 2013, Yazd-Iran.
- Samaneh Golesorkhi, Mohammad Arjmand, Zahra Zamani, Fatemeh Pourfallah, Norouzali Rahimi, Sedigheh Sadeghi, Mohammad Khosroshahi, Ayda Iravan and Ziba Akbari, Action of Artemisia annua extract on Plasmodium falciparum: Metabolome profiling by 1HNMR spectroscopy. International Congress on Malaria Elimination, 25-27 jan. 2012, Kish Iland, Hormozgan, Iran .
- Sahar Tajik, Mitra Khalili, Fatemeh Pourfallah, Sedigheh Sadeghi, Ayda Iravan, Behrokh Farahmand, Samaneh Montazeri, Mohammad Arjmand, Farideh Vahabi, Hosein Feize Haddad, Behnaze lame Rad and Zahra Zamani, Characterization of glycoproteins of native C-terminal merozoite surface protein1 antigen from in vitro culture of Plasmodium falciparum, International Congress on Malaria Elimination, 25-27 jan. 2012, Kish Iland, Hormozgan, Iran .

- Mitra Khalili, Sahar Tajik, Fatemeh Pourfallah, Sedigheh Sadeghi, Ayda Irvani, Behrokh Farahmand, Samaneh Montazeri, Mohammad Arjmand, Farideh Vahabi, Hossein Feiz Haddad, Behnazeh Lameh Rad and Zahra Zamani, Characterization of glycoproteins of native AMA1 antigen from Plasmodium falciparum cultured in vitro. International Congress on Malaria Elimination, 25-27 Jan. 2012, Kish Island, Hormozgan, Iran

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- M Arjmand, A Ayshi, Z Zamani, A Movahed, Z Akbari, H Daryani, R Hajhoushiani, S Sadeghi, F Nazgooei, M Taghikhani, Metabonomics based assessment of diabetes type 2 with HNMR spectroscopy and artificial neural network modeling. 4th International Diabetes Update Congress, 2012, Tehran-Iran.

- F.Pourfallah, S.Javadian, R.Saghiri, S.Sadeghi, T.Kordi, Detection of Some Anions in the Drinking Groundwater around Tehran in Fall and Winter. The 6th National Conference & Exhibition on Environmental Engineering, 2012-Tehran-Iran.

- F.Pourfallah, S.Javadian, Z.Zamani, R.Saghiri, S.Sadeghi, N.Fatemi, S.Faiaz, R.Ahadi, S.kordi, T.Kordi, A study of some anions in drinking groundwater around Tehran, Vth World Aqua Congress, 16-18, November, 2011, New Delhi, India.

- N.parvizzadeh, A.Irvani, Z.Kalaiee, S.Sadeghi, Z.Zaman . A Metabonomics study on effect of Ginger(Zingiber Officinatum) extract on Raji cells by 1HNMR spectroscopy, 1st Congress of Cancer and Prevention, 7-8 Dec, 2011. Tehran – Iran.

- Zahra Zamani, Alireza Sadeghi Tafreshi, Hossein Nahrevanian, Mohammad Arjmand, Behzad Lameh-Rad, Sedigheh Sadeghi, Fatemeh Mirkhani, Ali Eslamifar, Fatemeh Pourfallah, Ayda Irvani, Farideh Vahabi, Eosin B Tested as a New Anti-malaria Drug against Murine Malaria, International Scientific Meeting “ Recent Development in Malaria Research”, India, December 1-3, 2010.

- Zahra Zamani, Alireza Sadeghi Tafreshi, Hossein Nahrevanian, Mohammad Arjmand, Behzad Lameh-Rad, Sedigheh Sadeghi, Fatemeh Mirkhani, Ali

Eslamifar, Fatemeh Pourfallah, Ayda Iravani, Farideh Vahabi, A new anti-malarial drug against murine malaria, Annual Scientific Meeting, Institute Pasteur International Network, Hong Kong, 22-23 November, 2010.

- Dr. Zahra Zamani, Mahsheed Mehrabanfar, Dr. Arjmand, Dr. Haji Hosseini Baghdadi, Dr. Hossain Eshagh Hossaini, Dr. Sedigheh Sadeghi, Dr. Fatemeh Pourfallah, Dr. Farideh Vahabi, Fatemeh Mirkhani, Parastoo Byat, Aida Iravani, Marzieh Tamimi, Detection of colon cancer using ¹H NMR spectroscopy on serum samples using pattern recognition, The 3rd Iranian Proteomics Congress, Pasteur Institute of Iran, 26-27 May 2010.

- Arjmand, M. Zamani, Z. Sadeghi, S. Vasighi, M. Javadian, S. Pourfallah, F. Akbari, Iravani, A. Parvizzadeh, N. Mohabati, R. Nazgooei, F. Comprehensive metabonomic study of malaria parasite Plasmodium falciparum by nuclear magnetic resonance spectroscopy, METABOLOMICS 2010, 27 June-1 July, 2010, AMSTERDAM RAI THE NETHERLANDS.

- Fatemeh Pourfallah, Seifedine Javadian, Sedigheh Sadeghi, Bahareh Zarea, Narges Fatemi, Fatemeh Mirkhani, Robab Ahadi, Reza Hajhosseni, Zeinab Safarei, Serum Levels of Zinc, Copper, Iron and Copper /Zinc Ratio in Patients with Pulmonary Tuberculosis Before and After Treatment, The 12th Asian – Pacific Congress of Clinical, Biochemistry October 3-7, 2010 Coex Convention Center, Seoul, Korea.

- M. Arjmand, T. Nikravesh, M. Vasigh, M. K. Rofoei, A. Movahed, S. Sadeghi, P. Saidi, N. Parviz zadeh, M. Company, F. Nazgooei, Determining the risk of Coronary Heart Diseases (CHD) by using ¹H NMR spectra of plasma lipoproteins with pattern recognition techniques. 10th Iranian Congress of Biochemistry and 3rd International Congress of Biochemistry and Molecular Biology 16-19 November 2009, Tehran-Iran.