

## CURRICULUM VITAE

**Name:** Reza  
**Surname:** Saghiri  
**Date & Place of Birth:** 1958, Tehran, Iran  
**Material Status:** married  
**Gender:** Male  
**Nationality:** Iranian

### Communication Address:

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**Position:** Assistant Professor

**Language:** English

### Qualification:

Doctor of Veterinary Medicine (D.V.M.)

Medical Biochemistry (Ph.D.)

### **Training and Workshops attended:**

- 1- Congress of Biochemistry, Tehran University, Tehran 1993.
- 2- Congress of Blood and related diseases, Tehran 1994.
- 3- Workshop of DNA-Protein interactions, Pasteur Institute of Iran, Tehran 1994.
- 4- Congress of AIDS, Tehran 1994.
- 5- Congress of Biochemistry, Tehran University of Medical Sciences, Tehran, Iran 1995.
- 6- Congress of Blood and related diseases, Pasteur Institute, Iran 1996.
- 7- Congress of Applied Clinical Derivative Plasma, Tehran Iran 1996.
- 8- Congress of Thalassemia and Laboratory, Tehran, Iran 1996.
- 9- The Second Congress of Clinical Biochemistry, Tehran, Iran 1996.
- 10- Second International Biennial Conference of Pakistan Society for Microbiology, Pakistan 1997.
- 11- 5<sup>th</sup> Annual Meeting East Fertility Society Amman-Jordan 1998.
- 12- 4<sup>th</sup> International Symposium on Human reproduction and Genetics, Lebanon Beirut 1999.
- 13- B cell and Immunity, European Science Foundation, Italy 2001.
- 14- *Leishmania major* genome sequencing network EU final meeting, Trieste, Italy 8-10 Sept. 2001.
- 15- 16<sup>th</sup> International Symposium of Fibrinolysis and Proteolysis (ISFP) 8-13 Sept. Munich-Germany, 2002.
- 16- B-Cells in Health and Disease, Euresco Conferences, Italy 2003

17. ELSO 2004, Nice, France, 4-8 September
18. ELSO 2005, Dresden, Germany, 3-6 September
- 19- Industrial Biotechnology, Pakistan (COMSTECH), 06 – 17 Nov, 2006
- 20- Molecular & Cellular proteomics, Seoul (HUPO), 6-10 oct, 2007

### **Supervisor of projects**

- 1- Isolation and purification of Lysozyme from Egg white.
- 2- Formulation and preparation of Amino Acids (infusion 5%, 10%)
- 3- Isolation and purification of  $\beta$ -lactamase from *Bacillus licheniformis* is (749/c).
- 4- The analysis of Adenosine deaminase (ADA) enzyme and its isoenzymes levels in the serum of the patients with Immunodeficiency disease and Rheumatoid Arthritis individually, comparing to that of the normal group.
- 5-Evaluation of Adenosine Deaminase and its isoenzymes activity in the patients with systemic Lupus Erythmatosus(SLE) ,comparing to that of normal group.

### **Supervisor on Student Theses**

- 1- The survey of production of Enzyme Xylose Isomerase in Laboratory.
- 2- Purification of Antigen *Pneumocystis carini* from Rat.
- 3-Production of Extracellular Alkaline Protease; Parametric study of production in Laboratory Scale from *Bacillus Licheniformis* (PTCC 1525)
- 4- Isolation and purification of Lp (a) from Human Plasma.

5-Multidrug Resistance Related Gene and protein Expression in a Human Breast Carcinoma T47D cells selected for adriamycin

### **Teaching Course**

- Have Taught Advanced and Basic Biochemistry to Ph.D. Students in Pasteur Institute of Iran for 10 years.

### **Research Experience**

- 1-Formulation and preparation of Amino Acids (Infusion 5%, 10%)
- 2- Measuring Serum Proteins.
- 3- The Survey of many factors in men infertility.
- 4- The study of genes AI.AII in Hyperlipoproteinemia.
- 5- Isolation and purification of proteins (Lysozyme, Penicilinase, Xylose Isomerase, antigens of *Pneumocystis carini*, ...)
- 6- Isolation and purification of *Clostridium botulinum* toxins.
- 7- Expert in chromatography methods (Electrophoresis, Purification ...)
- 8- Responsible of Clinical Biochemistry laboratory, Pasteur Institute of Iran.
- 9- Determination of *Mycobacterium tuberculosis* by Thin Layer Chromatography.
- 10- The Survey of coagulase positive & negative *Staphylococci* in Food.
- 11- Familiar with Molecular Biology Methods.
- 12- The Evaluation of Lysozyme in urinary proteins in healthy and chronic renal failure.
- 13-Isolation and purification of lysozyme from Egg White

14-The study of Enzymes of *Leishmania Major* in IRAN.

15-The connection of protein C deficiency with venous cloths

## **Publications:**

1-[Evidence for a KATP Channel in Rough Endoplasmic Reticulum \(rerKATP Channel\) of Rat Hepatocytes.](#)

Salari S, Ghasemi M, Fahanik-Babaei J, Saghiri R, Sauve R, Eliassi A.  
PLoS One. 2015 May 7;10(5):e0125798. doi: 10.1371/journal.pone.0125798. eCollection 2015.

2-[Brain mitochondrial ATP-insensitive large conductance Ca<sup>2+</sup>-activated K<sup>+</sup> channel properties are altered in a rat model of amyloid- \$\beta\$  neurotoxicity.](#)

Jafari A, Noursadeghi E, Khodaghohi F, Saghiri R, Sauve R, Aliaghaei A, Eliassi A.  
Exp Neurol. 2015 Jul;269:8-16. doi: 10.1016/j.expneurol.2014.12.024. Epub 2015 Mar 28.

3-[Cell culture extraction and purification of rabies virus nucleoprotein.](#)

Dastkhosh M, Rahimi P, Haghghat S, Biglari P, Howaizi N, Saghiri R, Roohandeh A.  
Jundishapur J Microbiol. 2014 Sep;7(9):e11734. doi: 10.5812/jjm.11734. Epub 2014 Sep 10.

4-[Impairment of brain mitochondrial charybdotoxin- and ATP-insensitive BK channel activities in diabetes.](#)

Noursadeghi E, Jafari A, Saghiri R, Sauve R, Eliassi A.  
Neuromolecular Med. 2014 Dec;16(4):862-71. doi: 10.1007/s12017-014-8334-6. Epub 2014 Oct 26.

5-[Gating behavior of endoplasmic reticulum potassium channels of rat hepatocytes in 5-diabetes.](#)

Ghasemi M, Khodaei N, Salari S, Eliassi A, **Saghiri R.**  
Iran Biomed J. 2014 Jul;18(3):165-72.

6-[Physico-chemical analysis of drinking groundwater of around Tehran by seasonal variation.](#)

Pourfallah F, Javadian S, Zamani Z, Siadat SD, Sh-Khatami, **Saghiri R.**  
Pak J Biol Sci. 2014 Jan 15;17(2):287-91.

7-[Culture of \*Borrelia persica\* and its flagellar antigen in vitro.](#)

Zamani Z, Arjmand M, Oreiz F, Soleimani M, Hosseini SH, Assmar M, Javadian S, Saghiri R, Pourfallah F.  
Pak J Biol Sci. 2014 Jan 15;17(2):190-7.

8-[Endoplasmic reticulum membrane potassium channel dysfunction in high fat diet induced stress in rat hepatocytes.](#)

Khodae N, Ghasemi M, Saghiri R, Eliassi A.  
EXCLI J. 2014 Sep 9;13:1075-87. eCollection 2014.

9-[Influenza virosome/DNA vaccine complex as a new formulation to induce intra-subtypic protection against influenza virus challenge.](#)

Kheiri MT, Jamali A, Shenagari M, Hashemi H, Sabahi F, Atyabi F, **Saghiri R.**  
Antiviral Res. 2012 Sep;95(3):229-36. doi: 10.1016/j.antiviral.2012.07.003. Epub 2012 Jul 15.

10-[Modulation of the hepatocyte rough endoplasmic reticulum single chloride channel by nucleotide-Mg<sup>2+</sup> interaction.](#)

Ashrafpour M, Babaei JF, Saghiri R, Sepehri H, Sharifi H.  
Pflugers Arch. 2012 Aug;464(2):175-82. doi: 10.1007/s00424-012-1121-z. Epub 2012 Jun 10.

11-[Evaluation of serum levels of essential trace elements in patients with pulmonary tuberculosis before and after treatment by age and gender.](#)

Pourfallah F, Javadian S, Zamani Z, Saghiri R, Sadeghi S, Zarea B, Mirkhani F, Fatemi N, Kordi T.  
Pak J Biol Sci. 2011 May 15;14(10):590-4.

12-[How many types of large conductance Ca<sup>2+</sup>-activated potassium channels exist in brain mitochondrial inner membrane: evidence for a new mitochondrial large conductance Ca<sup>2+</sup>-activated potassium channel in brain mitochondria.](#)

Fahanik-Babaei J, Eliassi A, **Saghiri R.**  
Neuroscience. 2011 Dec 29;199:125-32. doi: 10.1016/j.neuroscience.2011.09.055. Epub 2011 Oct 4.

13-[Serum adenosine deaminase activity in patients with systemic lupus erythematosus: a study based on ADA1 and ADA2 isoenzymes pattern.](#)

Saghiri R, Ghashghai N, Movaseghi S, Poursharifi P, Jalilfar S, Bidhendi MA, Ghazizadeh L, Ebrahimi-Rad M.  
Rheumatol Int. 2012 Jun;32(6):1633-8. doi: 10.1007/s00296-011-1836-8. Epub 2011 Feb 25.

14-[Electro-pharmacological profile of a mitochondrial inner membrane big-potassium channel from rat brain.](#)

Fahanik-Babaei J, Eliassi A, Jafari A, Sauve R, Salari S, **Saghiri R.**  
Biochim Biophys Acta. 2011 Jan;1808(1):454-60. doi: 10.1016/j.bbamem.2010.10.005. Epub 2010 Oct 23.

15-[Preparation and in vitro characterization of 9-nitrocamptothecin-loaded long circulating nanoparticles for delivery in cancer patients.](#)

Derakhshandeh K, Soheili M, Dadashzadeh S, **Saghiri R.**  
Int J Nanomedicine. 2010 Aug 9;5:463-71.

16-[Evaluation of serum levels of zinc, copper, iron, and zinc/copper ratio in cutaneous leishmaniasis.](#)

Pourfallah F, Javadian S, Zamani Z, Saghiri R, Sadeghi S, Zarea B, Faiaz Sh, Mirkhani F, Fatemi N.  
Iran J Arthropod Borne Dis. 2009;3(2):7-11. Epub 2009 Dec 31.

17-[Adenosine deaminase in patients with primary immunodeficiency syndromes: the analysis of serum ADA1 and ADA2 activities.](#)

Poursharifi P, Saghiri R, Ebrahimi-Rad M, Nazem H, Pourpak Z, Moin M, Shams S.

Clin Biochem. 2009 Sep;42(13-14):1438-43. doi: 10.1016/j.clinbiochem.2008.10.019. Epub 2008 Nov 8.

18-[ATP regulation of a large conductance voltage-gated cation channel in rough endoplasmic reticulum of rat hepatocytes.](#)

Ashrafpour M, Eliassi A, Sauve R, Sepehri H, **Saghiri R.**

Arch Biochem Biophys. 2008 Mar 1;471(1):50-6. doi: 10.1016/j.abb.2007.12.012. Epub 2007 Dec 25.

19-[Preliminary report of NAD<sup>+</sup>-dependent amino acid dehydrogenase producing bacteria isolated from soil.](#)

Mohammadi HS, Omidinia E, Lotfi AS, **Saghiri R.**

Iran Biomed J. 2007 Apr;11(2):131-5.

20-[Evidence for a large conductance voltage gated cationic channel in rough endoplasmic reticulum of rat hepatocytes.](#)

Sepehri H, Eliassi A, Sauvé R, Ashrafpour M, **Saghiri R.**

Arch Biochem Biophys. 2007 Jan 1;457(1):35-40. Epub 2006 Nov 3.

[Purification of periplasmic flagellar antigen from \*Borrelia microtti\*.](#)

21-Assmar M, Soleimani M, Oreiz F, Piazak N, Hossini SM, Saghiri R, Zamani Z.

Scand J Infect Dis. 2002;34(4):267-72.