

## **CURRICULUM VITAE**

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**PLACE OF BIRTH:** Behbahan, Iran

**MARITAL STATUS:** Single

**EDUCATION:**

<b>B.Sc</b>	<b>1974-1976 (Chemistry) Shiraz University, Faculty of Science, Department of Chemistry Shiraz, Iran.</b>
<b>M.Sc</b>	<b>1980- 1987 (Biochemistry) Department of Biochemistry Shiraz University of Medical Sciences, School of Medicine, Shiraz.</b>
<b>Ph.D</b>	<b>1996-2002 (Clinical Biochemistry) Department of Biochemistry Isfahan University of Medical Sciences, School of Pharmacy, Isfahan.</b>

**FACULTY ATTENDANCE:**

**1987-1996**

**Instructor of Biochemistry,  
Department of Biochemistry  
Shiraz University of Medical Sciences,  
Medical School, Shiraz, Iran.**

**2002 to date**

**Assistant professor of Biochemistry  
Department of Biochemistry  
Shiraz University of Medical Science,  
Medical School Shiraz, Iran.**

**PUBLICATION:**

- 1. Vessal, M. and Akmal, M. Enzyme levels in the sera and erythrocytes of patients with visceral leishmaniasis. *MJIRI*.4 (2), 129-131,1990**
- 2. Vessal, M., Akmal, M. and Bambaee – Row, N. Thin layer chromatographic detection of steroid and alkaloid glycosides in physalis alkekengi fruits. *Arch. Iran. Med.* 2, 28 – 30, 1999.**
- 3. Haghghi, B and Akmal, M. Interaction of NAD<sup>+</sup> and NADP<sup>+</sup> with native and pyridoxal phosphate modified glucose 6-phosphate dehydrogenase purified from streptomyces aureofaciens. *Iranian Journal of Science & Technology. Transaction A*.28 (1), 149-160,2004.**
- 4. Masoumeh Akmal, Robab Ahmadi and Mahmood Vessal .Pre- and Post-Treatment of Streptozocin Administered Rats with Melatonin: Effects on Some Hepatic Enzymes of Carbohydrate Metabolism. *Arch Iran Med.* 13 (2) , 105 – 110, 2010.**
- 5. Ghazal Vessal, Masoumeh Akmal, Parisa Najafi, Mahmood Reza Moein and Mohammad Mahdi Sagheb .Silymarin and milk thistle extract may prevent the progression of diabetic nephropathy in streptozotocin-induced diabetic rats. *Renal Failure*, 32, 733–739, 2010.**
- 6. Jamshid Roozbeh, Bahram Shahriyari, Masoumeh Akmal, Ghazal Vessal, Maryam Pakfetrat, Ghanbar Ali Raees Jalali, Raha Afshariani, Mahshid Hasheminasab and Nasrollah Ghahramani. Comparative Effects of Silymarin and Vitamin E Supplementation on Oxidative Stress Markers, and Hemoglobin Levels Among Patients on Hemodialysis. *Renal Failure*, 33(2), 118–123, (2011).**

## **Congress presentation:**

**1 3rd International Congress of Geographic Medicine: Shiraz University of Medical Sciences, October, 30- Nov. 3, 1988, Shiraz, Iran.** *Enzyme levels in the sera and erythrocytes of patients with visceral leishmaniosis.*

**2. 7th Iranian congress of Biochemistry, Ahwaz University of Medical Sciences, Iran, 26-29 Jan 2004.**

**3. Shanghi International Conference on Physiological Biophysics, November 9-13, 2004.**

*-Interaction of  $NAD^+$  and  $NADP^+$  with native and pyridoxal phosphate-modified glucose 6-phosphate dehydrogenase purified from *Streptomyces aureofaciens*.*

**4. The 9<sup>th</sup> Iranian Congress of Toxicology, May 15-17, 2007 Shiraz, Iran**

*- Protective effect of melatonin in Streptozotcin-induced diabetic rats*

**5. The 9<sup>th</sup> Iranian Congress of Biochemistry & 2<sup>nd</sup> International Congress of Biochemistry and Molecular Biology, Oct 29-Nov 1, 2007, Shiraz, Iran**

*- Antidiabetic effects of melatonin in Streptozotcin-induced diabetic rats*

*- Molecular weight determination of multiple molecular forms of glucose 6-phosphate dehydrogenase purified from *streptomyces aureofaciens**

**6. HDBMB 2008-congress of the creation Society of Biochemistry and Molecular Biology with international participation, September 17-20, 2008, Osijek, Croatia.**

*- Protective effect of melatonin in Streptozotcin-induced diabetic rats*

**7. The 12<sup>th</sup> Asian-Pacific Congress of Clinical Biochemistry. APCCB 2010, October 3-7, 2010, Seoul, Korea.**

*Protective Effect Of Melatonin On Dimethylnitrosamine-Induced Acute Liver Injury In Rats.*

## **Research Projects:**

- 1. Effects of melatonin on cataract and aldose reductase in diabetic rat lens. MS.c.thesis.**
- 2. Evaluating the effects of silymarin on diabetic nephropathy. Doctor pharmacy thesis.**
- 3. Comparative study of effects of Melatonin and Silymarin on gene expression of hepatic antioxidant enzymes against dimethylnitrosamine – induced acute liver damages in rats. MS.c.thesis.**
- 4. Role of Ranolazine in improvement of left ventricular function in Streptozotocin-Induced Diabetic Cardiomyopathy in rat. Ph.D thesis .**
- 5. Comparative Effects of Silymarin and Vitamin E Supplementation on Oxidative Stress Markers, and Hemoglobin Levels Among Patients on Hemodialysis. Medical thesis.**