

## Curriculum Vitae

### **Personal Data**

Name: **Heba A. Khader**  
Citizenship: Jordanian  
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### **Education**

2000-2005 B.Sc. in Pharmacy, University of Jordan, Amman, Jordan. GPA 3.91  
2009- 2013 Ph.D in Basic Medical Sciences, Cellular and Molecular Pharmacology,  
University of South Alabama, Mobile, AL, USA. GPA 4.00  
Dissertation Title: "The Effect of Increasing Glucose Uptake on  
Oxidative Stress and Endothelial Cell Function."

### **Professional Work Experience**

2005-2007 Teaching Assistant, Department of Biopharmaceutics and Clinical  
Pharmacy, University of Jordan, Amman, Jordan.  
2007 Teaching Assistant, Department of Pharmaceutical Chemistry and  
Pharmacognosy, Applied Science University, Amman, Jordan.  
2013-2016 Assistant professor, Department of Clinical Pharmacy, Zarqa Private  
University, Zarqa, Jordan  
2016-now Assistant professor, Department of Clinical Pharmacy, Hashemite  
University, Zarqa, Jordan

## **Honors and Awards**

- 2003-2005 University of Jordan Scholarship for excellence in science.
- 2005 Outstanding Student Award, Al-Hikma Pharmaceuticals.
- 2010 Edwin R. Hughes Memorial Award in Basic Medical Sciences for scientific superiority. Mobile, Alabama, USA.

## **Teaching Experience**

### **Courses:**

- Clinical Pharmacy Practice, University of Jordan, 2005-2007.
- Pharmacognosy, Applied Science University, 2007.
- Pharmacology, Zarqa Private University, 2013-2016/ Hashemite University 2016-2017
- Pharmacotherapy, Zarqa Private University, 2014-2015/ Hashemite University 2016-2017.
- Introduction to Pharmacy, Zarqa Private University, 2015-2016.
- Advanced pharmacology for Master students, Hashemite University 2016-2017.
- Nonprescription drugs and parapharmaceuticals, Hashemite University 2016-2017.

## **Publications**

1. **Khader H**, Solodushko V, Al-Mehdi A, Audia J, Fouty B (2013) Overlap of Doxycycline Fluorescence with that of the Redox-Sensitive Intracellular Reporter roGFP. J Fluoresce. 2013 Nov 28; Volume 24, Issue 2, pp 305-311. DOI 10.1007/s10895-013-1331-6.
2. **Khader H**, Hingorani N, Fouty B. Increased Glucose Uptake Does Not Increase Oxidative Stress In Rat Pulmonary Microvascular Endothelial Cells. Under preparation.
3. Solodushko V, **Khader HA**, Fouty BW (2013) Serum Can Overcome Contact Inhibition in Confluent Human Pulmonary Artery Smooth Muscle Cells. PLoS ONE 2013 Aug 6; 8(8): e71490. doi:10.1371/journal.pone.0071490.

4. Viator RJ, **Khader H**, Hingorani N, Long S, Solodushko V, Fouty B (2015). Hypoxia-induced increases in glucose uptake do not cause oxidative injury or advanced glycation end-product (AGE) formation in vascular endothelial cells. *Physiol Rep*. 2015 Jul;3(7). pii: e12460. doi: 10.14814/phy2.12460

### **Oral Presentations**

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| 2016 | Effect of doxycycline fluorescence on the use of Tetracycline-inducible gene delivery systems. Jordan, Zarqa.  |
| 2016 | The effect of increasing glucose uptake on oxidative stress and endothelial cell function. UAE, Dubai.   |
| 2013 | Effect of doxycycline fluorescence on the use of Tetracycline-inducible gene delivery systems. USA, Mobile, AL.  |
| 2012 | The roles of hyperglycemia and oxidative stress in the rise and collapse of the natural protective mechanism against vascular endothelial cell dysfunction in diabetes. USA, Mobile, AL.             |
| 2011 | Methylglyoxal scavengers attenuate endothelial dysfunction induced by methylglyoxal and high concentrations of glucose. USA, Mobile, AL.   |
| 2010 | Rapid regulation of KATP channel Activity by 17 $\beta$ -Estradiol in pancreatic $\beta$ -cells involves the estrogen receptor $\beta$ and the atrial natriuretic peptide receptor. USA, Mobile, AL. |
| 2009 | Primer-directed enzymatic amplification of DNA with a thermostable DNA polymerase. USA, Mobile, AL.  |
| 2009 | Negative regulation of TRPC3 channels by protein kinase C mediated phosphorylation of Serine 712. USA, Mobile, AL.   |

### **Professional memberships**

Jordan Pharmacists Association

American Physiological Society

### **Reviewer in journals**

Journal of Health Psychology

Journal of Child Health Care

### **Chair and member of several committees in the college of pharmacy**

Conferences committee (Member)

Library committee (Member)

Student affairs and consultancy committee (Member)

General safety committee (Member)

Field training committee (Member)