



## CURRICULUM VITAE



### **I-PERSONAL INFORMATION:**

**NAME:** Mona Fouad Mahmoud.

**BIRTHDATE:** 1/28/1973

**SEX:** female.

**SOCIAL STATUS:** Married.

**CITIZENSHIP:** Egypt

**LANGUAGE:** English: Fluent

Arabic: Native language

**CURRENT OCCUPATION:** Associate Professor of pharmacology & toxicology.

**BUSINESS ADDRESS:** Department of Pharmacology & Toxicology.

Faculty of Pharmacy.

Zagazig University

Zagazig, Egypt.

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mfabdelaziz@zu.edu.eg

### **II. EDUCATION:**

<b><u>YEARS</u></b>	<b><u>INSTITUTION</u></b>	<b><u>DEGREE</u></b>
1999-2004	Zagazig University Zagazig, EGYPT	Ph.D. Pharmacology
1996-1998	Zagazig University Zagazig, EGYPT	M.S. Pharmacology
1990-1995	Zagazig University Zagazig, EGYPT	B.S. Pharmacy

### **M.S. Thesis:**

**TITLE:** " Endocrine Effects of Melatonin Concerning Aging and Carbohydrate Metabolism. " **SUPERVISOR:** Prof. Dr. Ahmed Fahamy, Dr. Adel Soliman and Dr. Atef S EL Gharabawy

**Ph.D. Dissertation:**

*TITLE:* " Impairment and Repair of Beta cell Function: Role of Nitric Oxide and Antioxidants. "

*SUPERVISOR:* Prof. Dr. Ahmed Fahmy, Prof. Dr. Nabila El Maraghy, Prof. Dr. Rasha Abd El Ghany and Prof. Dr. Salah Gharib.

**III. PROFESSIONAL EXPERIENCE:**

<b><u>YEARS</u></b>	<b><u>TITLE</u></b>	<b><u>EMPLOYER</u></b>
1995-1998	Demonstrator of Pharmacology	Faculty of Pharmacy, Zagazig University, Egypt.
1998-2004	Assistant lecturer	Faculty of Pharmacy, Zagazig University, Egypt
2004-2009	Lecturer of Pharmacology	Faculty of Pharmacy Zagazig University, Egypt
2009-present	Associate Professor	

**IV. PROFESSIONAL MEMBERSHIPS:**

- \* Member of the Egyptian Pharmaceutical Society.
- \* Member of Environmental Protection and Development Committee, Zagazig University, Egypt.
- \* Member of the Toxicology Society of Egypt.
- \* Member of the Egyptian Association for Natural Toxins..
- \* Member of the Egyptian Society of Pharmacology & Experimental Therapeutics
- \* Member of the Egyptian Society of Diabetic Foot

**V. TRAINING:**

- \* Computer basics, language and techniques, 1998, Zagazig University Computer center, Egypt.
- \* Basics of Teaching and Preparing the University Teacher, 1998, Zagazig University Qualifying and Training Center.
- \* Lawyal matters of Universities. Faculty and leadership development program, Zagazig university, 2006.
- \* Decision-making and problem solving. Faculty and leadership development program, Zagazig university, 2006.
- \* Career ethics. Faculty and leadership development program, Zagazig university, 2005.
- \* Credit hours. Faculty and leadership development program, Zagazig university, 2006.
- \* Writing Research Paper. Faculty and leadership development program, Zagazig university, 2006.
- \* Teaching using Technology. Faculty and leadership development program, Zagazig

University, 2006.

\*ICDL (International Computer Driving License) 2008.

External Evaluator and Self Assessment Training at QAC, 2012-2013

## **VI. RESEARCH EXPERIENCE & INTERESTS:**

I am interested and trained in several aspects of cardiovascular, endocrine, autonomic and Diabetes research. During my predoctoral training, I have studied Perfusion of Pancreas and study of the in vitro effects of drugs on perfused pancreas. I have also studied the induction and management of diabetes in vivo.

During my postdoctoral studies and pending, I have been conducting several research projects dealing with environmental pollution such as the effect of fluoride (which exist in drinking water) on various haemodynamics and blood pressure. Renal failure which is a community problem is also a field of my research. In addition I have an experience with liver disorders.

**I have experience with the techniques listed below:**

### **In Vitro Techniques:**

- Isolated smooth muscle preparation.
- Isolation and perfusion of pancreas.
- Isolation of different organs e.g. liver, kidney and blood vessels.

### **In Vivo techniques:**

- Induction of arteriosclerosis, diabetes and nephrotoxicity in experimental animals.
- Non-invasive techniques for intravenous injections and blood sampling in rats, rabbits and - Measurement of different biochemical parameters in acute and chronic animal preparations employing spectrophotometer, Gamma Counter and Delfia.

### **Surgical techniques:**

- Instrumentation of acute and chronic animals (rats, rabbits) with vascular cannulae;.
- Whole animal and Pancreas perfusion.
- Adrenalectomy techniques.
- Techniques of induction of hypertension.

### **Analytical techniques:**

- Measurement of radioactive ligands in tissues and body fluids.
- Measurement of electrolytes by atomic absorption.
- Measurement of different hormones in body fluids using Delfia technique and radioimmunoassay.
- Spectro-photometric measuring techniques.

### **Histopathological techniques:**

- Frozen and paraffin procedures; Staining procedures; blood vessels, liver and kidney histopathology.

### **Computer experience:**

- Word processing; Excel, Power point, Excel and statistical packages (I have ICDL).

### **Published Books:**

Student book of toxicology 2005/2006 and 2006/2007&2007/2008 and pharmacology book 2008/2009. Clinical pharmacology student book, 2009,2010, 2011, 2012, 2013 and Physiology student book , 2011 & 2013, Department of pharmacology and toxicology, Faculty of Pharmacy,Zagazig University.

### **VIII. GRADUATE ADVISORY COMMITTEE:**

1. Eslam Elazizy,M.S.(Discussed)
2. Marwa Arfat,M.S .(Discussed).
3. Mohamed Ismail,M.S .(Discussed).
4. Abdallah Diaai,M.S .(Discussed).
5. Ghada Samy,M.S.(Discussed). .
6. Shima Samy M.S .(Discussed).
7. Sara Zakaria M.S.(Discussed). .
8. Yara Atef M.S
9. Samar Gamal M.S
10. Asmaa Rizk M.S
11. Noura Hassan M.S
12. Enas Hasan, M.S.

### **XI. TEACHING EXPERIENCE:**

Teaching the following courses:

- \* Pharmacology: Principles of drug action; Different body systems.
- \* Physiology: Different body systems for both undergraduate & postgraduate students.
- \* Chemotherapy and Antibiotics: Infections, tumors and autoimmune diseases.
- \* Environmental and organ Toxicology.
- \* Basics of First Aid.
- \* Clinical Pharmacology.
- \*Clinical Pharmacy
- \*Therapeutics

Toxicology ,semester 2 for students of Misr International University(MIU)-2011/2012.

### **PUBLICATIONS:**

- ☐ 1. Mahmoud MF, El Shazly SM. Pioglitazone protects against cisplatin induced nephrotoxicity in rats and potentiates its anticancer activity against human renal adenocarcinoma cell lines.Food Chem Toxicol. 2013 Jan;51:114-22.
- ☐ ☐ 2. Mahmoud MF, El Shazly SM, Barakat W.Inhibition of TNF- $\alpha$  protects against hepatic ischemia-reperfusion injury in rats via NF- $\kappa$ B dependent pathway. Naunyn Schmiedebergs Arch Pharmacol. 2012 May;385(5):465-71.

3. Mahmoud MF, El-Nagar M, El-Bassossy HM. Anti-inflammatory effect of atorvastatin on vascular reactivity and insulin resistance in fructose fed rats. Arch Pharm Res. 2012 Jan;35(1):155-62.
- ☐ 4. El Zahraa Z El Ashry F, Mahmoud MF, El Maraghy NN, Ahmed AF. Effect of Cordyceps sinensis and taurine either alone or in combination on streptozotocin induced diabetes. Food Chem Toxicol. 2012 Mar;50(3-4):1159-65.
- ☐ 5. Mahmoud MF, Diaai AA, Ahmed F. Evaluation of the efficacy of ginger, Arabic gum, and Boswellia in acute and chronic renal failure. Ren Fail. 2012;34(1):73-82.
- ☒ 6. El-Bassossy HM, El-Moselhy MA, Mahmoud MF. Pentoxifylline alleviates vascular impairment in insulin resistance via TNF- $\alpha$  inhibition. Naunyn Schmiedeberg's Arch Pharmacol. 2011 Sep;384(3):277-85.
- ☐ 7. Ahmed AF, Mahmoud MF, Ouf MA, El-Fathaah EA. Aminoguanidine potentiates the hepatoprotective effect of silymarin in CCL4 treated rats. Ann Hepatol. 2011 Apr-Jun;10(2):207-15.
- ☒ 8. Hashem RM, Mahmoud MF, El-Moselhy MA, Soliman HM. Interleukin-10 to tumor necrosis factor- $\alpha$  ratio is a predictive biomarker in nonalcoholic fatty liver disease: interleukin-10 to tumor necrosis factor- $\alpha$  ratio in steatohepatitis. Eur J Gastroenterol Hepatol. 2008 Oct;20(10):995-1001.
- ☐ 9-Gamal A. El-Sherbiny, Mohamed A. Morsy, Mohamed A. El-Moselhy and Mona Fouad (2005): Antidiabetic effect of Portulaca oleracea extract alone and plus gliclazide, on streptozotocin-nicotinamide-induced type 2 diabetes in rats El-Minia Med., Bull., 16(2):264-270.
- 10-Mona El-Demerdash, Mona Fouad Mahmoud, Salah A. Gabr and Amal F.Gharib. (2007): Toxic interactions between amiodarone and both aspirin and warfarin in adult albino rats. JASMR, 2(2):175-185
- 11-Sahar El-Swefy, Mona Fouad Mahmoud and Mahmoud Emara. (2007): The protective effect of PPAR $\gamma$  on cyclophosphamide induced cardiomyopathy in rats. Cardiovascular disease journal), 1(4):1-11
- 12-Mona F.Mahmoud and Sahar El-Sewfy. (2006): Assessment the Effect of Captopril, Nifedipine and Their Combination on Gentamicin Induced Nephrotoxicity in Rats. Zagazig J. Pharm. Sci., 15(2):11-18
- 13-Mona El-Demerdash, Mahmoud Abdel-Ghany Nomier, Adel S.Soliman and Mona Fouad Mahmoud (2004): Cardiotoxic effects of sodium fluoride in adult albino rats and the possible protective role of vitamin C. Egypt. J. Forensic Sci. Appl. Toxicol., 4(2):13-29.

- 14-Mohamed M. El-Seweidy, Atef E. Abd El-Baky and Mona Fouad Mahmoud (2008):  
Green Tea Catechins as Hypolipemic Agent-Probable Mode of Action  
JASMR, 3(2):95-101.
- 15-Mona Fouad Mahmoud and Atef E. Abd El-Baky. (2007): A study of the protective  
effect of aminoguanidine, nicotinamide and green tea on gentamicin-induced  
nephrotoxicity in experimental rats.  
J. Egypt. Soc. Pharmacol. Exp. Ther. (2):295-312.
- 16- Ahmed, Fahmy A, Abd-Elaziz, Mona F, Soliman A.S., Garabawy, Atef S. The  
Possible Protective and Curative Roles of Melatonin in Normal and Arteriosclerotic  
Adult Male Rats. Zag. J. Pharm. Scis, 9 (2): 26-33, 2000.
- 17- Ahmed, Fahmy A, Abd El-Aziz, Mona F, El-Garabawy, Atef S., and Soliman,  
A.S.Effect of Melatonin on Carbohydrate Metabolism, and Some Related Hormones in  
Rats. Zag. J. Pharm. Scis, 9 (2): 15-19, 2000.