



# *Mona Fouad Mahmoud, Ph D*

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## ***Education***

1. Philosophy Doctor of Pharmacology; Faculty of Pharmacy, Zagazig University, Egypt. In A 2004. Title " Impairment and Repair of Beta cell Function: Role of Nitric Oxide and Antioxidants."
2. Master's degree in pharmacology; Faculty of Pharmacy, Zagazig University, Egypt. In September 1998. Title "Endocrine Effects of Melatonin Concerning Aging and Carbohydrate Metabolism."
3. Bachelor's degree in Pharmaceutical Sciences; Faculty of Pharmacy, Zagazig University, Egypt. In May 1995.

## ***Positions***

1. Head of Pharmacology and Toxicology Department, Faculty of Pharmacy from 8/2018 till now.
2. Vice dean of Environmental affairs of Faculty of Pharmacy, Zagazig University from 7/9/2016 till April 2018
3. Head of Pharmacology and Toxicology Department, Faculty of Pharmacy from 9/2015 till 9/2016.
4. Head of Quality assurance unit, Faculty of Pharmacy from 9/2013 -9-2014.
5. Professor of Pharmacology, Faculty of Pharmacy From 2014 till now.
6. Associate Professor of Pharmacology, Faculty of Pharmacy From 2009-2014.
7. Lecturer of Pharmacology; Faculty of Pharmacy, University of Zagazig from 2004-2009.
8. Assistant lecturer of Pharmacology; Faculty of Pharmacy, University of Zagazig from 1998-2004.

9. Demonstrator of Pharmacology; Faculty of Pharmacy, University of Zagazig.  
From 1996 till 1998.

## ***Memberships***

- 1-Member of Egyptian university promotion Committee 2022-2025
- 2- Member of ZU-IACUC for animal care and use since 2018 until now
- 3- Member of the Egyptian Pharmaceutical Society.
- 4-Member of Environmental Protection and Development Committee, Zagazig University, Egypt.
- 5-Member of the Toxicology Society of Egypt.
- 6- Member of the Egyptian Association for Natural Toxins.
- 7-Member of the Egyptian Society of Pharmacology & Experimental Therapeutics
- 8-Member of diabetic foot society
- 9- Member of the ethical committee for animal handling and use, Faculty of Pharmacy, Zagazig University until 2018.

## ***Expertise***

### **✓ Research**

Excellent experience in the following modern techniques for pharmacology research:

#### In Vitro Techniques:

- Isolated artery technique to study macro vascular reactivity
- 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.

- Induction of various animal models of liver diseases
- Induction of various animal models of Renal diseases

#### 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.
- Ischemia reperfusion technique of liver and kidney.

#### 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, ELISA and radioimmunoassay.
- Spectrophotometric measuring techniques.
- PCR Technique.

#### 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).

#### ✓ **Teaching:**

1. Lecturing therapeutics, clinical pharmacology, bioassay, statistics and clinical pharmacy
2. Lecturing postgraduate occupational and environmental toxicology and toxicology information for the public.

3. Lecturing of Physiology and biostatistics courses to Postgraduate students at University of Zagazig.
4. Lecturing of Pharmacology, clinical pharmacology, Toxicology and Physiology courses to pharmacy undergraduate students at Zagazig University using modern techniques and methods.
5. Lecturing of Pharmacology, clinical pharmacology, Therapeutics I & II, Clinical Pharmacy I& II and Physiology, Clinical Pharmacokinetics courses to Clinical Pharmacy undergraduate students at Zagazig University using modern techniques and methods.
6. Lecturing of Toxicology in Misr International University, Therapeutics I & II in 10<sup>th</sup> of Ramadan Faculty of Pharmacy.
7. Participation in lecturing of Pharmacotherapy course for American board graduate students.
8. Teaching the Basics of First Aid to pharmacy undergraduate students at Zagazig University.
9. Participation in written and practical examinations of Pharmacology, Bioassay, Toxicology and Physiology courses to pharmacy undergraduate students at University of Zagazig.
10. Participation in oral examinations of Pharmacology, Bioassay, and Toxicology courses to pharmacy undergraduate students at Universities of Zagazig, Mansoura, Tanta, Cairo and Misr International University.
11. Teaching practical courses of Pharmacology, Bioassay and Toxicology to undergraduate pharmacy students at University of Zagazig.
12. Teaching therapeutics, clinical pharmacology, clinical pharmacy and clinical pharmacokinetics for clinical pharmacy students at University of Zagazig.

### ***Awards & Grants:***

1. Zagazig University Award for international Publication, Egypt, 2022
2. STDF Grant 2022 to 2025 to fund project about Optimization of obesity-therapeutic-regimens by identifying unexplored drug-disease and drug-drug interactions.
3. Studying the antihypertensive effect of allopurinol in an experimental model of hypertension in cooperation with King Abdulaziz University, Faculty of Pharmacy 2016.
4. For Marquis Who Is Who for year 2015.
5. Zagazig University Award for international Publication, Egypt, 2012-2021.

6. Zagazig University Grant 2011 and 2012 to fund a research project about targeting cannabinoid receptors in the treatment of liver disease and Effect of tramadol and some natural products on hepatic ischemia /reperfusion injury experimentally induced in rats.
7. Zagazig University Award for international Publication, Egypt, 2013, 2014.

### ***Attended Courses***

\* Workshop for academic leadership 2023.

Workshop for evaluation and assessment April 2021

Workshop about Team building for team leaders, 22 September 2014, trainer: Sonja Drewes, DAAD, Kairo Akademie, Zagazig University.

\* ICDL (International Computer Driving License) 2008.

\* Lawyal matters of Universities. Faculty and leadership development program, Zagazig University, 2010.

\* Career ethics. Faculty and leadership development program, Zagazig University, 2010.

\* Scientific publishing. Faculty and leadership development program, Zagazig, University, 2013.

\* Scientific research ethics. Faculty and leadership development program, Zagazig University, 2013.

\* Strategic Planning, Faculty and leadership development program, Zagazig University, 2014.

\* Examination models. Faculty and leadership development program, Zagazig University, 2014.

How to conduct self-study, NAQAAE, Cairo, Egypt.

Curriculum Mapping, NAQAAE, Cairo, Egypt.

Strategic Planning, NAQAAE, Cairo, Egypt.

Peer Reviewing, NAQAAE, Cairo, Egypt.

### ***Conferences:***

1. 4<sup>th</sup> Zagazig forensic and clinical toxicology dept, 7<sup>th</sup> Egyptian Society of clinical toxicology and 2<sup>nd</sup> Research lab conference held on March 3 ,2024, faculty of medicine Zagazig university.
2. Fullbright conference held at Massa , hotel, new administration Capital, August 2023.
3. Egyptian Society of Pharmacology & Experimental Therapeutics 2012, Cairo, Egypt. “Poster presentation”
4. Diabetic Foot conference, 2012, Cairo, Egypt.
5. Dentistry Conference, 2012, Zagazig, Egypt. “Honorable Speaker”
6. Biochemistry Conference 2013, Zagazig, Egypt.
7. Fourth scientific conference March 2014, Organizing Committee
8. Diabetes Conference 2012, Faculty of Medicine, Zagazig University, **Egypt**
9. Cancer Centre Conference 2013, Tanta University, Egypt

### ***Scientific Theses Supervisions:***

#### **Doctoral degree:**

1. Title: Investigation of the effect of some natural products on liver dysfunction experimentally induced in rats. Candidate: Sara Zakaria. Since: 2013
2. Title: **Amelioration of diabetic hypertension by some natural ingredients.**  
Candidate: Rania El Fawal. Since: 2013

#### **Master Degree:**

Islam El azizy, M.S.

Marwa Arfat,M.S.

Mohamed Ismail,M.S.

Abdallah Diany,M.S.

Ghada Samy,M.S.

Shimaa Samy M.S.

Sara Zakaria

Fatma El Ashry

Noura Hassan

Hany Anwar

Sara Sanad

Samar Gamal

Amal Ibrahim

Asmaa Mustafa

Yara Atef

Noura Ali

PH.D students

Noura El Deb

Sara Zakria

Rania El Fawal

Mohamed Nabil

Dareen Yossef

Nariman Essmat

### ***Reviewer Activities***

Reviewer for:

- a. British journal of Pharmacology
- b. Nutritional research
- c. Clinical Nutrition Journal
- d. Clinical Toxicology
- e. Food and Chemical Toxicology
- f. Human and Experimental Toxicology
- g. Integrative Cancer Therapies

- h. Experimental Biology and Medicine
- i. Journal of Medicine and Medical Sciences
- j. The Journal of Diabetes and Metabolic Disorder
- k. Life Sciences
- l. Journal of Nutritional Biochemistry
- m. Journal of Pharmacological Sciences
- n. Journal of Physiology and Pharmacology
- o. Molecular Biology Reports
- p. Open veterinary Journal
- q. Pharmaceutical Biology
- r. Renal Failure
- s. Canadian journal of Diabetes
- t. Frontier in Pharmacology
- u. Heliyon
- v. Molecules

### ***External Discussion committee for thesis***

- 1- Rhadda Nageh El Mahdy, Mansoura university PH.D thesis under the title “Effects of some drugs on experimentally induced ulcerative colitis” 5<sup>th</sup> March 2024.
- 2- Hadeer Magdy Hamed Abou El Ezz Mansoura university, PH.D thesis under the title “ the possible effects of certain drugs against experimentally induced breast cancer” Sept. 2023.
- 3- Mariam Mohamed El gamal, Faculty of Pharmacy, Suez canal university, PHD thesis under the title” Effect of canagliflozin on valoproic acid model of Autism in rats” in Wednesday, 17-5-2023.
- 4- Rabab Saber, Faculty of Medicine, clinical pharmacology department, Zagazig university , Msc thesis under the title”Study on the effect of telmisartan and candesartan on obesity and fatty liverinduced experimentally by high fat diet in male albino rats” in Monday, 15-5-2023.

### ***Editorial board activities***

Guest editor for Molecules.

Review editor for Frontier in Pharmacology.

Editor of APG- A J of Pharmacology & Therapeutics, Austin Publishing Group, New Jersey 07094, USA

Editor for Egyptian Journal of Basic and Clinical Pharmacology.

### ***Publications***

**Badr Eddine Drissi, Latifa BOUISSANE, Ismail MAHDI, Ahmet Bugra Ortaakarsu, Mohamed Abdelmoety, Widad Ben Bakrim, Sohaib Khatib, Mona Fouad Mahmoud, Mansour Sobeh. Cubeb (Piper cubeba L.): nutritional value, phytochemical profiling and dermacosmeceutical properties. *Frontiers in Nutrition* 11, 1352548**

**Mohamed, R.M.S.M., Ahmad, E., Amin, D.M., ...Mahmoud, M.F., Abdelaal, S. Adrenergic receptors blockade alleviates dexamethasone-induced neurotoxicity in adult male Wistar rats: Distinct effects on  $\beta$ -arrestin2 expression and molecular markers of neural injury. *DARU, Journal of Pharmaceutical Sciences* , 2024, 32(1), pp. 97–108.**

**Bayoumi, A.A., Ahmad, E.A., Ibrahim, I.A.A.E.-H., Mahmoud, M.F., Elbatreek, M.H. Inhibition of both NOX and TNF- $\alpha$  exerts substantial renoprotective effects in renal ischemia reperfusion injury rat model. *European Journal of Pharmacology.*, 2024, 970, 176507.**

**Mahmoud, M.F., Mahdi, I., Ali, N., ...Hasan, R.A., Sobeh, M. Black pepper (Piper nigrum L.) essential oil counteracts dexamethasone-induced hepatic injury via modulating PGC-1 $\alpha$ / PPAR- $\alpha$  pathway in rats. *Arabian Journal of Chemistry* This link is disabled., 2024, 17(4), 105690.**

**Annaz, H., Elrashidy, R.A., Osama Mohammed, H., ...Mahmoud, M.F., Sobeh, M. Ammodaucus leucotrichus Coss. & Dur. Attenuates acrylamide-induced hepatic injury through enhancing autophagy and inhibiting endoplasmic reticulum stress and apoptotic signaling. *Journal of Functional Foods* This link is disabled., 2024, 115, 106090.**

**Abdelghffar, E.A.R., Mohammed saleh, Z.M., Osailan, R., ...Mahmoud, M.F., Sobeh, M. Uxi (Endopleura uchi (Huber) Cuatrec) bark extract mitigates HFD-induced adiposity in rats via targeting oxidative stress, and lipogenic genes expression. *Journal of Functional Foods* This link is disabled., 2024, 114, 106034.**

**Fahsi, N., Mahdi, I., Annaz, H., ...Mahmoud, M.F., Sobeh, M. Unlocking the therapeutic potential of cinchonains: a comprehensive review. *Phytochemistry Reviews* This link is disabled., 2024.**

Fikry, E., Mahdi, I., Buğra Ortaakarsu, A., ...Mahmoud, M.F., Sobeh, M. Dermato-cosmeceutical properties of *Pseudobombax ellipticum* (Kunth) Dugand: Chemical profiling, in vitro and in silico studies. *Saudi Pharmaceutical Journal.*, 2023, 31(10), 101778.

Elbatreek, M.H., Fathi, A.M., Mahdi, I., ...Mahmoud, M.F., Sobeh, M. Thymus satureioides Coss. combats oral ulcer via inhibition of inflammation, proteolysis, and apoptosis. *Inflammopharmacology.*, 2023, 31(5), pp. 2557–2570.

Mahmoud, M.F., Tawfeek, N., Ali, N., ...Sobeh, M., El-Shazly, A.M. Salix babylonica L. mitigates pancreatic damage by regulating the Beclin-P62/SQSTM1 autophagy pathway in rats. *Journal of Ethnopharmacology.*, 2023, 313, 116425.

Annaz, H., Abdelaal, S., Mandour, D.A., ...Mahmoud, M.F., Sobeh, M. Mexican tea (*Dysphania ambrosioides* (L.) Mosyakin & Clemants) seeds attenuate tourniquet-induced hind limb ischemia–reperfusion injury by modulating ROS and NLRP3 inflammasome pathways. *Journal of Functional Foods* [This link is disabled.](#), 2023, 108, 105712.

Mahmoud MF, El Ashry FE, El Maraghy NN, Fahmy A. Studies on the antidiabetic activities of *Momordica charantia* fruit juice in streptozotocin-induced diabetic rats. *Pharm Biol.* 2017 Dec;55(1):758-765.

Nahla N. Younis, Mohamed A. Shaheen, Mona F. Mahmoud. Silymarin preconditioning protected insulin resistant rats from liver ischemia-reperfusion injury: role of endogenous H2S. *Journal of Surgical Research*, Vol. 204, Issue 2, p398–409

Mahmoud MF, Gamal S, Shaheen MA, El-Fayoumi HM. The effects of tramadol on hepatic ischemia/reperfusion injury in rats. *Indian J Pharmacol.* 2016 May-Jun; 48(3):275-80.

El Swefy S, Hasan RA, Ibrahim A, Mahmoud MF. Curcumin and hemopressin treatment attenuates cholestasis-induced liver fibrosis in rats: role of CB1 receptors. *Naunyn Schmiedebergs Arch Pharmacol.* 2016 Jan;389(1):103-16.

Mahmoud MF, Zakaria S, Fahmy A. Can Chronic Nitric Oxide Inhibition Improve Liver and Renal Dysfunction in Bile Duct Ligated Rats? *Adv Pharmacol Sci.* 2015; 2015:298792

Sara Aly, Mona F. Mahmoud, Seham H. M. Hassan ,Ahmed Fahmy. Evaluation of the analgesic activity and safety of ketorolac in whole Body fractionated gamma irradiated animals. *Future Journal of Pharmaceutical Sciences* 1 (2015) 8-15

El-Bassossy HM, Hassan NA, Mahmoud MF, Fahmy A.(2014). Baicalein protects against hypertension associated with diabetes: effect on vascular reactivity and stiffness. *Phytomedicine*. 2014 Oct 15; 21(12):1742-5

Mahmoud MF, Swefy SE, Hasan RA, Ibrahim A (2014). Role of cannabinoid receptors in hepatic fibrosis and apoptosis associated with bile duct ligation in rats. *Eur J Pharmacol*. 2014 Nov 5; 742:118-24

Mahmoud MF, Gamal S, El-Fayoumi HM. (2014). Limonin attenuates hepatocellular injury following liver ischemia and reperfusion in rats via toll-like receptor dependent pathway. *Eur J Pharmacol*. 2014 Oct 5; 740:676-82.

Mona F. Mahmoud, Sara Zakaria, and Ahmed Fahmy. (2014). Aqueous Garlic Extract Alleviates Liver Fibrosis and Renal Dysfunction in Bile-Duct-Ligated Rats. *Z. Naturforsch*. 69c, 133 – 141

Hamdan DI, Mahmoud MF, Wink M, El-Shazly AM .(2014). Effect of hesperidin and neohesperidin from bittersweet orange (*Citrus aurantium* var. bigaradia peel on indomethacin-induced peptic ulcers in rats.*Environ Toxicol Pharmacol*. 15; 37(3):907-915.

Mahmoud MF, El Bassossy HM.(2014). Curcumin attenuates fructose-induced vascular dysfunction of isolated rat thoracic aorta rings. *Pharm Biol*. 2014 Aug; 52(8):972-7.

Hassan NA, El-Bassossy HM, Mahmoud MF, Fahmy A. (2014). Caffeic acid phenethyl ester, a 5-lipoxygenase enzyme inhibitor, alleviates diabetic atherosclerotic manifestations: effect on vascular reactivity and stiffness. *Chem Biol Interact*. 25; 213:28-36.

Mahmoud MF, Hamdan DI, Wink M, El-Shazly AM. (2014). Hepatoprotective effect of limonin, a natural limonoid from the seed of *Citrus aurantium* var. bigaradia, on D-galactosamine-induced liver injury in rats.*Naunyn Schmiedebergs Arch Pharmacol*. 387(3):251-61.

Nabila N. El Maraghy, Mona F. Mahmoud, Doaa A. Sourour, Mohamad I. Abozaid. Beneficial Effects of Valsartan on Renovascular Hypertension in Rats via Nitric Oxide Preserving and Antioxidant Effects. *International Journal of Advanced Research* (2014), Volume 2, Issue 6, 714-722

Nabila N El Maraghy, Mona F Mahmoud, Doaa A Sourour, Mohamad I Abozaid. Study of the Possible Prophylactic Effect of Hibiscus Sabdariffa Extract on Experimental Hypertension in Rats. *Egyptian Journal of Basic and Clinical Pharmacology*, 2013/6, 3 (1): 61-70.

Mona Mahmoud, Dalia Hamdan, Michael Wink, Assem El-Shazly. (2013). Naringin and rutin prevent d-galactosamine-induced hepatic injury in rats via attenuation of the inflammatory cascade and oxidative stress. *European scientific journal*. 9(30): 141-155.

Mahmoud MF, Hassan NA, El Bassossy HM, Fahmy A (2013). Quercetin protects against diabetes-induced exaggerated vasoconstriction in rats: effect on low grade inflammation. *PLoS One*. 8(5):e63784.

Mahmoud MF, El Shazly SM. (2013). Pioglitazone protects against cisplatin induced nephrotoxicity in rats and potentiates its anticancer activity against human renal adenocarcinoma cell lines. *Food Chem Toxicol*. 51:114-22.

Mahmoud MF, El Shazly SM, Barakat W. (2012). Inhibition of TNF- $\alpha$  protects against hepatic ischemia-reperfusion injury in rats via NF- $\kappa$ B dependent pathway. *Naunyn Schmiedebergs Arch Pharmacol*. 385(5):465-71.

Mahmoud MF, El-Nagar M, El-Bassossy HM. (2012). Anti-inflammatory effect of atorvastatin on vascular reactivity and insulin resistance in fructose fed rats. *Arch Pharm Res*. 35(1):155-62.

El Zahraa Z El Ashry F, Mahmoud MF, El Maraghy NN, Ahmed AF. (2012). Effect of Cordyceps sinensis and taurine either alone or in combination on streptozotocin induced diabetes. *Food Chem Toxicol*. 50(3-4):1159-65.

Mahmoud MF, Diaai AA, Ahmed F. (2012). Evaluation of the efficacy of ginger, Arabic gum, and Boswellia in acute and chronic renal failure. *Ren Fail*. 34(1):73-82.

El-Bassossy HM, El-Moselhy MA, Mahmoud MF. Pentoxifylline alleviates vascular impairment in insulin resistance via TNF- $\alpha$  inhibition. *Naunyn Schmiedebergs Arch Pharmacol*. 384(3):277-85.

Ahmed AF, Mahmoud MF, Ouf MA, El-Fathaah EA. (2011). Aminoguanidine potentiates the hepatoprotective effect of silymarin in CCL4 treated rats. *Ann Hepatol*. 10(2):207-15.

Islam Ahmed Abd El-Hamid Ibrahim, Mona Fouad Mahmoud Abd El-Aziz, Ahmed Fahmy Ahmed and Mohamed Abd El-Aal Mohamed. (2011). Is the effect of high fat diet on lipid and carbohydrate metabolism related to inflammation? *Mediterr J Nutr Metab*. 4, (3): 203-209.

Mohamed A. Mohamed, Ahmed F. Ahmed, Mona F. Mahmoud and Islam A. El-Azizy. (2009). Effect of low grade inflammation in the development of insulin resistance: a study of the possible effects of rosiglitazone and/or aspirin. *Zagazig J. Pharm. Sci*. 18, (2): 16-25

**Mona EL-Demerdash, , Ezzeddin El Sheikh, , Amal F. Gharib, Salah A Gabr, and Mona F Mahmoud. (2009). Hazardous effects of electromagnetic radiation emitted by mobile phones on the brain and cochlea of albino rats: Role of melatonin and vitamin c. JASMR, 4(1): 89-100.**

**Reem M. Hashem, Mona F. Mahmoud, Mohamed A. EL-Moselhy and Hala M. Soliman. (2008): Interleukin-10 to Tumor Necrosis Factor Alpha Ratio Is a Predictive Biomarker in Non Alcoholic Fatty Liver Disease: IL-10/TNF-  $\alpha$  Ratio in Steatohepatitis. European Journal of Gastroenterology &Hepatology, 20:995-1001.**

**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.**

**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.**

**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**

**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**

**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**

**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.**

**Mona El-Demerdash, Mahmoud Abdel-GhanyNomier, 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.**

**Ahmed, Fahmy A, Abd-El Aziz, Mona F, Soliman A.S., Garabawy, Atef S (2000):  
The Possible Protective and Curative Roles of Melatonin in Normal and  
Arteriosclerotic Adult Male Rats.Zag. J. Pharm. Scis, 9 (2): 26-33.**

**Ahmed, Fahmy A, Abd El-Aziz, Mona F, El-Garabawy, Atef S., and Soliman,  
A.S.(2000): Effect of Melatonin on Carbohydrate Metabolism, and Some Related  
Hormones in Rats. Zag. J. Pharm. Scis, 9 (2): 15-19.**