



Curriculum Vitae

Sahar Mahmoud AzzmyEl-Gowilly

**Associate Professor in pharmacology and toxicology
Pharmacology Department
Faculty of Pharmacy – Alexandria University**

PERSONAL DETAILS:

Date of Birth: 7/ 11/ 1972

Telephone Numbers; 034871317 – 0106654428

E. Mail: Saharelgowelly@yahoo.com

CAREER HISTORY:

- **Associate professor in pharmacology (Februray -2012).** Dept. of Pharmacology and toxicology, Faculty of Pharmacy, Univ. of Alexandria, Egypt.
- Lecturer in pharmacology (2004-2011), Dept. of Pharmacology and toxicology, Faculty of Pharmacy, Univ. of Alexandria, Egypt.
- Assistant lecturer (1999-2004) in pharmacology and toxicology department, Faculty of pharmacy, University of Alexandria, Egypt
- Instructor (1996-1999) in pharmacology and toxicology department, Faculty of pharmacy, University of Alexandria, Egypt

TEACHING EXPERIENCE

(In department of pharmacology and toxicology – University of Alexandria):

- Toxicology and first aid course for undergraduate pharmacy students(2004-2005)
- Biological Standardization & Biostatistics course for undergraduate pharmacy students (2006-2008)
- Pharmacology for undergraduate pharmacy Students (2004-until present).

Postgraduate Students:

- Molecular biology course for postgraduate students (2006)
- Advanced course in pharmacology for postgraduate students (2007)
- Drug interaction course for postgraduate students (2008-2009)
- Applied Experimental Pharmacology for postgraduate students (2009-2014)

Faculty of dentistry Dental nutrition and dental drugs for Malaysian students (2014-2015)



RESEARCH INTERSET:

- Cardiovascular pharmacology
- Drugs –induced nephrotoxicity and the possible underlying mechanisms
- Signalling mechanisms involving vascular endothelium

TRAINING:

- 1- "Analysis of Research results" - National research institute – Alexandria University (2006)
- 2- "Student assessment and exams criteria" - National research institute – Alexandria University (2011)
- 3- "Preparing scientific conferences" - National research institute – Alexandria University (2011)
- 4- "Preparing research project" - National research institute – Alexandria University (2006)
- 5- "Quality criteria of Educational process" - National research institute – Alexandria University (2011)
- 6- "Principles of Medical Research" - National research institute – Alexandria University (2007)
- 7- Training of trainers preparatory (TOT1) - **NCFLD center**– Alexandria University (2008)
- 8- Specialized supplementary training of trainers (Comp1) -**NCFLD center** – Alexandria University (2008)
- 9- Microsoft E-content Development Training – Faculty of pharmacy-University of Alexandria (2009)

WORKSHOPS ATTENDED:

- 1- " Patient counseling Pharmacy Practice" - South Carolina College of Pharmacy-Department of continuing education - Misr University School of Pharmacy (Feb 2010)
- 2- 6th integrated symposium "parasitic liver diseases"- Faculty of Medicine – conference hall– University of Alexandria (March 2009)
- 3- The 5th integrated symposium of the Egyptian Association of the Advancement of Medical Basic Sciences: breast cancer: hope and cure, Faculty of Medicine, University of Alexandria. (Feb. 2007)
- 4- The seminar and Workshop entitled: Improving the expertise of workers in bioanalytical labs, (DAQC/HEEPF), Faculty of Pharmacy, University of Alexandria (July 2005).
- 5- A workshop entitled “Red tide and Human health” held in Bibliotheca Alexandrina, under the supervision of the National institute of Oceanography, Institute of higher education, Alexandria, Egypt (20/11/2006)
- 6- The workshop “Development of The Academic Instructor”, University of Alexandria (20/10-8/11/2001)

WORKSHOPS ATTENDED AND ORGANIZED:

- 1- Intended learning outcomes and exam construction - conference hall -Faculty of Medicine – University of Alexandria (30 &31/ 12/2009)



- 2- Written exam test items and how to choose essay questions - conference hall -Faculty of Medicine – University of Alexandria(9 & 10 /3/ 2010)
- 3- Objective structured and clinical examination conference hall -Faculty of Medicine – University of Alexandria(11 & 12/4/2010)
- 4- Objective written exam, oral exams and projects assessment conference hall -Faculty of Medicine – University of Alexandria(8&9-August 2010)
- 5- Analysis of written exam test items – Faculty of Geometry – University of Alexandria (7&8 November 2010)

SCIENTIFIC CONFERENCES ATTENDED:

- The First Scientific conference of Faculty of Pharmacy- Cairo University (March 2008)
- The 13th conference of the Medical Research Institute on advances in medical research 22nd -24th November 2007.
- The 12th conference of the Medical Research Institute on advances in medical research 22nd -24th November 2006
- Biovision Alexandria 2006. New life sciences changes lives. Egypt 27th April 2006
- Biovision Alexandria 2014. Egypt 21th April 2014
- The first Scientific conference of Quality of Education – Cairo University (July 2009).
- The first international conference for Center of quality Assurance and Accreditation, Cairo University, Great Hall, Cairo (15th April 2008).

MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS

- 1- National Center For Faculty and leadership Development (NCFLD) - Associated member (B381)- 2009
- 2- Pharmacology for Africa initiative Society "**PharfA**" - Regular Member - member ID is: ind-75738K – 2010
- 3- American Society of Pharmacology and Experimental Therapeutics (**ASPET**)
- 4- Electronic membership in "American College of Clinical Pharmacology" – May 2011

AWARDS AND HONORS:

- 1- **ACDIMA award** for the Top Scientific Publication in Applied Pharmaceutical Sciences in the **Arab world (2007)**. Awarded by the Arab Company for Drug Industries and Medical Appliances, Amman, Jordan.
- 2- University of Alexandria awards for distinguished publications in the top cited journals (2008 , 2009, 2010, 2011).
- 3- **Alexandria university scientific encouragement award 2012**



COMMITTEE MEMBERSHIP:

- Member in Quality Assurance and Accreditation Project (**QAAP**) in the Faculty of Pharmacy University of Alexandria (since 2007)
- Member of the executive team of **Continuous Improvement and Qualifying for Accreditation Project (CIQAP)** in the Faculty of Pharmacy University of Alexandria (Since March 2008).
- Member of community service and environment development committee – faculty of Pharmacy- Alexandria University (September 2008 till August 2010).
- Member of the educational and student affairs committee –faculty of pharmacy (2010-2011, 2014-2015, 2015-2016).
- Member of faculty of pharmacy committee (2010-2011).

OTHER ACTIVITIES:

- Academic supervisor of postgraduate students of pharmacology department (since September 2007-2013).
- Academic supervisor of clinical pharmacy undergraduate students (2010- 2014)
- Participant in the scientific activities of the “Pharmaceutical Services Unit”, Faculty of Pharmacy, University of Alexandria, presenting many scientific activities (2008).
- Quality coordinator of pharmacology and toxicology department (2008-2014).
- Member of the executive committee of the project "**Development of student assessment**" since October 2009-2012.
- Assistant researcher of research STDF project "**Hemodynamic and renal effects of nicotine in rats with surgical menopause**" since May 2010-2013
 - **Assistant researcher in Science and Technology Development Fund (STDF)** project:“Sexual and molecular dimorphism in nicotine protection against renal and hemodynamic derangements of endotoxic shock” STDF-ID14895 .Grant Monetary: 763,000 EGP. (2015 - 2018)
- Reviewer of some projects of "**Science and technology developmentfund- STDF**"
- **Occasional reviewer in "European Journal of pharmacology"** 2011-till now
 - **Reviewer in Omic publishing internal group journals that includes “Journal of Pharmaceutical sciences”,“Pharmaceutical regulatory affairs”, “Pharmaceutics & DrugDelivery Research” 2011-2014.**
- Member of the editorial board of science journal of clinical medicine
- Editorial review board member of World Academy of Science, Engineering and Technology.
Member of the Erasmus plus multi-beneficiaries project Call 2015-2016 entitled “IT-Based international diploma and certificates in clinical toxicology”
-

PUBLICATIONS:

A- Full length research article (20)



1. El-Mas MM, Mohy El-Din MM, **El-gowilly SM**, Sharabi FM.(2004): Regional and endothelial differences in cyclosporine attenuation of adenosine receptor-mediated vasorelaxations. *J CardiovascPharmacol.* 2004 Apr;43(4):562-73.
2. El-Mas MM, Mohy El-Din MM, **El-Gowilly SM**, Sharabi FM (2004).: Rlative roles of endothelial relaxing factors in cyclosporine-induced impairment of cholinergic and beta-adrenergic renal vasodilations. *Eur J Pharmacol.* 2004 Mar 8;487(1-3):149-58.
3. El-Mas MM, El-Din MM, **El-Gowilly SM**, Sharabi FM.(2005): The alpha1-adrenergic receptor not the DA(1)-dopaminergic receptor mediates cyclosporine-SKF38393 renovascular interaction. *Can J PhysiolPharmacol.* 2005 Dec;83(12):1129-36.
4. El-Mas MM, Sharabi FM, **El-Gowilly SM**, El-Din M.M.(2007): Inhibition of nitric oxide-guanylatecyclase-dependent and -independent signaling contributes to impairment of beta-adrenergic vasorelaxations by cyclosporine.*BiochemPharmacol.* 2007 Feb 1;73(3):359-67. Epub 2006 Oct 21.
5. **El-gowilly S.M.**, Abdel-Rheem M Ghazal, Eman Y Goher and Mahmoud M El-Mas (2008): Additive impairment of beta-adrenoceptor-mediated renal vasodilation by nicotine and cyclosporine. *Clinical Experimental Pharmacology and Physiology, ClinExpPharmacol Physiol.*; Oct., 35 (10): 1164-1171
6. Mahmoud M. El-Mas, **Sahar M. El-gowilly**, Eman Y. Goher, Abdel-Rheem M. Ghazal (2008): Pharmacological characterization of cellular mechanisms of the renal vasodilatory effect of nicotine in rats. *Eur J Pharmacol.* 2008 Jul 7;588(2-3):294-300.
- 7.El-mas, M.M.; **El-Gowill, S.M.**, Gohar, EY and Ghazal, A.M. (2009): Sex and hormonal influences on the nicotine-induced attenuation of isoprenalinevasodilations in the rat perfused kidney. *Can. J. Physiol. Pharmacol.*, 87(7): 539-548.
8. Nasr, M.A., **El-gowilly, S. M.** and El-Mas, M. M. (2010): Comparable renovascular protective effects of moxonidine and simvastatin in rats exposed to cigarette smoke. *Vascular Pharmacology* 53 (2010) 53–60
9. Saad, E.I., **El-Gowilly, S.M.**, Sherhaa, M.O. and Bistawroos, A.E. (2010): Role of oxidative stress and nitric oxide in the protective effects of a-lipoic acid and aminoguanidine against isoniazid–rifampicin-induced hepatotoxicity in rats. *Food and Chemical Toxicology* 48 (2010) 1869–1875
- 10.El-Mas MM, **el-Gowilly SM**, Gohar EY, Ghazal AR, Abdel-Rahman AA. Estrogendependence of the renal vasodilatory effect of nicotine in rats: role of α 7nicotinic cholinergic receptor/eNOS signaling. *Life Sci.* 2011 Jan17;88(3-4):187-93.
11. El-Mas MM, El-Gowilly SM, Fouda MA, Saad EI. Role of adenosine A(2A) receptor signaling in the nicotine-evoked attenuation of reflex cardiac sympathetic control. *ToxicolApplPharmacol.* 2011 Aug 1;254(3):229-37. Epub 2011 Apr 29



12. El-Gowell HM, Abd-Elrahman KS, Saad EI, **El-Gowilly SM**, Abdel-Galil AG, El-Mas MM. PPAR γ dependence of cyclosporine-isoprenalinerenovascular interaction: Roles of nitric oxide synthase and hemeoxygenase. *J CardiovascPharmacol*. **2011** Aug;58(2):173-80.
13. Sahar M. El-GowillyMetoprolol ameliorates cyclosporine A-induced hypertension and nephrotoxicity in rats. *J CardiovascPharmacol*. 2011 Aug 31 ,58(6):639-46.
14. El-Mas MM, Fouda MA, **El-Gowilly SM**, Saad EI. Central estrogenic pathways protect against the depressant action of acute nicotine on reflex tachycardia in female rats. *ToxicolApplPharmacol*. 2012 Feb 1;258(3):410-7. Epub 2011 Dec 19.
15. El-Mas, MM, El-Gowell, HM, **El-Gowilly, SM**, Foda, MA, Hel,y, MM (2012): Estrogen provokes the depressant effect of chronic nicotine on vegally-mediated reflex chronotropism in female rats. *J. Pharmacol. Exp. Ther.*, 342, 568-575.
16. El-Gowell, H.M., **El-Gowilly, S.M.**, Elsalakawy, L.K., El-Mas., M.M. (2013): Nitric oxide synthase/K⁺ channel cascade triggers the adenosine A2b receptor-sensitive renal vasodilations in female rats. *Eur. J. Pharmacology*, (702): 116-125
17. Gohar, E.Y., **El-Gowilly, S.M.**, El-Gowell, H.M. and El-Mas, M.M. (2013): Nicotine paradoxically affect the facilitatory effect of ovarian hormones on the adenosine receptor mediated renal vasodilations. , (710): 1-9
18. El-Mas MM, **El-Gowilly SM**, Elsalakawy LK, El-Gowell HM. Estrogen compromises thefacilitatory effect of chronic nicotine on adenosine A(2B) receptor/K(+)channel-mediated renal vasodilations. *ClinExpPharmacol Physiol*. 2014 May
19. Gohar EY, **El-gowilly SM**, El-Gowell HM, El-Demellawy MA, El-Mas MM. PI3K/Akt-independent NOS/HO activation accounts for the facilitatory effect ofnicotine on acetylcholine renal vasodilations: modulation by ovarian hormones.*PLoS One*. 2014 Apr 14;9(4):e95079
20. Fouda MA, El-Gowell HM, **El-Gowilly SM**,Rashed L, El-Mas MM. Impairment ofnitric oxide synthase but not hemeoxygenase accounts for baroreflex dysfunction caused by chronic nicotine in female rats. *PLoS One*. 2014 May 28;9(5):e98681.

TOTAL CITATION 4-2014: 109

H-index: 7 (4-4-2014)

B- ABSTRACTS (11)

1. El-Mas MM, Mohy El-Din MM, **El-Gowilly SM**. and Sharabi FM (2004). Regional and endothelial differences in the cyclosporine attenuation of adenosine receptor-mediated vasorelaxations. *FASEB J* 18 (5), Abstract#643.7, pp. A982-983.



2. El-Mas MM, Mohy El-Din MM, **El-Gowilly SM**, and Sharabi FM (2003). Roles of endothelial relaxing factors in cyclosporine-induced inhibition of cholinergic and β -adrenergic renovascular relaxations. *FASEB J* 17 (4), Abstract#148.4, pp. A224.
3. El-Mas MM, Mohy El-Din MM, **El-Gowilly S M**, and Sharabi FM (2006). Signaling mechanisms of cyclosporine-induced impairment of β -adrenergic vasorelaxations. *BioVision Alexandria*, Abstract# 37, pp. 17.
4. Nasr MA, **El-gowillySM**, and El-Mas MM(2008). A comparative study of the protective effect of simvastatin and moxonidine against renovascular toxicity induced by smoking in rats. *FASEB J* 22, Abstract # 1129.11
5. **El-gowilly SM**, Ghazal AM,Goher EY, and El-Mas MM(2008). Additive impairment of β -adrenoceptor-mediated renal vasodilation by nicotine and cyclosporine. *FASEB J* 22, Abstract # 1129.10
6. El-Mas MM,**El-gowilly SM**, Goher EY, Ghazal AM (2008). Gender and estrogen specificity of the renal vasodilatory effect of nicotine in rats. *FASEB J* 22, Abstract # 1129.8.
7. El-Mas MM, **El-gowilly SM**,Goher EY, and Ghazal AM (2008). Roles of nitric oxide and K^+ channels in the vasodilatory action of nicotine in the rat renal vasculature. *FASEB J* 22, Abstract # 1129.7.
8. **Sahar M. El-Gowilly (2008)**:Metoprolol attenuates renal dysfunction evoked by cyclosporine A.1st Scientific Conference of Faculty of Pharmacy Cairo University. # PHT4
9. Mahmoud M El-Mas, **Sahar M El-gowilly**, Mohamed A Fouda, and Evan I Saad (2010): Estrogen Protects Female Rats Against The Nicotine-Induced Attenuation Of Reflex Tachycardia: Role Of Central Estrogen Receptors. *FASEB J.* 24, Abstract # 961.3
10. Mahmoud M El-Mas, **Sahar M El-gowilly**, Mohamed A Fouda, and Evan I Saad (2010): Acute nicotine attenuates reflex tachycardia in male rats via inhibition of baroreceptor-mediated cardiac sympathetic control.*FASEB J.* 24, Abstract # 961.2
11. El-Mas MM, **El-gowilly SM**, Fouda MA, Saad EI. Central adenosine receptors differentially contribute to the nicotine-induced attenuation of reflex tachycardic responses to baroreceptor unloading. *FASEB J*2011, 25, 1084.3
12. Mahmoud M El-Mas, Hanan M El-Gowell, Mohamed A Fouda and **Sahar M El-Gowilly(2013)**: Modulation Of The Baroreflex Depressant Effect Of Chronic Nicotine In Female Rats By Nitric Oxide Synthase And HemeOxygenase. *The FASEB Journal.* 2013;27:654.5
13. Eman M Gohar, **Sahar M El-gowilly**, Hanan M El-Gowell and Mahmoud M El-Mas (2013): Nicotine Paradoxically Alters The Facilitatory Action Of Estrogen And Progesterone On Adenosine Receptor-Mediated Renal Vasodilations. *The FASEB Journal.* 2013;27:654.6

