



## Curriculum vitae

( Dr. Amal Gaber Mohamed Hofni)

### ❖ Preface

I am a very motivated scientist with an objective to utilize my professional training as a pharmacologist as well as toxicologist for the advancement in science, benefiting humankind. An overview of my qualifications is given below.

### ❖ Personal data

**Name:** Amal gaber Mohamed Hofni

**Date of Birth:** October 22, 1974

**Nationality:** Egyptian

**Address:** 59 -Shalaby, Minia,

**Email:** [Amal\\_Arwa1@yahoo.com](mailto:Amal_Arwa1@yahoo.com) - [Amal.gaber@svu.edu.eg](mailto:Amal.gaber@svu.edu.eg)

**Status:** Married

### ❖ Education:

**2015: Registration of PhD (Doctor of Pharmaceutical science degree**  
(Pharmacology and Toxicology, Faculty of Pharmac, Beni –Suef University).

- **2015: Master in Pharmaceutical Science** (Pharmacology and Toxicology. Department of Pharmacology and Toxicology, Faculty of Pharmacy, Minia University. Thesis title (Comparative study between effects of spironolactone and Enalapril on renal complications of streptozotocin-induced diabetic rats)
- 2012: Registration of Master of Pharmaceutical Science degree (Pharmacology),**

- **1999: B.Sc. Pharmaceutical Science**, General grade: very good, Faculty of pharmacy, Al-Azhar university, Cairo, Girls Branch, Egypt.



### ❖ Courses

The main courses: Pharmacology, Toxicology, Clinical Toxicology, Pharmaceutics, Pharmacognosy, Biochemistry, Microbiology, Human Anatomy, Pathology, Parasitology, Histology, Analytical Chemistry, Organic and Inorganic Chemistry.

Special post-graduate courses: Instrumental Analysis, Physical Chemistry, Mathematics and Statistic, Advanced Pharmacology, Drug Pharmacokinetic, Bioassay and computer application

### ❖ Occupational Background

- 2010-2015: A researcher in Department of Pharmacology and Pharmacy-Faculty of Pharmacy –Minia University (Master Degree study).
- 2015-2019: A researcher in Department of Pharmacology and Pharmacy-Faculty of Pharmacy –Beni-Suef University (PhD study).
- 2018-2020: Assistant lecture in Department of Pharmacology and Pharmacy-Faculty of Pharmacy –South Valley University.
- 2020- to present: A lecturer in Department of Pharmacology and Pharmacy-Faculty of Pharmacy –South Valley University.

### ❖ Teaching Experience

- Teaching of Pharmacology (basic and clinical), Toxicology and Bioassay courses for under-graduate students of faculty of pharmacy, clinical pharmacy, South valley University.
- Teaching of Pathophysiology courses for clinical pharmacy students, Faculty of Pharmacy, South valley University.
- Teaching drug-drug interaction courses for clinical pharmacy students, Faculty of Pharmacy, South valley University.
- Teaching of Medical terminology courses for clinical pharmacy students, Faculty of Pharmacy, South valley University.
- Teaching of First aid courses for clinical pharmacy students, Faculty of Pharmacy, South valley University.



- Teaching of Pharmacology-1 and 2 courses for clinical pharmacy students, Faculty of Pharmacy, South valley University>
- Teaching of Pharmacy orientation courses for clinical pharmacy students, Faculty of Pharmacy, South valley University

❖ **Research Interest**

- Oxidative stress in vascular biology and cardiovascular diabetic diseases and their complications.
- Teaching advanced and biochemical pharmacology courses for post-graduate Minia and Al-Azhar Universities.

❖ **Research skills**

- Western blot analysis and protein chemistry
- Kymograph and organ bath for isolated aorta
- *In vivo and in vitro* pharmacological studies using (Data acquisition Power Lab system).
- Expertise in handling spectrophotometer and Flourmeter
- Biochemical techniques such as ELISA
- Expertise in biostatistical evaluation of biological data.

❖ **Computer skills**

ICDEL, Data analysis using specialized software's such as GraphPad PRISM. Statistical and reference database management and general software's like CS Sigma Stat, Sigma Plot, Endnote. Have good knowledge of WINDOWS and Mac operating systems, PowerPoint, MS Publisher, Adobe Acrobat., and Efficient in retrieval of scientific and general information from Internet.

❖ **Membership**

Member of Syndicate of Pharmacy



## ❖ **Publication**

- 1) Hofni A, El-Moselhy MA, Taye A, Khalifa MM.

Combination therapy with spironolactone and candesartan protects against streptozotocin-induced diabetic nephropathy in rats. *Eur J Pharmacol.* 2014 Dec 5;744:173-82. doi: 10.1016/j.ejphar.2014.10.021. Epub 2014 Oct 27.

- 2) **Hofni A**, Shehata Messiha BA, Mangoura SA.

Fasudil ameliorates endothelial dysfunction in streptozotocin-induced diabetic rats: a possible role of Rho kinase. ***Naunyn Schmiedeberg's Arch Pharmacol.* 2017 Aug;390(8):801-811. doi: 10.1007/s00210-017-1379-y. Epub 2017 May 11.**

- 3) Samuel G, Nazim U, Sharma A, Manuel V, Elnaggar MG, Taye A, Nasr NEH, **Hofni A**, Abdel Hakiem AF.

Selective Targeting of the Novel CK-10 Nanoparticles to the MDA-MB-231 Breast Cancer Cells. ***J Pharm Sci.* 2022 Apr;111(4):1197-1207. doi: 10.1016/j.xphs.2021.12.014. Epub 2021 Dec 17.**

- 4) Aboubakr EM, Ibrahim ARN, Ali FEM, Mourad A, Ahmad AM, **Hofni A**. Fasudil Ameliorates Methotrexate-Induced Hepatotoxicity by Modulation of Redox-Sensitive Signals. ***Pharmaceuticals (Basel).* 2022 Nov 19;15(11):1436. doi: 10.3390/ph15111436.**

- 5) Hassan AS, **Hofni A**, Abourehab MAS, Abdel-Rahman IAM Ginger Extract-Loaded Transethosomes for Effective Transdermal Permeation and Anti-Inflammation in Rat Model. ***J Int J Nanomedicine.* 2023 Mar 15;18:1259-1280. doi: 10.2147/IJN.S400604. 2023.**

- 6) **Hofni A**, Ali FEM, Ibrahim ARN, Aboubaker EM Renoprotective Effect of Thymoquinone against Streptozotocin-Induced Diabetic Nephropathy: Role of NOX2 and Nrf2 Signals..***Curr Mol Pharmacol.* 2023;16(8):905-914. Doi10.2174/1874467216666230125150112.**

- 7) Mourad MAE, Abo Elmaaty A, Zaki I, Mourad AAE, **Hofni A**, Khodir AE, Aboubakr EM, Elkamhawy A, Roh EJ, Al-Karmalawy AA

Novel topoisomerase II/EGFR dual inhibitors: design, synthesis and docking studies of naphtho[2',3':4,5]thiazolo[3,2-a]pyrimidine hybrids as potential anticancer agents with apoptosis inducing activity. ***J Enzyme Inhib Med Chem.* 2023 Dec;38(1):2205043. doi: 10.1080/14756366.2023.**



- 8) Rawan H. Hareeri, **Amal Hofni**  
Berberine Alleviates Uterine Inflammation in Rats via Modulating the TLR-2/p-PI3K/p-AKT Axis  
**International Immunopharmacology-141(2024)11293.**
- 9) Mai A E Mourad, Ahmed A E Mourad, Ayman Abo Elmaaty, **Amal Hofni**, Ahmed E Khodir, Esam M Aboubakr, Wagdy M Eldehna, Ahmed A Al-Karmalawy  
Novel inhibitors of oncogenic Wnt/TCF-4/ $\beta$ -catenin signaling pathway: Design, synthesis, molecular docking studies and apoptosis inducing activity of pyrimidothiazino-, dihydropyrimidotriazepino- and 1,3,4-thiadiazolopyrimido-indole hybrids  
**Bioorg Chem. 2025 Feb 26;157:108285.**
- 10) - Nabil A. Alhakamy· Abdulmohsin J. Alamoudi, · Wesam H. Abdulaal· Hani Choudhry · Hani Z. Asfour6 · Mohammed Wanees Al-Rabia · Osama M. Ashour · Ashraf B. Abdel-Naim2· **Amal Hofni** · Esam M. Aboubakr  
  
"Celastrol protects against cisplatin-induced ovarian toxicity via modulation of PPAR- $\gamma$  and AMPK"  
**Naunyn-Schmiedeberg's Arch Pharmacol (2025).**  
**<https://doi.org/10.1007/s00210-025-04322-5>**

#### ❖ **Conferences**

- The 13th International Conference on Pharmaceutical Sciences, Assiut University, Faculty of Pharmacy, Assiut, Feb 12 and 13, 2022.
- The Ninth International Conference on Pharmaceutical Sciences, Assiut University, Faculty of Pharmacy, Assiut, March 12 and 13, 2014.
- Conference on Pharmacy between Present and Hope, South Valley University. March 24, 2019. Held at the Faculty of Pharmacy at South Valley University.
- The Sixth Young Researchers Conference for Medical and Pharmaceutical Sciences, which was held at the Faculty of Pharmacy at South Valley University headquarters on August 24, 23, 2020



### ❖ الخبرات الادارية

- منسق لقسم الصيدلة الاكلينيكية –كلية الصيدلة جامعة جنوب الوادى
- عضوية وحدة القياس والتقويم كلية الصيدلة جامعة جنوب الوادى
- عضوية وحدة ضمان الجودة كلية الصيدلة جامعة جنوب الوادى
- مسئول معيار الموارد المادية فى وحدة ضمان الجودة كلية الصيدلة جامعة جنوب الوادى
- مسئول معيار الدراسات العليا فى وحدة الجودة كلية الصيدلة جامعة جنوب الوادى
- عضوية كئترولاء البرنامج العام (فارم دى) كلية الصيدلة جامعة جنوب الوادى

### ❖ المؤتمرات والدورات

- المؤتمر الدولي الثالث عشر للعلوم الصيدلانية بجامعة أسيوط ، كلية الصيدلة ، أسيوط ، فبراير 2022.
- المؤتمر الدولي التاسع للعلوم الصيدلانية بجامعة أسيوط ، كلية الصيدلة ، أسيوط ، 12 و 13 مارس 2014.
- المؤتمر الصيدلة بين الحاضر والمأمول بجامعة جنوب الوادى . 24, مارس 2019. الذي اقيم بكلية الصيدلة بمقر جامعة جنوب الوادى.
- المؤتمر شباب الباحثين السادس للعلوم الطبية والصيدلانية الذي اقيم بكلية الصيدلة بمقر جامعة جنوب الوادى يومي 23،24 أغسطس 2020
- الدورات التدريبية الخاصة بتنمية مهارات اعضاء هيئة التدريس كالاتى
- دورة معايير الجودة فى العملية التدريسية.
- دورة سلوكيات المهنة.
- دورة تنظيم المؤتمرات.
- دورة التخطيط الاستراتيجى.
- دورة النشر العلمى.
- دورة استخدام التكنولوجيا فى التدريس.
- دورة ادارة الاجتماعات الجامعية
- دورة الساعات المعتمدة



- دورة ادارة الفريق العلمى
- دورات التحول الرقمى
- Advanced Word
- Advanced Excel
- Advanced Power Point
- اجتياز دورة تدريبية بعنوان إعداد المفردة الاختبارية للقطاع الطبي ضمن خطة تطبيق المنظومة القومية للاختبارات الالكترونية بتاريخ 27 إبريل 2021 بوحدة إدارة مشروعات تطوير التعليم العالي
- ❖ ورش العمل
- • ورشة عمل على كتابة البحث العلمى-جامعة جنوب الوادى-يونيو-2022
- • ورشة عمل على مبادئ علم اللقاحات-كلية الصيدلة-جامعة حلوان-10-اكتوبر -2022
- • ورشة عمل تطبيقات الكروماتوجرافى على الكفاءة-كلية الصيدلة-جامعة جنوب الوادى
- • (HPLC)-2023-6-22.
- • ورشة عمل عن التغذية العلاجية والادويه لمرضى السكرى كلية الصيدلة-جامعة جنوب الوادى --21-نوفمبر-2023
- • ورشة عمل عن التغذية العلاجية والادويه لمرضى السكرى كلية الصيدلة-جامعة جنوب الوادى --20-فبراير-2024.
- • ورشة عمل عن مكافحة الفساد عقدت بكلية الصيدلة -يوليو-2024
- • ورشة عمل عن كيفية صيانة الاجهزة العلمية—يوليو-2024