

# Wessam Fahmy Hassan El-Hadidy

Professor, Head of Pharmacology & Experimental  
Therapeutics Dept., Medical Research Institute,  
Alexandria University, Egypt.



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**Nationality:** Egyptian

**Date of birth:** 1/1/1973

**Driving License:** A/6548436

**Status:** Married

## Education:

- **Doctor of Philosophy in Basic Medical Sciences in Pharmacology, Faculty of Medicine -Alexandria University – Egypt (July 2010).**
- **Master Degree in Basic Medical Sciences in Pharmacology, Faculty of Medicine-Alexandria University – Egypt (October 2004).**
- **MBBCH Degree in Medicine and Surgery," Excellent degree", Faculty of Medicine - Alexandria University – Egypt (October 1995).**
- **Diploma in Clinical Nutrition, obesity and Sports nutrition, “Excellent degree”, Ain Shams University- Egypt (May 2018).**

**Languages:** - Arabic “The mother language”

- English “Excellent”

- French “Good”

## **Working Experience:**

### **1.From 27/12/2022- now**

Professor of Pharmacology , Head of Pharmacology & Experimental Therapeutics Dept., Medical Research Institute, Alexandria University, Egypt.

### **1.From 1/9/2021- 26/12/2022**

Associate Professor of Pharmacology, Acting a head of Pharmacology & Experimental Therapeutics Dept., Medical Research Institute, Alexandria University, Egypt.

### **2.From 1 /9/ 2018 – 31/8/2021**

Associate Professor of Pharmacology, Faculty of Pharmacy, Pharos University in Alexandria , Egypt.

### **3.From 2 / 2017 – 31/8/2018**

Associate Professor of Pharmacology, Medical Research Institute, Alexandria University, Egypt.

### **3.From 10 / 2010 – 1/2017**

Lecturer of Pharmacology, Medical Research Institute, Alexandria University, Egypt.

### **4. From 03 / 2005- 9 / 2010**

Assistant Lecturer of Pharmacology, Medical Research Institute, Alexandria University, Egypt.

### **5. From 06 / 1998 – 02/ 2005**

Demonstrator of Pharmacology, Medical Research Institute, Alexandria University, Egypt.

### **6. From 10/1997- 05/1998**

GP at Abiss health unit ,Alexandria, Ministry of Health, Egypt.

### **7. From 05/1997- 09/1997**

GP at Sidi Beshr beach emergency unit, Alexandria, Ministry of Health, Egypt.

### **8. From 3/1996 - 02/1997**

House officer in Alexandria University Hospitals

### **Assignment periods:**

- 1- To The Faculty of Medicine ,Alexandria university (from 1999-2010)
- 2- To The Faculty of Pharmacy &Drug Manufacturing , Pharos University in Alexandria (from 2011- 2015)
- 3- To The Faculty of Nursing, Alexandria University (from 2016-2018)

### **Personal Skills:**

- 1-**Treasurer** of the Egyptian Association of Advancement of Basic Medical Sciences (**EAMBS**).
- 2-**A Founding member** in the Egyptian Association of Advancement of Basic Medical Sciences (**EAMBS**).
- 3- **Head of the Scientific Committee**, Medical Research Institute, Alexandria University
- 4- **An editorial board member of “Journal of Medical Research Institute” (JMRI)**
- 5- **A board member of the “Acta Scientific Nutritional Health Journal”.( ASNH)**
- 6- **A reviewer** for *Biomedicine & Pharmacotherapy Journal*
- 7- **A reviewer** for *Pharmaceutical Biology Journal*
- 8- **A reviewer** for *Journal of Medical Research Institute (JMRI)*
- 9- **A reviewer** for *Plant Cell Biotechnology and Molecular Biology Journal*
- 10- **A reviewer** for *Pharmaceutical Research International Journal*
- 11- **A reviewer** for *International Journal of Pharmaceutics (IJP)*.
- 12- **A reviewer** for *Egyptian Liver Journal (ELJ)*
- 13- **A reviewer** for *Biological and Biomedical Journal (BBJ)*
- 14- **A reviewer** for *Human and Experimental Toxicology Journal*
- 15- **A consultant** in the Ethics Committee of Scientific Research, Faculty of Nursing, Alexandria University.
- 16- **A member** in The Egyptian Society for Drugs and Experimental Therapeutics (**ESDET**)
- 17- **A member** in Egyptian Doctor Syndicate.
- 18- **A member** in the Egyptian Society of Gastroenterology, Motility and Hepatology (**ESGMH**)
- 19- **A member** in The Strategy planning Committee, MRI, Alexandria University
- 20- **A member** in the Community service and environmental development Committee, Medical research institute, Alexandria University.
- 21- **A member** in the Postgraduate Studies and Research committee,

Medical research institute, Alexandria University.

- 22- The General Secretary** for the annual conference, Medical research institute, Alexandria University.
- 23- An academic advisor** for Master degree students in Pharmacology , Medical Research Institute , Alexandria University.
- 24- A coordinator** for several courses in Pharmacology for Master degree students, Medical Research Institute, Alexandria University.
- 25- A member in the organizing committee** of the annual conference of the Medical Research Institute , Alexandria University.
- 26- Head of second year control**, Faculty of Pharmacy, Pharos University in Alexandria, Egypt.
- 27- Head of Sport Committee**, Faculty of Pharmacy, Pharos University in Alexandria, Egypt.
- 28- A member** in the Conference Committee, Faculty of Pharmacy, Pharos University in Alexandria, Egypt.

### **Publications**

- 1- Naglaa Fathi Abd El-Latif, Mona Hassan Elsayad, Dekam Eisay Abdulsalam, **El-Hadidy WF**, Gehan A. M. Khodear, Amani Kazem & Heba El-Hadad. Evaluation of the therapeutic efficacy of albendazole and nitazoxanide loaded chitosan nanoparticles against experimental echinococcosis . Journal of Parasitic Diseases 2025 July:1-13
- 2- **El-Hadidy WF** , Moyassar A Zaki, Heba Essam Sedkey, Noura A Matar, Asmaa A Khalifa, Menna Tallah M Abdel Ghany. Canagliflozin Reveals a Cardioprotective Effect in Acute Myocardial Infarction Management via Modulation of Wnt/  $\beta$ -catenin Pathway. CVREP Journal 2025 June; 9 (1): doi: 10.21608/cvrepj.2025.438153
- 3- Ming Ming Wen, Ibrahim A Abdelwahab, Rania Abozahra, Sarah M Abdelhamid, Kholoud Baraka, Heba Essam Sedky Ahmed, **El-Hadidy WF**. Sustainable nanophytosome-based therapies against multidrug-resistant Escherichia coli in urinary tract infections: an in Vitro and in vivo study. Journal of Nanobiotechnology 2025 Mar 6;23(1):174. doi: 10.1186/s12951-024-03006-1.
- 4- Basant A Abou-Taleb, **El-Hadidy WF** , Inas M Masoud, Noura A Matar, Hoda S Hussein. Dihydroquercetin nanoparticles nasal gel is a promising formulation for amelioration of Alzheimer's disease. Int J Pharm 2024 Dec 5:666:124814. doi:10.1016 /j.ijpharm . 2024. 124814.
- 5- Heba E Sedky, Yasmine N Elwany, Eman S El Alfy, Mona N Elwany, Yasmin M Nabil, Hazem F Manna, Mohamed A Abdelaziz, **El Hadidy WF**. Combined neurokinin-1 receptor antagonist and sorafenib is a promising approach for hepatocellular carcinoma therapy. Egyptian Liver Journal (2024) 14:57 doi.org/10.1186/s43066-024-00358-z

- 6- Elhalmoushy PM , Manal A. Elsheikh MA, Matar NA , **El-Hadidy WF**, Kamel MA , Omran GA , Elnaggar YS. Elaboration of novel gel-core oleosomes encapsulating phytoconstituent for targeted topical delivery in a vitiligo-induced mouse model: Focus on antioxidant and anti-inflammatory pathways. *Journal of Drug Delivery Science and Technology* 2023 February; 80, 104119. doi.org/10.1016/j.jddst.2022.104119
- 7- **El-Hadidy WF**, Hanan S El-Gowelly, Mennatallah A Gowayed, Noura A Matar, Sara H Tawfik. Chlorogenic Acid Reveals a Cardioprotective Effect in an Experimental Model for Myocardial Infarction Via Modulation of Autophagy, Apoptosis and Mtor/AMPK Pathway. *CVREP* 2023 June;7 (1)
- 8- Elhalmoushy PM , Manal A. Elsheikh MA, Matar NA , **El-Hadidy WF**, Kamel MA , Omran GA , Elnaggar YS. Novel Berberine-Loaded Hyalurosomes as A Promising Nanodermatological Treatment for Vitiligo: Biochemical, Biological and Gene Expression Studies. *Int J Pharm* 2022 Mar 5;**615:121523**. doi: 10.1016/j.ijpharm.2022.121523.
- 9- Khalifa AA , **El-Hadidy WF** , and Rashad RM . Thymoquinone protects against cardiac mitochondrial DNA loss, oxidative stress, inflammation and apoptosis in isoproterenol-induced myocardial infarction in rats. *Heliyon* 2021 Jul 14;**7(7):e07561**. doi: 10.1016/j.heliyon.2021.e07561.
- 10- Farag MM, Khalifa AA , **El-Hadidy WF** , and Rashad RM Thymoquinone dose-dependently attenuates myocardial injury induced by isoproterenol in rats via integrated modulations of oxidative stress, inflammation, apoptosis, autophagy, and fibrosis. *Naunyn Schmiedebergs Arch Pharmacol* 2021 Aug;**394(8):1787-1801**. doi: 10.1007/s00210-021-02087-1.
- 11- Khalifa AA , **El-Hadidy WF** , and Rashad RM . Effect of Thymoquinone on Mitochondrial DNA Together With Oxidative Stress, Inflammation and Apoptosis in Isoproterenol-Induced Myocardial Infarction Model. *European Heart Journal Supplements (2020) 22 (Supplement Q), Q1–Q4*. doi:10.1093/eurheartj/suaa211
- 12- Saleh SR, Abdelhady SA, Khattab AR, **El-Hadidy WF**. Dual prophylactic/ therapeutic potential of date seed, and nigella and olive oils-based nutraceutical formulation in rats with experimentally-induced Alzheimer's disease: A mechanistic insight. *J Chem Neuroanat.* 2020 Nov 2;**110:101878**. doi: 10.1016
- 13- Farag MM, Ashour EH, **El-Hadidy WF**. Amelioration of High Fructose Diet-Induced Insulin Resistance, Hyperuricemia, and Liver Oxidative Stress by Combined Use of Selective Agonists of PPAR- $\alpha$  and PPAR- $\gamma$  in Rats. *Dubai Med J* April 28, 2020 DOI: 10.1159/000506899
- 14- Farag MM, Ahmed SM, **El-Hadidy WF** , Rashad RM. Superior Protective Effects of Febuxostat Plus Alpha-Lipoic Acid on Renal Ischemia / Reperfusion-Induced Hepatorenal Injury in Rats. *Saudi J Kidney Dis Transpl* 2019;**30(6):1364-1374**.
- 15 - El-Mezayen NS, **El-HadidyWF**, El-Refaie W M, Shalaby Th I ,Khattab MM , El- Khatib AS . Oral vitamin-A-coupled valsartan nanomedicine: High hepatic stellate cell receptors accessibility and prolonged enterohepatic residence. *Journal of Controlled Release*2018; **283 :32–44**
- 16 - Doaa Ali Abdelmonsif DA, Sultan AS, **El-Hadidy WF**, Abdallah DM. Targeting

AMPK, mTOR and b-Catenin by Combined Metformin and Aspirin Therapy in HCC: An Appraisal in Egyptian HCC Patients. **Molecular Diagnosis & Therapy** 2018; 22:115–127.

- 17- El-Mezayen NS, **El-Hadidy WF**, El-Refaie W M, Shalaby Th I ,Khattab MM , El-Khatib AS . Hepatic stellate cell-targeted imatinib nanomedicine versus Conventional imatinib: A novel strategy with potent efficacy in experimental liver fibrosis . **Journal of Controlled Release** 2017; 266: 226–237.
- 18- Farag MM, Khalifa AA,**EL-Hadidy WF**, Rashad RM. Hepatorenal protection in renal ischemia/reperfusion by celecoxib and pentoxifylline.**journal of surgical research** 2016; (204 ): 183-91.
- 19- MadyRF , **El-Hadidy WF** , Elachy S. Effect of Nigella sativa oil on experimental toxoplasmosis. **Parasitology Research** 2016 January ;115(1) :379-390.
- 20- Hewedy W A, **El-Hadidy W F**. Neuroprotective effect of renin angiotensin system blockers on experimentally induced Alzheimer’s disease in rats. **International Journal of Basic & Clinical Pharmacology** 2015;4(5):853-9.
- 21- Rizk R E, **El-Hadidy W F**, Zoheir M A, Ibrahim N S.Evaluation of the anticarcinogenic effect of some peroxisome proliferator activated receptor ligands on dimethylbenz( $\alpha$ ) anthracene induced mammary tumor in female rats. **World Journal of Pharmaceutical Research** 2015;4(11):2078-99.
- 22- Mohamed A R, **El-Hadidy W F**, Mannaa H F. Assessment of the Prophylactic Role of Aspirin and/or Clopidogrel on Experimentally Induced Acute Myocardial Infarction in Hypercholesterolemic Rats.**Drugs R& D** 2014 December; 14(4): 233– 239.
- 23- Nayel O, **El-Hadidy W F**.“Targeting Neuroinflammation by Vascular Versus Metabolic Acting Drugs, in a Preventive or Therapeutic Approach, Using an Experimental Model of Sporadic Alzheimer’s Disease[sad]” **European Psychiatry**2015March;30:595.
- 24- Mohamed AR, **El-Hadidy WF**.Effect of orexin-A (hypocretin-1) on hyperalgesic and cachectic manifestations of experimentally induced rheumatoid arthritis in rats.**Can J PhysiolPharmacol** 2014; 92: 813–20
- 25- **El-Hadidy WF**, Mohamed AR ,Mannaa HF.Possible protective effect of procainamide as an epigenetic modifying agent in experimentally induced type 2 diabetes mellitus in rats. **Alexandria Journal of Medicine** 2015 March;51(1): 65-71
- 26- Elewa H, Zalat ZA, Oriquat G, Rifaat R, **El-Hadidy WF**, Yacoub S. Low-dose captopril and antioxidant combination as adjunct therapy in type-2 diabetic patients with coronary artery disease: A preliminary study.**Journal of Diabetology**, October 2011; 3:4.

27- Shalouh Z A, Nour El-Din KM, Shohayeb MY, Nasr MA, **El-Hadidy WF**. A Study on the Possible Protective Effect of Some Antioxidants in Cigarette Smoke-Induced Oxidative Stress in the Rat. **Bull Alex Fac Med 2005;41(4):805-15.**

**Research interests:**

- a. Myocardial infarction
- b. Breast Cancer
- c. Liver fibrosis
- d. Diabetes Mellitus
- e. Vitiligo

**Conferences, Symposia, Workshops:**

**I- Conferences & Symposia**

Actively participated in more than 100 international and national conferences as a speaker, poster presenter, chairperson, organizer, general secretary or attendee.

**II- WorkShops**

Actively participated in more than 30 workshops as Organizer, presenter or attendee.

**Supervision of Thesis**

I have supervised 19 master theses and 5 PhD theses up till now.

**Discussion of Thesis**

I have evaluated and discussed 11 master & PhD theses up till now

**Awarded Prizes:**

- 1- **The prize of the Best oral abstract Presentation** from Cardio Alex 25 International Conference June 2025. The presentation entitled: *“Canagliflozin reveals a cardioprotective effect in acute myocardial infarction management via modulation of Wnt/  $\beta$ -catenin pathway”*
- 2- **The prize of The Best E-Poster Presentation** from Cardio Alex 24 International Conference June 2024. The poster entitled: *Combined chlorogenic acid prophylaxis with carvedilol therapy reveals a pronounced cardio protective effect against myocardial infarction”*

- 3- **The prize of The Best E-Poster Presentation** from Cardio Alex 23 International Conference June 2023. The poster entitled: *“Chlorogenic acid reveals a cardioprotective effect in an experimental model of myocardial infarction via modulation of autophagy, apoptosis and mTOR/AMPK pathway”*
- 4- **The prize of The Best E-Poster Presentation** from Cardio Alex 22 International Conference June 2022. The poster entitled: *“Thymoquinone Dose Dependently Attenuates Myocardial Injury Induced by Isoproterenol in Rats via Integrated Modulations of Oxidative Stress, Inflammation, Apoptosis, Autophagy, and Fibrosis”*
- 5- **The prize of the Best Scientific Research** awarded by the EAMBS’ committee in a competition for best published scientific research in basic medical sciences, held on 30<sup>th</sup> April 2018 at the Faculty of Medicine, Alexandria University by the following research: *“Targeting AMPK, mTOR and b-Catenin by Combined Metformin and Aspirin Therapy in HCC: An Appraisal in Egyptian HCC Patients.”* Molecular Diagnosis & Therapy 2018; 22:115–127.
- 6- **The prize of the Best Scientific Research** awarded by the EAMBS’ committee in a competition for best published scientific research in basic medical sciences, held on 3<sup>rd</sup> May 2016 at the Faculty of Medicine, Alexandria University by the following Research: *“Effect of Nigella sativa oil on experimental toxoplasmosis”* Parasitology Research 2016; 115: 379–90
- 7- **Appreciation certificate** awarded by the EAMBS’ committee in a competition for best published scientific research in basic medical sciences, held on 3<sup>rd</sup> May 2016 at the Faculty of Medicine, Alexandria University by the following research *“Possible protective effect of procainamide as an epigenetic modifying agent in experimentally induced type 2 diabetes mellitus in rats ”*Alexandria Journal of Medicine 2015;51(1): 65-71
- 8- **Scientific research publication prize** awarded by Alexandria University in:  
August 2025, July 2025, February 2024, September 2023, October 2018, December 2017, April 2016, July 2015

