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1) EDUCATION

B.Sc. of Pharmacy (B.Pharm.), 2008

Faculty of Pharmacy, Mansoura University, Mansoura, Egypt

Diploma of clinical pharmacy (Ain Shams university) with grade Excellent, 2009

M.Sc. in Pharmacology & Toxicology, 2017

Department of Pharmacology and Toxicology, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt

Ph.D. in Pharmacology & Toxicology, 2020

Department of Pharmacology and Toxicology, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt

2) LICENSES

Registered Pharmacist (Egypt), 2008-Present.

3) ACADEMIC RESEARCH EXPERIENCE

- Abdelaziz, Rania R., **Mohammed kh Elmahdy**, and Ghada M. Suddek. "Flavocoxid attenuates airway inflammation in ovalbumin-induced mouse asthma model." *Chemico-biological interactions* 292 (2018): 15-23. (**impact factor 3.3**)
- Rania R. Abdelaziz, **Mohammed K.H. Elmahdy**, Afaf. T. Ibrahiem, Ghada M. Suddek. Trimetazidine improves allergen-induced airway inflammation in murine model of asthma.15. Egypt. J. Med. Sci. 37 (2) December 2016: 747-773.
- **ElMahdy, M. K.**, Helal, M. G., & Ebrahim, T. M. (2020). Potential anti-inflammatory effect of dapagliflozin in HCHF diet-induced fatty liver degeneration through inhibition of TNF- α , IL-1 β , and IL-18 in rat liver. *International Immunopharmacology*, 86, 106730.

Post-Doctoral Researches:

Antar, S. A., ElMahdy, M. K., & Khodir, A. E. (2021). A novel role of pirfenidone in attenuation acetic acid induced ulcerative colitis by modulation of TGF- β 1/JNK1 pathway. *International Immunopharmacology*, 101, 108289.

ElMahdy, M. K., Antar, S. A., Elmahallawy, E. K., Abdo, W., Hijazy, H. H. A., Albrakati, A., & Khodir, A. E. (2021). A Novel Role of Dapagliflozin in Mitigation of Acetic Acid-Induced Ulcerative Colitis by Modulation of Monocyte Chemoattractant Protein 1 (MCP-1)/Nuclear Factor-Kappa B (NF- κ B)/Interleukin-18 (IL-18). *Biomedicines*, 10(1), 40.

Elmahdy, M. K., Abdelaziz, R. R., Elmahdi, H. S., & Suddek, G. M. (2022). Effect of Agmatine on a mouse model of allergic airway inflammation: A comparative study. *Autoimmunity*, 1-12.

ElMahdy, M. K., Zaki, M. O., Al-Karmalawy, A. A., Abdo, W., Alnasser, S. M., & Antar, S. A. (2022). Glimepiride ameliorates renal toxicity induced by cadmium in mice: Modulation of Jun N terminal kinase (JNK)/nuclear factor kappa B (NF- κ B) and phosphatidylinositol 3-kinases (PI3K)/protein kinase (AKT) pathways. *Life Sciences*, 121184.

4) WORK & RESEARCH EXPERIENCE

1- Registered Community pharmacist , Mansoura, Egypt

2- Hospital Clinical pharmacist at Egyptian ministry of health .

3- Researcher at department of clinical pharmacy Ain Shams university (2009-2010)

4- Demonstrator of Pharmacology and Toxicology.

Department of Pharmacology & Toxicology, October 6 university, Egypt

5- Instructor of Pharmacology and Toxicology.

Department of Pharmacology & Toxicology, October 6 university, Egypt

6- Lecturer assistant at Pharmacology and Toxicology Department - Faculty of Pharmacy- Horus University

- 7- Lecturer at Pharmacology and Toxicology Department - Faculty of Pharmacy- Horus University.
- 8- Lecturer at Pharmacy practice Department - Faculty of Pharmacy- Horus University.

5) RESEARCH GRANTS

- Heart conference 2009 as a clinical pharmacist invited by clinical pharmacy department Ain-Shams university.
- Poster presentation at Tanta university, pharmacy faculty conference 2022
- Oral presentation at the 3rd International Conference of Mansoura Pharmaceutical Sciences- MU-Pharm 2022: Future Trends in Pharmacy, which is organized by Faculty of Pharmacy Mansoura University.

6) TEACHING EXPERIENCE

- 1- Demonstrating Pharmacology (laboratory experiments) to undergraduate students at Faculty of Pharmacy, October 6 University, Egypt.
- 2- Demonstrating Pharmacology and Toxicology (laboratory experiments) to undergraduate students at Faculty of Pharmacy, Horus University, Egypt.
- 3- Teaching Pharmacology course to dental undergraduate students at Faculty of Dentistry, Horus University, Egypt (2011 and 2012).
- 4- Teaching, Pharmacology-2 course to undergraduate students at Faculty of Pharmacy, Horus University, Egypt.
- 5- Teaching Toxicology and Forensic Chemistry course to undergraduate students at Faculty of Pharmacy, Horus University, Egypt.
- 6- Teaching Pharmacy practice-1 course to undergraduate students at Faculty of Pharmacy, Horus University, Egypt.
- 7- Teaching Medical and Pharmaceutical terminology course to undergraduate students at Faculty of Pharmacy, Horus University, Egypt.

8- Teaching Pharmacy Orientation course to undergraduate students at Faculty of Pharmacy, Horus University, Egypt.

9- Teaching Pharmacology-3 course to undergraduate students at Faculty of Pharmacy, Horus University, Egypt.

10- Teaching Pharmacology-1 course to undergraduate students at Faculty of Pharmacy, Horus University, Egypt.

11- Teaching Pharmacotherapy-1 course to undergraduate students at Faculty of Pharmacy, Horus University, Egypt.

12- Teaching Community pharmacy practice course to undergraduate students at Faculty of Pharmacy, Horus University, Egypt.

13- Teaching Clinical pharmacy practice-1 course to undergraduate students at Faculty of Pharmacy, Horus University, Egypt.

14- Teaching Pharmacy practice-2 course to undergraduate students at Faculty of Pharmacy, Horus University, Egypt.

7) SCHOOLS and TRAINING PROGRAMS

1-Scientific research principles course (**Mansoura university**).

2- Statistical analysis skills course (**Mansoura university**).

3- Journal club (an extracurricular course) (**Faculty of pharmacy- Mansoura university**).

4-OTC Workshop (**Faculty of Pharmacy–Mansoura University**).

5-Pharmaceutical Care Workshop (**El-Ezaby Pharmacy**).

6-First Aid Course (**Egyptian Red Crescent**).

7-Neural Language Programming Course (**Mind Map**).

8-Clinical Course (**Faculty of Medicine –Mansoura University**).

9-Enterpreneurships workshop (**Human Resource Course**).

10-TOEFL ITP (**ETS**).

11-International Computer Driving License (**UNISCO**).

12- Scientific research ethics course (**Mansoura University**).

13- Statistical analysis course (**Mansoura University**).

14- Scientific research publication course (**Mansoura University**).