



## Curriculum Vitae

- **Name: Rehab Mahmoud El-Sayed**
- **Title: Associate Professor**
- **Department: Pharmacology and Toxicology**
- **E-mail: [rehab.mahmoud@su.edu.eg](mailto:rehab.mahmoud@su.edu.eg)**

### A) Academic Qualifications:

- Bachelor's Degree in Pharmacy      University: Suez Canal University      Year:2005
- Masters Degree in Pharmacology and Toxicology      University: Suez Canal University Year:2014
- Ph.D in Pharmacology and Toxicology      University: Al-azhar Suez Canal University      Year:2017

- **Other Qualifications: Associate Professor** of Pharmacology and Toxicology and in charge of Pharmacology and Toxicology department

- E-Health Certificate-diploma program as an outcome of EU/Erasmus + Project: Knowledge Triangle, Innovation: Reinforcing of Education, Research: e Health and Medical Links. Project No.609506-EPP-1-2019-1-SE-EPPKA2-CBHE-JP from 20-august 2022 to 14 January 2023.

### B) Academic promotions :

- Assistant Lecturer,      Date:12-2014
- Lecturer,      Date:7-2017

### **C) Scientific Merit:**

- Google Scholar: Rehab M. El-Sayed,  
<https://scholar.google.com/citations?user=YJVITYgAAAAJ&hl=ar&oi=sra>
- Citations:171                      h-index:8                      i10-index:7
- Orcid –N: <https://orcid.org/0000-0003-4403-9313>

### **D) Scientific Activities**

#### **1: Membership of Professional Organizations and Scientific Societies**

**Head of the college social committee of Faculty of Pharmacy, Sinai University, (September 2018 till now).**

**• Chairman of the Student and Graduate Standards Committee Quality assurance of Faculty of Pharmacy, Sinai University, (September, 2019 till now).**

**Member in ASPT (American Society of Pharmacology and Toxicology)**

**Member of the Egyptian Pharmacists Syndicate**

#### **2: Training Courses/workshops:**

**Shared the training with successful completion of course: "the training of pain management for G.P. in remote locations in national training institute, ministry of health and population, Egypt. in national training institute, ministry of health and population, Egypt (2007).**

**2- Computer training program (2008).**

**4- Training programs on Microsoft Unlimited Potential 2003 program and Business Skills program: ICT for SMEs Toolkit under the supervision of Egypt ICT Trust Fund. (2009).**

**5- Working in Quality Assurance and Accreditation Unit at Faculty of Pharmacy, Sinai University (2018 to date).**

**6- Training programs on Description of Programs and Courses and Evaluation of Learning Outcomes for Colleges and Institutes of Higher Education, National Authority for Quality Assurance and**

Accreditation of Education (2019).

7- Nature Research Academies Workshop Logical Manuscript Structure (2020).

8- Nature Research Academies Workshop Bioethics (2020).

3: Conferences, Seminars and Workshops:

4: Teaching Scopes:

Pharmacology and Toxicology

5: Scientific supervision number: five

**E) Scientific Publications:**

R.M. El-Sayed, Y.M. Moustafa, and M.F. El-Azab, Evening primrose oil and celecoxib inhibited pathological angiogenesis, inflammation, and oxidative stress in adjuvant-induced arthritis:

novel role of angiopoietin-1. *Inflammopharmacology* 22 (2014) 305-317.

[2] M.I.A. Abd-El-Hamid, A.A.; Ahmed, H.I.; Abd-Alhaseeb, M.M.; El-Sayed, R.M Influence of L-arginine on Cisplatin-Induced Hepatotoxicity in both normally Fed and Protein Malnourished Rats. *IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS)* (2016 ) 74-86.

[3] R.M. El-Sayed, H.I. Ahmed, A.E.-L.S. Abd El-Lateef, and A.A. Ali, Apoptosis perturbations and expression of regulatory inflammatory factors in cisplatin-depleted rat livers under l-arginine protection. *Canadian Journal of Physiology and Pharmacology* 97 (2019) 359-369.

[4] A.A. Ali, D.M.A. El-Ella, S.Z. El-Emam, A.S. Shahat, and R.M. El-Sayed, Physical & mental activities enhance the neuroprotective effect of vinpocetine & coenzyme Q10 combination against Alzheimer & bone remodeling in rats. *Life sciences* 229 (2019) 21-35.

[5] R.A. Elgawish, M.A. El-Beltagy, R.M. El-Sayed, A.A. Gaber, and H. Abdelrazek, Protective role of lycopene against metabolic disorders induced by chronic bisphenol A exposure in rats.

Environmental Science and Pollution Research 27 (2020) 9192-9201.

[6] R.M. El-Sayed, R.E.A. El Gheit, and G.A. Badawi, Vincamine protects against cisplatin induced nephrotoxicity via activation of Nrf2/HO-1 and hindering TLR4/IFN- $\gamma$ /CD44 cells inflammatory cascade. Life Sciences 272 (2021) 119224.

[7] S.Y. Alomar, R.E. Gheit, E.T. Enan, K.S. El-Bayoumi, M.Z. Shoaer, A.Y. Elkazaz, S.S. Al Thagfan, S.A. Zaitone, and R.M. El-Sayed, Novel mechanism for memantine in attenuating diabetic neuropathic pain in mice via downregulating the spinal HMGB1/TLR4/NF- $\kappa$ B inflammatory axis. Pharmaceuticals 14 (2021) 307.

[8] T.S. Aldayel, H.G. Abdel-Rahman, H.N.G. El-Hak, H.M.A. Abdelrazek, R.M. Mohamed, and R.M. El-Sayed, Assessment of modulatory activity of Uncaria tomentosa extract against fipronil immunotoxicity in male rats. Ecotoxicology and Environmental Safety 224 (2021) 112674.

[9] M. El-Sherbiny, R.M. El-Sayed, M.A. Helal, A.T. Ibrahim, H.S. Elmahdi, M.A. Eladl, S.E. Bilal, A.M. Alshahrani, M.K. Tawfik, and Z.E. Hamed, Nifuroxazide Mitigates Angiogenesis in Ehrlich's Solid Carcinoma: Molecular Docking, Bioinformatic and Experimental Studies on Inhibition of Il-6/Jak2/Stat3 Signaling. Molecules 26 (2021) 6858.

[10] R.E. Abo El Gheit, N.A. Soliman, S.A. Nagla, R.M. El-Sayed, G.A. Badawi, M.N. Emam, M.T. Abdel Ghafar, M.A.A. Ibrahim, N.R.M. Elswaidy, and D.A. Radwan, Melatonin epigenetic potential on testicular functions and fertility profile in varicocele rat model is mediated by Silent information regulator1. British Journal of Pharmacology (2022).

[11] R. Alshaman, A. Alattar, R.M. El-Sayed, A.R. Gardouh, R.E. Elshaer, A.Y. Elkazaz, M.A. Eladl, M. El-Sherbiny, N.E. Farag, and A.M. Hamdan, Formulation and Characterization of Doxycycline-Loaded Polymeric Nanoparticles for Testing Antitumor/Antiangiogenic Action in Experimental Colon Cancer in Mice. *Nanomaterials* 12 (2022) 857.

[12] El Gheit, R.E.A.; Younis, R.L.; El-Saka, M.H.; Emam, M.N.; Soliman, N.A.; El-Sayed, R.M.; Hafez, Y.M.; AbuoHashish, N.A.; Radwan, D.A.; Khaled, H.E. Correction: Irisin improves adiposity and exercise tolerance in a rat model of postmenopausal obesity through enhancing adipo-myocyte thermogenesis. *Journal of physiology and biochemistry* 2023.

[13] El-Sayed, R.M.; Fawzy, M.N.; Zaki, H.F.; Abd El-Haleim, E.A. Neuroprotection impact of biochanin A against pentylentetrazol-kindled mice: Targeting NLRP3 inflammasome/TXNIP pathway and autophagy modulation. *International Immunopharmacology* 2023, 115, 109711.

[14] El-Sayed, R.M.; Abdelaziz, A.M.; Zaki, H.F.; Rasheed, N.O.A. Cilostazol novel neuroprotective mechanism against rotenone-induced Parkinson's disease in rats: Correlation between Nrf2 and HMGB1/TLR4/PI3K/Akt/mTOR signaling. *International Immunopharmacology* 2023, 117, 109986.

[15] Alshaman R, Qushawy M, Mokhtar HI, Ameen AM, El-Sayed RM, Alamri ES, Elabbasy LM, Helaly AMN, Elkhatib WF, Alyahya EM, Zaitone SA. Marula oil nanoemulsion improves motor function in experimental parkinsonism via mitigation of inflammation and oxidative stress. *Front Pharmacol.* 2023 Nov 23;14:1293306. doi: 10.3389/fphar.2023.1293306

***F) Quality Assurance in Higher Education:***

- **Head of the college social committee of Faculty of Pharmacy, Sinai University, (September 2018**



- **Chairman of the Student and Graduate Standards Committee Quality assurance of Faculty of Pharmacy, Sinai University, (September, 2019 till now).**

## **H) Skills**

- Language Skills: Arabic as a native language and fluent in English  
(Writing, reading, listening & speaking)
- Computer Skills:
  - 1- **ICDL, EGY1009908 (IT, Word, Power point, Excel, Access and Internet).**
  - 2- **Microlab in Pharmacology.**
  - 3- **PCCAL.**
  - 4- **Graph Pad Prism (Statistical analysis program).**
  - 5- **SPSS (Statistical analysis programs such as: Statistical Package for the Social Sciences)**

- Other skills:

### Laboratory Experience and Skills

1. Extensive experience in handling small laboratory animals (rats, mice and rabbits).
2. Different routes of injection including intravenous, intravitreal, subcutaneous, intradermal, Intramuscular, intraperitoneal in addition to oral gavage.
3. Minor animal's surgeries.
4. Immunohistochemistry of tissue sections [paraffin-embedded and frozen] as well as cells.
5. Photomicrography using both visible and fluorescent microscopy.
6. Image analysis using image j.
7. Biochemical and molecular techniques.
8. Conventional and real time PCR techniques.
9. Cell culture techniques.
10. Using Non-Invasive blood pressure method of blood pressure measurement.
11. Using isolated organ preparation apparatus.
12. Isolation of aortic ring from rat and mice.

13. Different animal model inductions in inflammation and analgesia field.

14. Different animal models in anxiety, depression and memory impairments