

## Curriculum Vitae



- **Name: Mohamed Raafat Abdalla Ali**
- **Title: Assistant professor**
- **Department: Pharmacology and Toxicology**
- **E-mail: raafatabdalla@hotmail.com**

### A) Academic Qualifications:

- |   |                   |            |
|---|-------------------|------------|
| - <b>Bachelor's degree</b> in pharmacology and toxicology | University: Cairo | Year: 1985 |
| - <b>Master's degree</b> in pharmacology and toxicology   | University: Cairo | Year: 1993 |
| - <b>Ph. D</b> in pharmacology and toxicology             | University: Cairo | Year: 2002 |

### B) Academic promotions:

- |                               |            |
|-------------------------------|------------|
| - <b>Demonstrator,</b>        | Date: 1985 |
| - <b>Assistant Lecturer,</b>  | Date: 1993 |
| - <b>Lecturer,</b>            | Date: 2002 |
| - <b>Assistant Professor,</b> | Date: 2008 |

### C) Scientific Merit:

- Google Scholar: <https://scholar.google.com/citations?hl=en&user=jIdEqSQAAAAJ>
- Scopes ID: 56660952500
- Citations: 340                      h-index: 12                      i10-index: 13
- ORCID number: 0000-0002-1052-2940.

### D) Academic Administrative Experiences:

- **Member of the Performance Appraisal and Development Committee**, Faculty of Pharmacy, Cairo University.
- **Head of the Committee of Laboratory Instrumentation**, Department of Pharmacology & Toxicology, Faculty of Pharmacy, Cairo University.
- **Head of "Planning & Curriculum Development Unit"**, Dubai Pharmacy College, Dubai, UAE.
- **Member of the Laboratory Instrumentation Committee**, College of Pharmacy, Umm Al-Qura University, KSA
- **Head of the Library Committee**, College of Pharmacy, Umm Al-Qura University, KSA
- **Head of Pharmacology and Toxicology Department**, College of Pharmacy, Umm Al-Qura University, KSA, from October 2008 to September 2011.
- **Vice dean**, hospital affairs, College of Pharmacy, **Umm Al-Qura University**, KSA, from December 2012 to November 2017.
- **Program coordinator, M.Sc. of pharmacology**, department of pharmacology and toxicology, College of Pharmacy, Umm Al-Qura University, KSA, from October 2020.
- **Member of the Curriculum Development Unit**, College of Pharmacy, Umm Al-Qura University, KSA, from October 2022.

- **Head of Curriculum and Study Planes Committee**, department of pharmacology and toxicology, College of Pharmacy, Umm Al-Qura University, KSA, from November 2022.
- **Member of Academic Promotion and Faculty Affairs Committee**, department of pharmacology and toxicology, College of Pharmacy, Umm Al-Qura University, KSA, from November 2022.
- **Member of Laboratory and Instrumentation Committee**, department of pharmacology and toxicology, College of Pharmacy, Umm Al-Qura University, KSA, from November 2022.

## **E) Scientific Activities**

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

- Member of the **Egyptian Pharmaceutical Society**.
- Member of the **Egyptian Society of Pharmacology and Experimental Therapeutics**.

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

- **Prerequisite Postgraduate Courses** (Statistics, mathematics, instrumental analysis and physical chemistry), Faculty of Pharmacy, Cairo University, November 1987 (General grade: Excellent).
- **Special course in Pharmacology & Toxicology**, Faculty of Pharmacy, Cairo University, May 1989 (General grade: Excellent).
- **Advanced course in "Mastering Computer Basic Programs**, Faculty Preparation Unit, Cairo University, November 8 - December 4, 1997
- **Teaching Skills, Education Psychology and Learning Capabilities**, Faculty Preparation Unit, Cairo University, March 14 - April 2, 1998.
- **First Aid, Theory & Practice**, The Medical Education Development Center, Cairo University, 18 - 23 January, 2003.
- **Faculty and Leadership Development Program (FLDP), Cairo University:**
  - o Enhancement of thinking skills. (2005)
  - o Presentation skills. (2005)
  - o Communication skills. (2005)
  - o Methods in education. (2005)
  - o Quality standards in teaching. (2008)
  - o Quality standards in examinations and student evaluation. (2008)
- **Pharmacy Education Using Computer-Based Knowledge (PECK), a TEMPUS project workshop, March, 2005.**
- **International Computer Driving License (ICDL), 2006.**
- **E- learning: Principle, environment, content building, course management, e-exams and evaluation tools:** A workshop delivered by the Canadian expert David Maurer, held in the Deanship of Electronic and Distance Learning, Umm Al-Qura University, KSA, on 27-31 October 2013.

### **3: Conferences, Seminars and Workshops:**

- Attendant of the "**XXV Conference of Pharmaceutical Sciences**", Egyptian Society of Pharmacology and Experimental Therapeutics, Cairo Meridian Hotel, 24 - 26 December **1996**.
- Active participant (poster presenter) in the first "**International Conference of Pharmaceutical and Drug Industries**", National Research Center, Cairo, 24 - 26 March **2003**.
- Participant in the First Arab Conference of "**Hazards of Chemical, Biological and Nuclear War on Human Health and Environment**", Arab League, Cairo, 20 April **2003**.
- 
-

- Attendant of the National TEMPUS Information Day "**Enhancing the Euro-Egyptian Partnership in Higher Education**", Faculty of Engineering, Ain Shams University, Cairo, 29 September **2003**.
- Attendant of the "**National TEMPUS Projects Forum**", Cairo University Conference Center, Cairo, Egypt, 4 April **2005**.
- Attendant of the "**First International Medical Education Conference**", Bibliotheca Alexandrina, Alexandria, Egypt, April **2005**.
- Attendant of the "**International Medical Conference of the Federation of Royal Colleges of Physicians of the UK**", Dubai, UAE, March **2006**.
- Attendant of "**Dubai International Pharmaceuticals & Technologies Conference & Exhibition (DUPHAT)**", Dubai, UAE, 13-15 March **2006**.
- Attendant of "**Dubai International Pharmaceuticals & Technologies Conference & Exhibition (DUPHAT)**", Dubai, UAE, 20-22 March **2007**.
- Active participant (poster presenter) in "**Dubai International Pharmaceuticals & Technologies Conference & Exhibition (DUPHAT)**", Dubai, UAE, 10-12 March **2008**.
- Active participant (workshop member) in "**The First National Conference on Rational Drug Use**", held in Sheraton Hotel, Abu Dhabi 15-16 May **2008**.
- Active participant (workshop member) in "**Pharmacology Laboratory Simulations**", a CME accredited workshop, held in King Fahd Medical Research Center, King Abdul-Aziz University, Jeddah, KSA, 18-22 January **2009**.
- Attendant of the First "**International Scientific Meeting of Faculty of Pharmacy, Umm Al Qura University**" held in the university compass, Makkah, 16-18 March, **2013**.
- Active participant (workshop member) in the "**Umm Al Qura University- Medical Spine (UQU- MS) hospital strategic plan**", a workshop held in Jeddah Meridian, 6-8 Jan, **2014**.
- Active participant (workshop member) in "**Pharmacy Practice Model Initiative (PPMI) Organizational Assessment**", a CME accredited workshop organized by Ministry of National Guard-Health Affairs in Park Hyatt Hotel, Jeddah, 23 November, **2014**.
- Active participant (organizer) of "**Exploring a New Horizon in Pharmacy Practice in Saudi Arabia**", a conference held by Ministry of National Guard-Health Affairs in collaboration with King Saud Bin Abdul-Aziz University for Health Sciences-Jeddah and King Abdul-Aziz Medical City for National Guard, Western Region, in Park Hyatt, Jeddah, 23-24 November, **2014**.
- Active participant (workshop member) in "**Principles of Assessment**", a workshop, held in the Faculty of Pharmacy, Umm Al Qura University, February 8<sup>th</sup>, **2015**.
- Active participant (workshop member) in "**Problem Based Learning**", a workshop, held in the Faculty of Pharmacy, Umm Al Qura University, March 9<sup>th</sup>, **2015**.
- Active participant (organizer) in "**The First Career Day of the Faculty of Pharmacy**", held in Umm Al Qura University, King Abdul-Aziz Memorial hall, 23 April, **2015**.
- Attendant of "**Safe Medication Practice (SMP): Implication of Informatics and Automation**", a symposium held in King Abdullah Medical City, Makkah, 24 December, **2015**.
- Active participant (workshop member) in "**Assessment for Learning**", a two-day's workshop, held in Umm Al Qura University, King Abdul-Aziz Memorial hall, 24-25 January, **2016**.
- Active participant (organizer) of "**First Pharmaceutical Conference: From Bench to Bedside**", a conference held by the College of Pharmacy, Umm Al Qura University in collaboration with Security Forces Hospital, Makkah, 13-14 April, **2016**.
- 
-

- Active participant (workshop member) in "**Fundamentals and tools for Student Learning Assessment**", a three-day's workshop, held in College of Pharmacy, Umm Al Qura University, 8-10 May, **2016**.
- Attendant of the second international conference on "**Exploring New Horizons of Pharmacy Practice**", held by Ministry of National Guard-Health Affairs in collaboration with King Saud Bin Abdul-Aziz University for Health Sciences-Jeddah and King Abdul-Aziz Medical City for National Guard, Western Region, in Intercontinental Hotel, Jeddah, 16-18 April, **2017**.
- Attendant of the annual meeting of the Saudi Pharmaceutical Society (SPS) entitled: "**SIPHA: Saudi Pharmaceutical Science Meeting & Workshops**" held at The Ritz-Carlton Hotel, Jeddah, on January 23-24, **2019**.
- Attendant of the **2nd Saudi Toxicology Symposium**, sponsored by the Ministry of Health in collaboration with the College of Medicine, Umm Al Qura University, held at the Maternity & Children Hospital, Makkah, on March 5-7, **2019**.
- Attendant of the **2nd Annual Meeting of Saudi Toxicology Society (STS)**, held online at Virtual Medical Academy, November 01-03, **2022**.

#### 4: Teaching Scopes:

- Teaching and demonstration of the experimental techniques of **Pharmacology, Toxicology, Drug discovery and Evaluation**, for the undergraduate students from December 1986 to June 2002.
- Teaching **Qualitative Analysis of Poisons** for the postgraduate students of diplomat of toxicology from May 1994 to June 2002
- Teaching **Advanced Pharmacology** for the postgraduate students of Diplomat and M. Sc. of pharmacology from May 2002 to May 2005.
- Teaching **Biostatistics, Drug Discovery and Evaluation** for the 4<sup>th</sup> year undergraduate students of Faculty of Pharmacy, Cairo University from September, 2002 to September 2005.
- Teaching **Molecular pharmacology** for the students of the biophysics, Faculty of Science, Cairo University in the academic year 2002/ 2003.
- Teaching **Basic Pharmacology** for the 3<sup>rd</sup> year undergraduate students of Faculty of Pharmacy, Cairo University, academic year 2003 / 2004.
- Teaching **Drug Abuse** for the students of Faculty of Pharmacy, Misr International University (MIU), academic years 2003/ 2004 and 2004/2005.
- Teaching **Toxicology** for the students of Faculty of Pharmacy, Misr International University (MIU), academic years 2003/ 2004 and 2004/2005.
- Teaching **Pharmacology, Toxicology and Pharmacotherapy**, for the students of Dubai Pharmacy College (DPC), Dubai, UAE from September 2005 to September 2008.
- Teaching **Pharmacology, Toxicology and Therapeutics** for the students of College of Pharmacy, Umm Al-Qura University, Makkah, KSA from October 2008 to June 2023.

#### 5: Scientific supervision number:

1. **Possible hepatoprotective effect of lipoic acid alone and with certain antioxidants in liver injury in rats, 2006.** A M.Sc. thesis submitted to the Faculty of Pharmacy, Cairo University.
2. **Pharmacological study of some possible interactions between sildenafil and some antihypertensive agents in experimental animals, 2006.** A M.Sc. thesis submitted to the Faculty of Pharmacy, Cairo University.
- 3.

4. **Pharmacotoxicological aspects of some central nervous system acting drugs in experimental animals, 2007.** A M.Sc. thesis submitted to the Faculty of Pharmacy, Cairo University.

#### 6: Awards and Certificates of Appreciation:

#### 7: Peer reviewing of scientific research/ Projects:

- **Phytochemical and biological screening and evaluation of some wild plants growing in Saudi Arabia for potential antihypertensive activity and isolation of their active constituent.** An ISR funded project No: 4331006, contract signed in Rajab 1434 (co-investigator). Fund: 285000 SR.
- **Hepatoprotective activity of *Acacia tortilis* growing in Makkah against carbon tetrachloride-induced hepatotoxicity in rats.** An ISR funded project No: 4331009, contract signed in Rajab 1434 (co-investigator). Fund: 145600 SR.
- **Role of the IL-1 $\beta$  inhibitor diacerein in testosterone-induced benign prostatic hyperplasia in rats.** A DSR funded project code: 19-MED-1-01-0050, contract signed in Sha'ban, 1441 (principal investigator). Fund: 73000 SR.

#### 8: Scientific Missions:

#### 9: Patency:

#### 10: Consultancy Experience:

#### 11: Other Activities:

### F) Scientific Publications:

Last 10 year of published scientific papers: 18 international publications:

1. Manami Dhibar, M.; Chakraborty, S.; Basak, S.; Pattanayak, P.; Chatterjee, T.; Balaram Ghosh, B.; **Raafat, M.**; Abourehab, M.A.S.  
**Critical Analysis and Optimization of Stoichiometric Ratio of Drug-Cofomer on Cocrystal Design: Molecular Docking, In Vitro and In Vivo Assessment.**  
*Pharmaceuticals* **2023 Feb 13**, *16* (2): 284-308  
<https://pubmed.ncbi.nlm.nih.gov/37259428/>  
<https://www.mdpi.com/1424-8247/16/2/284>
2. Mahgoub, S.A; Qattan, S.Y. A.; Salem, S.S.; Abdelbasit, H.M.; **Raafat, M.**; Ashkan, M.F.; Al-Quwaie, D.A.; Motwali, E.A.; Alqahtani, F.S.; Abd El-Fattah, H.I.  
**Characterization and Biodegradation of Phenol by *Pseudomonas aeruginosa* and *Klebsiella variicola* Strains Isolated from Sewage Sludge and Their Effect on Soybean Seeds Germination.** *Molecules*, **2023 Jan 26**, *28*(3): 1203-1221  
<https://pubmed.ncbi.nlm.nih.gov/36770871/>  
<https://www.mdpi.com/1420-3049/28/3/1203>
3. El-Kasrawy, N.I; Majrashi, K.A.; El-Naggar, K.; Abd Elreheim, A.M.; Essa, B.H.; Mahmoud, S.F.; Ibrahim, S.A.; **Raafat, M.**; Abd El-Hack, M.E.; Aboghanima, M.M.



- Impacts of supplemental Ginkgo biloba oil on broilers' growth, blood indices, intestinal and hepatic morphology and expression of growth-related genes.** *Poultry Science* **2023 Jan 20**, 102:102520-102530.  
<https://pubmed.ncbi.nlm.nih.gov/36889042/>  
<https://doi.org/10.1016/j.psj.2023.102520>
4. Haseeb, A.; Saleem, Z.; Altaf, U.; Batool, N.; Godman, B.; Ahsan, U.; Ashiq, M.; Razzaq, M.; Hanif, R.; Huma, Z.E.; Amir, A.; Hossain, M.A.; **Raafat, M.**; Radwan, R.M.; Iqbal, M.S.; Kamran, S.H.
  5. **Impact of Positive Culture Reports of *E. coli* or MSSA on De-Escalation of Antibiotic Use in a Teaching Hospital in Pakistan and the Implications.** *Infect Drug Resist.* **2023 Jan 5**, 16: 77-86.  
<https://pubmed.ncbi.nlm.nih.gov/36636371/>  
<https://www.dovepress.com/impact-of-positive-culture-reports-of-e-coli-or-mssa-on-de-escalation--peer-reviewed-fulltext-article-IDR>
  6. Saleem, Z.; Haseeb, A.; Godman, B.; Batool, N.; Altaf, U.; Ahsan, U.; Khan, F.U.; Mustafa, Z.U.; Nadeem, M.U.; Farrukh, M.J.; Mugheera, M.; Ur Rehman, I.; Khan, A.F.; Saeed, H.; Hossain, M.A.; **Raafat, M.**; Radwan, R.M.; Iqbal, M.S. **Point Prevalence Survey of Antimicrobial Use during the COVID-19 Pandemic among Different Hospitals in Pakistan: Findings and Implications.** *Antibiotics* **2022 Dec 30**, 12(1):70-84.  
<https://pubmed.ncbi.nlm.nih.gov/36671271/>  
<https://www.mdpi.com/2079-6382/12/1/70>
  7. Elsayed, M.M.A.; Aboelez, M.O.; Elsadek, B.E.M.; Sarhan, H.A.; Khaled, K.A.; Belal, A.; Khames, A.; Hassan, Y.A.; Abdel-Rheem, A.A.; Elkaeed, E.B.; **Raafat, M.**; Elsadek, M.E.M. **Tolmetin Sodium Fast Dissolving Tablets for Rheumatoid Arthritis Treatment: Preparation and Optimization Using Box-Behnken Design and Response Surface Methodology.** *Pharmaceutics*, **2022**, 14(4):882-904.  
<https://pubmed.ncbi.nlm.nih.gov/35456714/>  
<https://www.mdpi.com/1999-4923/14/4/880>
  8. Belal, A.; Elanany, M.A.; **Raafat, M.**; Hamza, H.T.; Mehany, A.B.M. **Calendula Officinalis Phytochemicals for Treatment of Wounds Through Matrix Metalloproteinase-8 & 9 (MMP-8 and MMP-9): In Silico Approach.** *Nat Prod Commun.* **2022**, 17(5): 1-16.  
<https://journals.sagepub.com/doi/full/10.1177/1934578X221098848>
  9. **Raafat, M.**; Kamel, A.A.; Shehata, A.H.; Ahmed, A.F.; Bayoumi, A.M.A.; Moussa, R.A.; Abourehab, M.A.S.; El-Daly, M. **Aescin protects against experimental BPH in the rat via suppression of the inflammatory cytokine/COX-2 axis.** *Pharmaceutics*, **2022**, 15(2): 130.  
<https://pubmed.ncbi.nlm.nih.gov/35215244/>  
<https://www.mdpi.com/1424-8247/15/2/130>
  10. Farhan, S.M.; **Raafat, M.**; Abourehab A.S.; Abd El-Baky, R.M.A.; Abdalla, S.; EL-Gendy, A.O.; Azmy, A.F.

**Effect of Imipenem and Amikacin Combination Against Multi-Drug Resistant *Pseudomonas aeruginosa*. *Antibiotics* 2021, 10 (11):1429.**

<https://pubmed.ncbi.nlm.nih.gov/34827367/>

<https://www.mdpi.com/2079-6382/10/11/1429>

**11. Raafat, M.; El-Sayed, A.S.A.; El-Sayed, M.T.**

**Biosynthesis and Anti-Mycotoxigenic Activity of Zingiber officinale Roscoe-Derived Metal Nanoparticles. *Molecules*, 2021, 26 (8): 2290.**

<https://pubmed.ncbi.nlm.nih.gov/33920949/>

<https://www.mdpi.com/1420-3049/26/8/2290>

**12. Islam, N.; Irfan, M.; Khan, S.-U.-D.; Syed, H.K.; Iqbal, M.S.; Khan, I.U.; Mahdy, A.; Raafat, M.; Hossain, M.A.; Inam, S.; Munir, R.; Ishtiaq, M.**

**Poloxamer-188 and D- $\alpha$ -Tocopheryl Polyethylene Glycol Succinate (TPGS-1000) Mixed Micelles Integrated Orodispersible Sublingual Films to Improve Oral Bioavailability of Ebastine; In Vitro and In Vivo Characterization. *Pharmaceutics*, 2021, 13(1): 54-74.**

<https://pubmed.ncbi.nlm.nih.gov/33406587/>

<https://www.mdpi.com/1999-4923/13/1/54>

**13. Al Shayban, D.M., Naqvi, A.A., Islam, M.A., Almaskeen, M., Almulla, A., Alali, M., Al Qaroos A., Raafat, M., Iqbal M.S. and Haseeb A.**

**Patient Satisfaction and Their Willingness to Pay for a Pharmacist Counseling Session in Hospital and Community Pharmacies in Saudi Healthcare Settings. *Front. Pharmacol.*, 2020, 11:138-149.**

<https://pubmed.ncbi.nlm.nih.gov/32194400/>

**14. El-Sayed, H. G. M., Thabet, A. A., Ali1, M. M. I., Abdalla, M. R.**

**Low-energy Gallium Arsenide Laser Versus Polarized Light on Healing of Full-thickness Wound in Rats. *Bioscience Res.*, 2020, 17(1): 25-32.**

[https://www.isisn.org/BR17\(1\)2020/25-32-17\(1\)2020BR20-02.pdf](https://www.isisn.org/BR17(1)2020/25-32-17(1)2020BR20-02.pdf)

**15. Al Qarni, K., Al Qarni, E.A., Naqvi, A.A., Al Shayban, D.M., Ghori, S.A., Haseeb, A., Raafat, M. and Jamshed, S.**

**Assessment of Medication Adherence in Saudi Patients With Type II Diabetes Mellitus in Khobar City, Saudi Arabia. *Front. Pharmacol.*, 2019, 10:1306-1314.**

<https://pubmed.ncbi.nlm.nih.gov/31787894/>

**16. Mukhtar, M.H., Al Malki, W.H., Azmat, A., Abdalla, M. and Ahmed, M.**

**Evaluation of Anti-diabetic Activity of Acacia Tortilis (Forssk.) Hayne Leaf Extract in Streptozotocin-induced Diabetic Rats. *Int. J. Pharmacol.*, 2017, 13: 438-447.**

<https://scialert.net/abstract/?doi=ijp.2017.438.447>

**17. El-Ghaly, E. M., Shaheen, U., E., Ragab, El-hila, A. and Abd-Allah. M.**

**Bioactive constituents of *Pulicaria jaubertii*: A promising antihypertensive activity. *Pharmacognosy J.*, 2016, 8(1): 81-86.**

<https://www.phcogj.com/article/135>

18. Ragab, E.A. and Raafat, M.

**A new monoterpene glucoside and complete assignments of dihydroflavonols of *Pulicaria jaubertii*: Potential cytotoxic and blood pressure lowering activity.** *Nat. Prod. Res.* **2016**, *30*:1280-1288.

<https://pubmed.ncbi.nlm.nih.gov/26247309/>

<https://www.tandfonline.com/doi/abs/10.1080/14786419.2015.1055492?journalCode=gnpl20>

19. Abdalla, M. R., Al Malki, W. and Ahmed, M.

**Paroxetine augments while naloxone abolishes the analgesic effect of paracetamol in acute nociceptive pain in mice.** *Pharmacol. Pharmacy*, **2013**; *4*: 398-405.

20. <https://www.scirp.org/journal/paperinformation.aspx?paperid=33811>

### **G) Quality Assurance in Higher Education:**

- Reviewer/Auditor
- QA Trainer
- QA Managing Positions
- Training Attended

### **H) Skills**

- Language Skills: English language, written and spoken: Perfect
- Computer Skills: International Computer Driving License (ICDL), 2006.
- Presentation skills: Excellent
- Other skills: .....