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Wafaa Rabee Mohamed, Ph.D

Personal Data

Nationality **Egyptian**
Date of Birth **10 August 1983**
Contact address **Hassan Maghraby St. - from Omar Ebn Al Khatab St. - Al Azhari- Beni- suef, Egypt**

Education

- 2012 - 2015** **Ph.D, Beni-Suef University, Faculty of Pharmacy**
PhD degree in pharmaceutical sciences, Title: "Pharmacological Study on the Possible Protective Effects of Certain Antioxidants against Cisplatin-Induced Hepatotoxicity and Nephrotoxicity".
- 2007 - 2012** **M.Sc., Beni-Suef University, Faculty of Pharmacy**
Master degree in pharmaceutical sciences, Pharmacology and Toxicology. Title: "pharmacological study of the possible interaction between certain antidiabetic and antianxiety drugs in experimentally-induced diabetic animals".
- 2006 - 2007** **Pre-Master Courses, Cairo University, Faculty of Pharmacy**
Successfully completed the general Pre-Master courses (Statistics, Computer Sciences, and English Language) and special courses of Pharmacology and Toxicology department (Pathophysiology, Immunopharmacology, Bioassay, Toxicometrics) with a general grade of "Excellent"
- May 2005** **B.Sc., Cairo University, Beni-Suef campus, Faculty of Pharmacy**
Bachelor degree of Pharmaceutical Sciences with a general grade of "Excellent With Honors".

Other Postgraduate Courses

Successfully Completed The Beni-Suef University Courses of:

- Use of Current Technology in Teaching
- Communication Skills
- Preparation of Faculty and Leadership members
- International Publishing of Scientific Research
- Managing Time and Meetings
- Research Ethics
- University Management
- Legal and Financial aspects in University environment
- Presentation skills

Work & Research Experience

<i>2015 - present</i>	Lecturer of Pharmacology and Toxicology Faculty of Pharmacy, Beni-Suef University, Egypt.
<i>2012- 2015</i>	Assistant Lecturer of Pharmacology and Toxicology at Beni-Suef University, Faculty of Pharmacy , Egypt
<i>2005 - 2012</i>	Instructor and teaching assistant of Pharmacology & Toxicology Faculty of Pharmacy, Cairo University, Beni-Suef campus, Egypt.

Teaching Experience

Participated in teaching the following classes organized by the Pharmacology and Toxicology Department For:

Graduate pharmacy students:

- Pathophysiology
- Pharmacometrics
- Toxicometrics
- Experimental Pharmacology
- Clinical Pharmacology
- Drug Abuse
- Pharmacology and natural products

Undergraduate Pharmacy Students:

- Basic pharmacology
- Toxicology
- Chemotherapeutic and anticancer drugs
- Drug Interactions
- Therapeutics
- Clinical Pharmacology
- Bioassay and Biostatistics
- First Aid
- Pharmaceutical Legislations
- Medical Terminology

Skills & Activities

<i>Research Skills</i>	Cancer Biology, Cell Signaling, Cancer Chemoprevention, Clinical Toxicology, Cell Culture, Western blot, PCR, Electrophoresis, Gene Expression, Apoptosis, Molecular Mechanisms of Pharmacological Action, In Vitro Pharmacology, Clinical Pharmacology, Medicinal Plants and Herbs.
<i>Languages</i>	Arabic (native) English (fluent)
<i>Scientific Memberships</i>	The General Syndicate of Pharmacists in Egypt The Egyptian Association of Pharmacists
<i>Interests</i>	Diabetes mellitus and anti-diabetic agents Molecular mechanisms of natural anticancer drugs Molecular pharmacology as a basis for drugs development Oxidative stress implication in the pathophysiology of clinical disorders Neuropharmacology

Journal Publications

1. **Mohamed WR**, El-Sherbiny GA., Zaki HF., El Sayed ME. Possible modulation of the antidiabetic effect of rosiglitazone by buspirone. *Bulletin of Faculty of Pharmacy, Cairo University*, 2012 June 50 (1): 73-79.
2. **Mohamed WR**, El-Sherbiny GA., Zaki HF., El Sayed ME. Modulation of the antidiabetic effect of glimepiride by diazepam in diabetic rats. *British Journal of Pharmacology and Toxicology*, 2012; 3(5): 190-196.
3. **Mohamed WR**, Arafa el-SA, Shehata BA, El Sherbiny GA, Elgendy AM. Beneficial effects of hesperidin against cisplatin-induced nephrotoxicity and oxidative stress in rats. *British Journal of Pharmacology and Toxicology*, 2015 July; 6(3): 56-63.
4. M.A. Abdelgawad, R.B. Bakr, O.A. Alkhoja, **W.R. Mohamed**. Design, synthesis and antitumor activity of novel pyrazolo[3,4-d]pyrimidine derivatives as EGFR-TK inhibitors. *Bioorganic Chemistry*, 2016 Jun; 66: 88-96
5. Omar HA, **Mohamed WR**, Arafa el-SA, Shehata BA, El Sherbiny GA, Arab HH, Elgendy AM. Hesperidin alleviates cisplatin-induced hepatotoxicity in rats without inhibiting its antitumor activity. *Pharmacological Reports*, 2016 April; 68 (2): 349–356
6. Omar HA, **Mohamed WR**, Arab HH, Arafa el-SA. Tangeretin alleviates cisplatin-induced acute hepatic injury in rats: Targeting MAPKs and apoptosis. *PloS One*, 2016 Mar; 11(3): e0151649.
7. Arab HH, **Mohamed WR**, Barakat BM, Arafa el-SA. Tangeretin attenuates cisplatin-induced renal injury in rats: Impact on the inflammatory cascade and oxidative perturbations. *Chem Biol Interact*. 2016 Oct; 258:205-13.
8. **Mohamed W. R.**, Ahmed B.M. Mehany, Rasha M. Hussein, Alpha lipoic acid protects against chlorpyrifos-induced toxicity in Wistar rats via modulating the apoptotic pathway. *Environmental Toxicology and Pharmacology*, 59 (2018) 17–23.
9. Emad H.M. Hassanein, **Wafaa R. Mohamed**, Abdel-Gawad S. Shalkami, Marwa M. Khalaf, Ramadan A.M. Hemeida, Renoprotective effects of umbelliferone on methotrexate-induced renal injury through regulation of Nrf-2/Keap-1, P38MAPK/NF- κ B, and apoptosis signaling pathways. *Food and Chemical Toxicology*, June 2018; 116: 152-160.
10. Rasha M. Hussein, **Wafaa R. Mohamed**, Hany A. Omar, A neuroprotective role of kaempferol against chlorpyrifos-induced oxidative stress and memory deficits in rats via GSK3 β -Nrf2 signaling pathway. *Pesticide Biochemistry and Physiology*, August 2018; 152 (2018): 29–37

11. Sara I. Shafiey, Wafaa R. Mohamed, Ali A. Abo-Saif, Paroxetine and rivastigmine mitigates adjuvant-induced rheumatoid arthritis in rats: Impact on oxidative stress, apoptosis and RANKL/OPG signals. *Life Sciences*, September 2018; 212 (2018): 109–118.
12. Emad H.M. Hassanein, **Wafaa R. Mohamed**, Abdel-Gawad S.Shalkami, Marwa M. Khalaf, Ramadan A.M.Hemeida, The impact of Keap1/Nrf2, P38MAPK/NF-κB and Bax/Bcl2/caspase-3 signaling pathways in the protective effects of berberine against methotrexate-induced nephrotoxicity. *Biomedicine & Pharmacotherapy*, January 2019; 109 (2019): 47–56

Conference Proceedings

1. Arafa el-SA, **Mohamed WR**, Arab HH, Shehata BA, Hassan HM, Raslan M, El Sherbiny GA, Elgendy AM. Quercitrin protects rats against cisplatin-induced renal and hepatic injury without hindering its beneficial cytotoxic activity. *Experimental Biology. Chicago, IL, USA. April, 2017*

Attended Conferences and Workshops

- ICDL course - Beni-Suef University, Egypt. March 2006.
- Advanced Microsoft office (Word- Excel- Access- PowerPoint)- Beni-Suef University, Egypt 2012..
- Recent Advances in pharmaceutical Research- Beni-Suef University, Egypt. January 2011.
- Recent Techniques in Molecular Biology- Beni-Suef University, Egypt. May 2014.
- Programs and Courses Description- Beni-Suef University, Egypt. December 2014.

Awards

- Best PHD Thesis in Pharmaceutical sciences Award, Beni-Suef University, Egypt, 2017.
- Best Research Award, Beni-Suef University, Egypt, 2017.

Grants

- "Study on the possible protective effects of certain antioxidants against cisplatin-induced hepatotoxicity and nephrotoxicity". A research grant from the Scientific Research Development Center, Beni-Suef University, Beni-Suef, Egypt, January 2012.
- "Evaluation of the effects of certain antioxidants on Chlorpyrifos-induced Alzheimer's disease symptoms". A research grant from the Scientific Research Development Center, Beni-Suef University, Beni-Suef, Egypt, January 2016.

Invited Reviewer

Invited Reviewer for the following journals:

- Toxicology Reports
- Beni-Suef University Journal of Basic and Applied Sciences
- Journal of Basic and Clinical Physiology and Pharmacology

References

- **Prof. Dr. Hekma A. Abd El-Latif**
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