

Curriculum Vitae

Name: Mohammed Omar Mahmoud Ahmed Mostafa
Position: Lecturer of Biochemistry.
Military service: Completed (Oct. 2003 – Jan. 2004).
Marital status: Married with 2 children
Nationality: Egyptian.
Date of Birth: June 18, 1980.
Address: 1) 5 Ahmed Abdel Hamid Street, Beni-Suef, Egypt.
2) Faculty of Pharmacy, Beni-Suef University, El Shahid Ahmed Hegazi Street, Beni-Suef, 62514, Egypt
Mobile: +2 010 9523434.
E-mails: 1- mohamed.omar@pharm.bsu.edu.eg
2- mohamed_omar_bio@yahoo.com

Degrees:

- 1) B.Sc. of Pharmaceutical sciences (**Excellent with honor degree**), Cairo University, Beni-Sueif Branch, 2002.
- 2) M.Sc. Biochemistry, Beni-Suef University, 2009.
- 3) Ph.D. Biochemistry, Beni-Suef University, 2014.

Experiences:

- 1- Demonstrator of Biochemistry, Faculty of Pharmacy, Beni-Suef University, 2004-2009.
- 2- Assistant lecturer of Biochemistry, Faculty of Pharmacy, Beni-Suef University, 2009- 2014.
- 3- Lecturer of Biochemistry, Faculty of Pharmacy, Beni-Suef University, 2014 till now.

Noticing that:

- 1- The research unit at Beni-Suef branch of Cairo University was completed at July 2002.
- 2- Beni-Suef University, Egypt (was separated from Cairo University according to the Republic role No [192/2005] starting 1 August 2005).
- 3- All courses and exams (written, oral, and practical) during undergraduate and graduate studies were in English.

Fields of research and routine work:

Research in diabetes mellitus, hepatic diseases, oxidative stress and antioxidants.

Brief description of duties:

- Teaching of Biochemistry-1 for undergraduate students of Program of pharmaceutical Science and Program of Clinical Pharmacy
- Teaching of Biochemistry-2 for undergraduate students of Program of pharmaceutical Science and Program of Clinical Pharmacy
- Teaching of Clinical Chemistry for undergraduate students of Program of pharmaceutical Science and Program of Clinical Pharmacy.
- Teaching of **postgraduate students** special courses of Advanced Biochemistry-1, Advanced Biochemistry-2, Laboratory techniques, Bioorganic chemistry and Role of nutrition in disease prevention.
- Supervision on the practical sections of undergraduates.
- Participating in **preparation of theoretical and practical exams** of undergraduates.
- **Supervision on the summer training of the undergraduates**
- Contributing to ongoing research program in of the Department as well as in collaboration with other University divisions and supervising the master degrees of postgraduate's candidates.
- **Supervision on Thesis of Postgraduates.**

Activities:

- 1) Chef Information Officer (CIO), 12/2010 till 12/2013.
- 2) Member of the Egyptian Pharmacists Syndicate.
- 3) Attendance the second scientific symposium of Faculty of Pharmacy, Beni-Suef University on "Recent Advances in Pharmaceutical Research", Jan. 12th, 2011.
- 4) Attendance a training workshop of molecular biology practice at faculty of pharmacy, Cairo University, 14-19 September 2011.
- 5) Attendance the first international conference of Faculty Pharmacy, Beni-Suef University on "Helth between nutrition and treatment", Aug. 30th, 2015.
- 6) Attendance workshop of "structural biology: the importance of understanding biology on the atomic level" in Faculty Pharmacy, Beni-Suef University, March 16th 2017.
- 7) Attendance workshop of "recombinant DNA technologies for protein expression" in Faculty Pharmacy, Beni-Suef University, March 30th 2017.
- 8) Attendance workshop of "protein production and crystalization" in Faculty Pharmacy, Beni-Suef University, April 16th 2017.
- 9) Attendance workshop of "principle of synchrotron" in Faculty Pharmacy, Beni-Suef University, May 2th 2017.
- 10) Attendance training course in Beni-Suef University "A single software that will fulfil almost all your Bioinformatics needs" May 13th, 2017.

Thesis:

Mohamed Omar Mahmoud, (2009). Effect of Glycemic Control on Cardiovascular Dysfunction and Oxidative Stress in Type 2 Diabetes. Thesis for M.Sc. degree. Faculty of Pharmacy, Beni-Suef University.

Mohamed Omar Mahmoud, (2014). Effect of glycemic control on soluble RAGE and oxidative stress in type 2 diabetic patients. Thesis for Ph.D. degree. Faculty of Pharmacy, Beni-Suef University.

Computer skills:

ICDL equivalent certificate, Supreme Council of Universities, Egypt, January 20, 2007.

Publication:

1- Motawi TMK, Houssen ME, **Mahmoud MO**, and Abou-Seif MA. Effect of Glycemic Control on Endothelial Dysfunction and Oxidative Stress in Normotensive and Hypertensive Type 2 Diabetics. *The Egyptian Journal of Biochemistry and Molecular Biology*. 2009;159-175.

2- Motawi TMK, Abou-Seif MA, Bader AMA and **Mahmoud MO**. Effect of glycemic control on soluble RAGE and oxidative stress in type 2 diabetic patients. *BMC Endocrine Disorders*. 2013; 13: 32.

3- Hashem RM, Hassanin KMA, LA Rashed, **Mahmoud MO** and Hassan MG. Effect of silibinin and vitamin E on the ASK1-p38 MAPK pathway in D-galactosamine/lipopolysaccharide induced hepatotoxicity. *Exp Biol Med*. 2016;241:1250-1257.

4- **Mahmoud MO**, Aboud HM, AH Hassan, Ali AA, Johnston TP. Transdermal delivery of atorvastatin calcium from novel nanovesicular systems using polyethylene glycol fatty acid esters: Ameliorated effect without liver toxicity in poloxamer 407-induced hyperlipidemic rats. *Journal of Controlled Release* 2017;254:10-22.

5- Hassanin KMA, **Mahmoud MO**, Hassan HM, Abdel-Razik AH, Aziz LN, Rateb ME. *Balanites aegyptiaca* ameliorates insulin secretion and decreases pancreatic apoptosis in diabetic rats: Role of SAPK/JNK pathway. *Biomedicine & Pharmacotherapy*. 2018;102:1084–1091.

6- Mohammed MA, **Mahmoud MO**, Awaad AS, Gamal GM, Abdelfatah D. Alpha lipoic acid protects against dexamethasone-induced metabolic abnormalities via APPL1 and PGC-1 α up regulation. *Steroids*. 2019;144:1-7.

7- Kandeil MA, **Mahmoud MO**, Abdel-Razik AH, Gomaa SB. Thymoquinone and geraniol alleviate cisplatin-induced neurotoxicity in rats through downregulating the p38 MAPK/STAT-1 pathway and oxidative stress. Life Sci. 2019;228:145-151.

8- Aboud HM, **Mahmoud MO**, Mohammed MA, Awad MS, Sabry D. Preparation and appraisal of self-assembled valsartan-loaded amalgamated Pluronic F127/Tween 80 polymeric micelles: Boosted cardioprotection via regulation of Mhrt/Nrf2 and Trx1 pathways in cisplatin-induced cardiotoxicity. J Drug Target. 2019;19:1-18.

9- Kandeil MA, Hashem RM, **Mahmoud MO**, Hetta MH, Tohamy MA. Zingiber officinale extract and omega-3 fatty acids ameliorate endoplasmic reticulum stress in a nonalcoholic fatty liver rat model. J Food Biochem. 2019;00:e13076.

Projects:

1- **Principal Investigator** in the collective **project** funded by the Beni-Suef University, entitled "Association of some genetic polymorphisms with type 2 diabetes mellitus in Egyptians", 2016. (50,000 EGP., Beni-Suef University).

2- **Researcher** in the **project** funded by the Beni-Suef University, entitled "Studying the protective effect of nanoparticles loaded with natural products combination with different mode of actions for treatment of neurodegenerative diseases", 2018. (50,000 EGP., Beni-Suef University).

Reviewer in some scientific journals

- Beni-Suef University Journal of Applied Sciences
- Pharmaceutical Development and Technology
- Science of the Total Environment
- Heliyon

يعتمد
عميد الكلية

رئيس القسم

أ.د / هبة فاروق سالم