



OMNEYA OSAMA GALAL– CURRICULUM VITEA

Assistant Professor of Pharmacology and toxicology Faculty of pharmacy Ahram Canadian university (ACU)

CONTACT INFORMATION E-mail address: omneyagalal@hotmail.com
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EDUCATION **November 2011**

PhD in pharmacy

Doctoral degree in science of Pharmacology-Institute of Pharmaceutical & Medicinal Chemistry University of Muenster - Germany

Dissertation: Impact of asymmetric dimethylarginine (ADMA) on diabetes mellitus: role of nitric oxide (NO), cytokines release and AMP-activated protein kinase (AMPK)

June 2007

B.Sc in Pharmacy

University of Cairo, Faculty of pharmacy-distinction with very good

CAREER **2018-Now**

PROGRESSION Lecturer in pharmacology and toxicology, faculty of pharmacy, ahram Canadian university - ACU

2012-2018

Lecturer in pharmacology and toxicology, faculty of pharmacy, October university for modern science and arts - MSA

2008-2011

Teaching assistant, Institute of Pharmaceutical & Medicinal Chemistry Department of Pharmacology – University of Muenster Germany



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Professional Teaching and Academic Experience:

- Student demonstrating, supervision, lecturing and assessment.
- Teaching various pharmacology courses such as; Pharmacology I, Pharmacology II, Clinical Pharmacology, Bioassay and Biostatistics and Clinical pharmacokinetics
- Increase the student's awareness about laboratory safety, how to deal with hazard chemicals and how to apply the appropriate waste disposal.
- Apply some advanced students' assessment during lectures such as Socrative and Kahoot online quizzes.
- Participating in putting and organizing students' practical and theoretical handouts.
- Apply different and variable teaching, learning and assessment to improve the learning process.
- Include animated and visual PowerPoint to enhance students' understanding for the presented information.
- Include assignments within the course work to allow the students to be more engaged with the theoretical part of the course.
- Supervising different research projects in Pharmacological field for senior students which allow the student to acquire the skills of literature surveying, analyzing information, interpreting, suggesting solution and reporting – MSA university.
- Supervising PhD student – Faculty of Pharmacy - Cairo University.
- Supervising master student – Faculty of Pharmacy - Cairo University.
- Supervising master student – Faculty of Pharmacy - ACU University.
- Participating in setting and developing courses in the department.
- Participating in the scientific days of the department.
- Working as a control member – faculty of pharmacy – ACU university.
- Working as a member quality unit – faculty of pharmacy – ACU university.
- Participating in the academic advising system.
- Collaborating with different universities through the oral exams.
- Announcing the office hours for all the students at the start of each semester.
- Performing all the extra lectures needed to ensure better students' understanding.

Projects:

Development of the existing Prijap traditional medicine (TM) product through formulation, in vivo, Phase I clinical studies, certification and manufacturing in response to Covid-19.

Project funded by the academy for scientific research (ASRT)-Egypt and in the Technology innovation Agency (TIA) – south Africa joint call for proposals in applied research and innovation projects in disruptive technologies

Conferences & Workshops:

Conferences:

- Participated in the *Deutsche Diabetes Gesellschaft (DDG)* conference 2008. Jena, Germany.
- Participated in the *Deutsche Pharmazeutische Gesellschaft (DphG)* conference 2009. Mainz, Germany
- Participated in the 54th annual conference of *Egyptian society of pharmacology and experimental therapeutics 2015* in British university. Cairo, Egypt.
- Attended the 14th National conference on Biochemistry and Molecular Biology (NCBMB), March 2017 (MSA).
- Attended the scientific conference: “*Challenges in Future Pharmaceutical Trends*”
 - Faculty of Pharmacy – Ahran Canadian University November – 2018.
- Attended *Africa health ExCon* conference –Cairo, Egypt- June 2022
- Participated in 3rd National committee and 9th Pan African environmental genomic mutagen society conference *Environmental and Genotoxicants: Risks and Variability in population Response*- Cairo, Egypt-December 2022
- Attended *saving the earth* conference- Cairo, Egypt-March 2023

Workshops:

- Workshop titled: ‘**strategic planning**’ - Faculty of Pharmacy- Ahran Canadian University- April 2022
- Workshop titled: ‘**Fundamentals of Ribonucleic acid (RNA) extraction**’ – genetic engineering and biotechnology research institute - Al Sadat university February 2022-
- Workshop titled: ‘**Introduction to PCR**’ - Ain shams university- January 2022
- Workshop titled: مبيدات الصحة العامة: الاستخدام الامن و الوقايه من التسمم
- Workshop titled: ‘**Basic Technology in DNA extraction and agarose gel**’- genetic engineering and biotechnology research institute – Al Sadat university- December 2021
- Workshop titled: ‘**Research article, from hypothesis to Publication**’ Faculty of Pharmacy- Ahran Canadian University-April- 2021.



- Workshop titled: "**How to Write a winning Grant Research proposal**- Faculty of Pharmacy- Ahrām Canadian University-February- 2021.
- Workshop titled: '**Emotional intelligence**' - Faculty of Pharmacy- Ahrām Canadian University- March- 2020.
- Workshop titled: "**Patent system and copyrights in the pharmaceutical field** - Faculty of Pharmacy- Ahrām Canadian University-February- 2020.
- Workshop titled: "**How to Write Research Projects**" - Faculty of Pharmacy- Ahrām Canadian University-March- 2019.
- Workshop titled: "**Interactive Teaching**" - Faculty of Pharmacy- Ahrām Canadian University- October - 2018.
- Workshop titled: "**Pharmaceutical Vigilance Scientific Day**" - Faculty of Pharmacy- Ahrām Canadian University-May- 2018.

Publications:

- **Omneya Galal**, Julia Podloger, Eugen J Verspohl. 'Impact of ADMA (asymmetric dimethylarginine) on physiology with respect to diabetes mellitus and respiratory system BEAS-2B cells (human bronchial epithelial cells) *Journal of Pharmacy and Pharmacology* 65 (2): 253–263, (2013)
- El-Naa MM, **Galal OO**. 'FOLIC ACID PREVENTS CHRONIC STRESS-INDUCED DEPRESSION-LIKE BEHAVIOR IN RATS, *Arab. J. Lab. Med.* 42 (1): 49 – 62 (2017)
- Reem Ali Mohamed, **Omneya Galal**, Ahmed refaat Mohamed, Hanan Salah El-abhar. 'Tropisetron modulated peripheral and central serotone/insulin levels via insulin and nuclear factor kappa B/receptor for advanced glycation end products for signaling to regulate type-2 diabetes in rats' *royal society of chemistry* 8 (22): 11908-1192 (2018)
- Lamia A Ahmed, Omnia F Hassan, **Omneya Galal**, Dina F Mansour, Aiman El-Khatib. 'Beneficial effects of benfotiamine, a NADPH oxidase inhibitor, in isoproterenol-induced myocardial infarction in rats' *Plos one vol. 15(5) 2020*
- **Omneya O. Galal**, Ahmed M. Fayez, Marwa E. Elsherbiny 'Influence of low and high doses of capsicum extract on indomethacin induced gastric ulcerin rats *Ejbcpt sept. 2021*
- Lobna A. Abdelwahab, **Omneya O. Galal**, Sahar S. Abd El-Rahman^c, Amany I. El-brairy, Mahmoud M. Khattab, Aiman S. El-Khatib 'Targeting the oxytocin system to ameliorate early life depressive-like behaviors in maternally-separated rats' *Biol Pharm Bull.* 2021 Oct 1;44(10):1445-1457.



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- Hoda A. Salem, Nehal Elsherbiny, Sharifa Alzahrani, Hann M. Alshareef, Zakaria Y. Abd Elmageed, Sadeem M. Ajwah, Ahmed M.E. Hamdan, Yahia S. Abdou, **Omneya O. Galal**, Marwa K. A. El Azazy, Karema Abu Elfotuh. 'Neuroprotective effect of Morin hydrate against attention-deficit / hyperactivity disorder (ADHD) induced by MSG and/or protein malnutrition in rat pups: Effect on oxidative/monoamines/inflammatory balance and apoptosis' *Pharmaceuticals (15) 2022*
- Sameh Saber, Eslam E. Abd El-Fattah, Amir Mohamed Abdelhamid, Ahmed A.E. Mourad, Manal Ali Mahrous Hamouda, Amr Elrabat, Sahar Zakaria, Amira A. Haleem, Sherin Z. Mohamed, Rehab Mohamed Elgharabawy, Nesreen Elsayed Morsy, Noura El Adle Khalaf, Osama A. Mohammed, Waleed Barakat El-Bahouty, Sally Abdallah Mostafa, Rasha Abdelhady, **Omneya Galal**, Zeinab H. ElSaid, Galal Yahya, Ahmed Shata, Mahmoud E. Youssef. 'Innovative challenge for the inhibition of hepatocellular carcinoma progression by combined targeting of HSP90 and STAT3/HIF-1 α signaling' *Biomedicine & Pharmacotherapy (2023)*

References:

- **Prof. Dr. Azza Awad**
Title: Professor of Pharmacology and Toxicology – Ahrām Canadian University, Egypt.
- **Prof. Dr. Amany Elbarairy**
Title: Professor of Pharmacology and Toxicology – MSA university, Egypt