
Curriculum Vitae

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Personal information	Date of Birth: September 2 nd , 1982 Marital Status: Single Nationality: Egyptian Academic Field: Pharmacology & Toxicology Current Position: Lecturer of Pharmacology and Toxicology, Ahram Canadian University, October 6 City, Giza, Egypt
Education:	Ph.D. Pharmacology & Toxicology Faculty of Pharmacy, Cairo University, Giza, Egypt 2015 M.Sc. Pharmacology & Toxicology Faculty of Pharmacy, Cairo University, Giza, Egypt 2012 B.Sc. Pharmaceutical June 2004 Faculty of Pharmacy, October 6 University, Giza, Egypt <u>EXCELLENT WITH HONORS</u>
Professional Career Experience	<u>November 2015 – till now</u> Lecturer of Pharmacology and Toxicology in Faculty of Pharmacy, Ahram Canadian University, Giza, Egypt <ul style="list-style-type: none">• Teaching and assisting in the delivery of academic education courses for undergraduates, the courses include:<ul style="list-style-type: none">▪ Pharmacology 1▪ Pharmacology 2▪ Toxicology and Forensic chemistry▪ Clinical Pharmacology

	<ul style="list-style-type: none"> ▪ Biological standardization & screening of drug activities <p><u>July 2012 – October 2015</u> Lecturer assistant of Pharmacology and Toxicology in Faculty of Pharmacy, October 6 University, Giza, Egypt</p> <ul style="list-style-type: none"> • Teaching and assisting in the delivery of academic education courses for undergraduates, the courses include: <ul style="list-style-type: none"> ▪ Pharmacology 1 ▪ Pharmacology 2 ▪ Pharmacology 3 ▪ Clinical pharmacy ▪ Bioassay and statistics ▪ Toxicology & forensic chemistry ▪ Poison & drug interaction ▪ Applied therapeutics <p><u>October 2004 – June 2012</u> Demonstrator of pharmacology and toxicology in Faculty of Pharmacy and Faculty of Dentistry, October 6 University Giza, Egypt</p> <ul style="list-style-type: none"> • Teaching and assisting in the delivery of academic education courses for undergraduates, the courses include: Faculty of pharmacy <ul style="list-style-type: none"> ▪ Pharmacology 1 ▪ Pharmacology 2 ▪ Pharmacology 3 ▪ Clinical pharmacy ▪ Bioassay and statistics ▪ Toxicology & forensic chemistry ▪ Poison & drug interaction ▪ Applied therapeutics • Faculty of dentistry <ul style="list-style-type: none"> ▪ Pharmacology
<p>Published Researches/Papers</p>	<p>Geraniol ameliorates TNBS-induced colitis: Involvement of Wnt/β-catenin, p38MAPK, NFκB, and PPARγ signaling pathways 2015 life sciences</p> <p>Mangiferin protects against intestinal ischemia/reperfusion-induced liver injury: Involvement of PPAR-γ, GSK-3β and Wnt/β-catenin pathway 2017 European journal of pharmacology</p> <p>Morin post-treatment confers neuroprotection in a novel rat model of</p>

	<p>mild repetitive traumatic brain injury by targeting dementia markers, APOE, autophagy and Wnt/β-catenin signaling pathway 2019 Brain Research</p> <p>Geraniol activates Nrf-2/HO-1 signaling pathway mediating protection against oxidative stress-induced apoptosis in hepatic ischemia-reperfusion injury 2020 Naunyn-Schmiedeberg's Archives of Pharmacology</p> <p>MiR-200a inversely correlates with Hedgehog and TGF-β canonical/non-canonical trajectories to orchestrate the anti-fibrotic effect of Tadalafil in a bleomycin-induced pulmonary fibrosis model 2021, Inflammopharmacology</p> <p>Dimethyl fumarate protects against intestinal ischemia/reperfusion lesion: Participation of Nrf2/HO-1, GSK-3β and Wnt/β-catenin pathway 2021, Biomedicine & Pharmacotherapy</p> <p>Morin alleviates hepatic ischemia/reperfusion-induced mischief: In vivo and in silico contribution of Nrf2, TLR4, and NLRP3 2021, Biomedicine & Pharmacotherapy</p> <p>Epac-1/Rap-1 signaling pathway orchestrates the reno-therapeutic effect of ticagrelor against renal ischemia/reperfusion model 2021, Biomedicine & Pharmacotherapy</p> <p>Prasugrel anti-ischemic effect in rats: Modulation of hippocampal SUMO2/3-IκBα/Ubc9 and SIRT-1/miR-22 trajectories 2021, Toxicology and applied pharmacology</p>
<p>Attended Training Courses, Workshops and Conferences</p>	<ul style="list-style-type: none"> ▪ Accreditation of the faculty of pharmacy, October six university from national authority for quality assurance and accreditation of education (NAQAEE) (2014-2015) ▪ Attending the first ACU international conference (New trends in pharmaceutical and medical research- NTPMR 2016. May 28th - 29th (2016) ▪ Organization and attending the 2nd International Pharmaceutical Conference, Faculty of Pharmacy, ACU (New trends in pharmaceutical and medical research) (NTPMR 2018) - IPCACU 2018, May 16th -17th. (2018) ▪ Participation in the different criteria for obtaining the college accreditation from national authority for quality assurance and

	<p>accreditation of education (NAQAAE)</p> <ul style="list-style-type: none"> ▪ Chairman of the Student Awareness Committee in the Quality Assurance Unit at the faculty of pharmacy (ACU) (2019). ▪ Accreditation of the faculty of pharmacy (ACU) from national authority for quality assurance and accreditation of education (NAQAAE) (2018-2019) ▪ Attending a workshop under the title (Writing of scientific experimental projects) on March 2019. ▪ Attending a workshop entitled (Situational leadership skills and the art of effective motivation) certified by qalyubia pharmacists syndicate and Ahram Canadian University at 21st December 2020 ▪ Attending a workshop entitled (How to write a winning grant research proposal) organized by the training committee, quality assurance unit, faculty of pharmacy, Ahram Canadian university on 7th February 2021. ▪ Attending a workshop entitled (How to write an outstanding thesis: section by section) organized by the training committee, quality assurance unit, faculty of pharmacy, Ahram Canadian university on 29th April 2021. ▪ Attending a webinar entitled (AARU Journal Platform- User Experience Sharing Session) organized by ELSEVIER - The association of Arab universities (AARU) at AARU Journal Platform Webinar, on Wednesday 24th June 2020. ▪ Attending a webinar: “Comfort Food: Effects of Stress and High-Fat Diets on Neuronal Activity and Mitochondrial Remodeling in Mice” presented by Julio Ayala, PhD and Matthew Robinson, PhD and organized by Sable Systems International Inc. on 5th May 2021.
<p>Peer Reviews</p>	<ol style="list-style-type: none"> 1. Epidermal PPAR gamma influences subcutaneous tumor growth and acts through TNF-alpha to regulate contact hypersensitivity and the acute photoresponse 2/7/2017, Oncotarget (Published in 18/9/2017) 2. Berberine Exerts a Protective Effect on Gut-Vascular Barrier via the Modulation of the Wnt/Beta-Catenin Signaling Pathway During Sepsis. 28/6/2018 cellular physiology and biochemistry (published in 11/9/2018) 3. The Mangiferin improves hepatic damage associated molecular patterns, lipid metabolic disorders and mitochondrial dysfunction in

	<p>the alcohol hepatitis rats. 23/2/2019, food and function</p> <ol style="list-style-type: none"> 4. Celasterol protects against Aβ1-42 induced apoptosis, oxidative and neuroinflammation activating Wnt signaling pathway. 14/12/2019, Clinical and experimental pharmacology and physiology 5. Effect of Hyperbaric Oxygen Therapy on Acute Liver Injury and Survival in a Rat Cecal Slurry Peritonitis Model January 2020 Scientific reports 6. Renoprotective effect of formoynonetin in streptozotocin induced diabetic neuropathy. 15/5/2020, future journal in pharmaceutical science 7. The possible antioxidant capabilities of formononetin in guarding against streptozotocin-induced diabetic nephropathy in rats. Future journal of pharmaceutical sciences (Published in 12/8/2020). 8. Antidiabetic effects of P. macrocarpa ethanolic fruit extract in streptozotocin-induced diabetic rats. July 2020. Future Journal of Pharmaceutical Sciences Published on September 01, 2020. 9. Mangiferin prevents the impairment of mitochondrial dynamics and increase in oxidative stress caused by excessive fluoride in SH-SY5Y cells. November 2020. Journal of biochemical and molecular Toxicology. 10. Long term neuroprotective effects of acute single dose mk-801 treatment against traumatic brain injury in immature rats. February 2021. Neuropeptides.
<p>Activities and Contributions</p>	<ul style="list-style-type: none"> ▪ Member of the Questionnaire Committee at the Quality Assurance and Accreditation Unit (QAAU) at Faculty of Pharmacy, ACU (2017) ▪ Member of the Summer Training Committee at the Quality Assurance and Accreditation Unit (QAAU) at Faculty of Pharmacy, ACU (2017-2018). ▪ Member of the Summer Training Committee at the Quality Assurance and Accreditation Unit (QAAU) at Faculty of Pharmacy, ACU (2019-2021) ▪ Member of the Internal Audit Committee at the Quality Assurance and Accreditation Unit (QAAU) at Faculty of Pharmacy, ACU (2018). ▪ Participation in the design and establishment of animal house, ACU (2018). ▪ Member of the 3rd level exams control unit, faculty of pharmacy, ACU (2016-2021). ▪ Sharing in IBN SINA medical caravans in 2019