

PERSONAL INFORMATION



Noha Fawzy Hamed Abdelkader

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Sex Female | Date of birth 14/06/1979 | Nationality Egyptian

WORK EXPERIENCE

2025-2028	Member of the promotion committee evaluation panel for pharmacology and clinical pharmacy sector (Round 15)
2022-2025	Member of the promotion committee evaluation panel for pharmacology and clinical pharmacy sector (Round 14)
22/8/2022 – 21/8/2024	Member in the board of directors of the National center for Clinical and Environmental Toxicology Faculty of Medicine, Cairo University
28/6/2022 – CURRENT	Professor Faculty of Pharmacy, Cairo University (Department Pharmacology & Toxicology)
21/6/2017 – 27/6/2022	Associate Professor Faculty of Pharmacy, Cairo University (Department Pharmacology & Toxicology) <ul style="list-style-type: none"> ▪ Teaching graduate & undergraduate courses ▪ Carrying out joint research activities and coordinating academic development funds ▪ Supervising graduate students ▪ Course curriculum development
15/10/2015 – 14/4/2019	Coordinator of Erasmus+KA2 project: IT-Based international diploma and professional certificates in clinical toxicology (ITCT) Cairo University <ul style="list-style-type: none"> ▪ Funded by The Education, Audiovisual and Culture Executive Agency (917,716 €)
27/4/2011 – 20/6/2017	Assistant Professor Faculty of Pharmacy, Cairo University (Department Pharmacology & Toxicology) <ul style="list-style-type: none"> ▪ Teaching graduate & undergraduate courses ▪ Carrying out joint research activities and coordinating academic development funds ▪ Supervising graduate students

	▪ Course curriculum development
13/2/2006 – 26/4/2011	Assistant Lecturer Faculty of Pharmacy, Cairo University (Department Pharmacology & Toxicology)
	▪ PhD Work ▪ Teaching practical parts of undergraduate courses ▪ Carrying out laboratory demonstrations for undergraduate courses
30/9/2000 – 12/2/2006	Teaching Assistant Faculty of Pharmacy, Cairo University (Department Pharmacology & Toxicology)
	▪ MSc Work ▪ Teaching practical parts of undergraduate courses ▪ Carrying out laboratory demonstrations for undergraduate courses

EDUCATION

2006 - 2011	PhD in Pharmaceutical Sciences (Pharmacology and Toxicology), Faculty of Pharmacy, Cairo University
2000 – 2006	MSc in Pharmaceutical Sciences (Pharmacology and Toxicology), Faculty of Pharmacy, Cairo University
1995 - 2000	BSc in Pharmaceutical Sciences, Faculty of Pharmacy, Cairo University

PERSONAL AND PROFESSIONAL SKILLS

LANGUAGE SKILLS					
Arabic	Mother tongue				
English	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
	B2	C1	B2	B2	C1
COMMUNICATION SKILLS	<ul style="list-style-type: none"> ▪ Communication skills gained through: <ul style="list-style-type: none"> ○ Experience as instructor for undergraduate and postgraduate courses. ○ MSc. And PhD supervision ○ Coordination of ERASMUS+KA2 project with 10 institutional partners. ▪ Teamwork skills gained through: <ul style="list-style-type: none"> ○ Collaboration in research activities with colleagues in the same field. ○ Collaboration in course development with colleagues of different academic levels ○ Collaboration with academic colleagues from various Egyptian and EU institutions in academic diploma development in clinical toxicology. ▪ Intercultural skills gained through: <ul style="list-style-type: none"> ○ Coordinating an ERASMUS+KA2 project with three EU and four EG universities in developing IT-based diploma in clinical toxicology. ○ Joint Research with Colleagues from Newcastle University 				

ORGANIZATIONAL / MANAGERIAL SKILLS	<ul style="list-style-type: none"> ▪ ERASMUS+KA2 project coordinator aiming at developing an international IT-based diploma in clinical toxicology ▪ Managing a team of 20 colleagues in developing diploma courses and establishing clinical toxicology lab at Cairo University. ▪ Organizing various workshops for clinical toxicology, pharmacology, e-Learning, and course development design. ▪ Coordinating Quality Assurance and Accreditation activities related to development of course specifications for a set of Clinical Toxicology courses according to Egyptian Accreditation regulations
TECHNICAL SKILLS	<ul style="list-style-type: none"> ▪ Mastering quality assurance methodologies satisfying Egyptian academic accreditation requirements. ▪ Mastering research methodologies in the field of expertise. ▪ Mastering teaching skills in relevant undergraduate and postgraduate courses ▪ Academic supervising skills ▪ Academic programs development capacity in Egyptian CH and EU ECTS models

ACADEMIC DEVELOPMENTS

DEVELOPED ACADEMIC PROGRAMS	<ul style="list-style-type: none"> ▪ Diploma in Clinical Toxicology accredited by Supreme Council of Universities in Egypt: <ul style="list-style-type: none"> ○ It is a two-track one-year diploma developed in cooperation with University of Malta (Malta), University of Newcastle upon Tyner (UK), and Royal Institute of Technology (Sweden) as well as the Egyptian partners; Ain Shams University, Alexandria University, Assiut University, Ministry of Health and population, Egyptian Medical Society for Detox and Environmental Diseases and Ministry of Communication and Information Technology. ○ Delivery methodology: blended learning. ○ Practical Part: physical and e-laboratories ○ The diploma is designed according to the ECTS system (60 ECTS) and the EG system ○ Goal of the program: the diploma aims at promoting the development of multidisciplinary health professional teams with advanced knowledge and skills in the management of intoxicated patients. ○ Target group: physicians, pharmacists, nurses in poison control centers, hospitals, emergency departments, health and safety departments. ▪ Continuous professional development course “Management of Poisoning”. Trainees of this program (10 ECTS) will acquire the necessary hand-on expertise in diagnostic procedures, triage, initial and subsequent therapeutic management, and monitoring of the acutely poisoned patients. ▪ Continuous professional development course “Occupational Toxicology”. Trainees of this program (5 ECTS) will be able to predict risks associated with workplace hazards and manage occupational toxic exposures.
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	<ul style="list-style-type: none"> ▪ Continuous professional development course “Medication error and patient safety”. Trainees of this program (5 ECTS) will be able to identify the common types and causes of medication errors, relate strategies for reducing the occurrence of medication errors and master skills for reporting in medication error reporting system.
ECB-CHECK CERTIFICATION	<ul style="list-style-type: none"> ▪ ECB Check certification of the online “Clinical Toxicology” diploma. ECB Check is a European community-based peer-review and quality improvement scheme for E-Learning programs and institutions in international capacity guiding.
DEVELOPED LABORATORIES	<ul style="list-style-type: none"> ▪ Clinical Toxicology Laboratory in Faculty of Pharmacy, Cairo University
DEVELOPED E-LABORATORIES	<ul style="list-style-type: none"> ▪ Development of 23 e-laboratories in the field of Clinical Toxicology as a new teaching methodology to simulate real poisoning incidents

TEACHING CAPACITY

UNDERGRADUATE COURSE	<ul style="list-style-type: none"> ▪ Pharmacology I ▪ Pharmacology II ▪ Pharmacology III ▪ Pharmacology IV ▪ Clinical Pharmacology ▪ Medical Terminology ▪ Physiology, Histology and Anatomy (Supervision)
POSTGRADUATE COURSES	<ul style="list-style-type: none"> ▪ Drug Interactions (Pharmacology diploma) ▪ Medical Terminology (Pharmacology diploma) ▪ Poison Information Centers (Toxicology diploma) ▪ Research Project (Pharmacovigilance diploma)

PROJECTS/GRANTS

<ul style="list-style-type: none"> ▪ (Coordinator) EU funded Erasmus+ KA2 project: IT-Based International Diploma and Professional Certificates in Clinical Toxicology – ITCT (2015-2018). https://erasmus-plus.ec.europa.eu/projects/search/details/561915-EPP-1-2015-1-EG-EPPKA2-CBHE-JP
<ul style="list-style-type: none"> ▪ (Member) BUE funded Young Investigator Research Grant (YIRG) project: Novel Mechanistic Insights Towards the Repositioning of Alogliptin in Parkinson’s Disease (2018-2019). https://buescholar.bue.edu.eg/pharmacy/573/
<ul style="list-style-type: none"> ▪ (Egyptian coordinator) Joint research with Newcastle University for Investigating the toxicity of environmental chemicals/toxins in animal models (2020-2022).
<ul style="list-style-type: none"> ▪ (External expert) EU funded Erasmus+ KA2 project: Online Pharmacogenomics and Personalized Medicine postgraduate program - OPPM (2022-2024). https://erasmus-plus.ec.europa.eu/projects/search/details/617303-EPP-1-2020-1-EG-EPPKA2-CBHE-JP https://work.arab4des.com/oppm/
<ul style="list-style-type: none"> ▪ (Contact person) DAAD - COSIMENA Funding 2025 for the symposium “Bridging the Gap between Neurodevelopment and Neurodegeneration: A Multidisciplinary Approach”. https://www.daad-egypt.org/en/2025/09/10/cosimena-funded-symposium-bridging-the-gap-between-neurodevelopment-and-neurodegeneration-a-multi-disciplinary-approach/

HONORS AND AWARDS

- Faculty of Pharmacy - Cairo University Award for the best departmental publication (2014).
- Cairo University International Publications Award (2014, 2016, 2017, 2018, 2019, 2020, 2021, 2022).
- Cairo University Encouragement Award in Medical and Pharmaceutical Sciences (2017).
- Award from the European Union Delegation to Egypt and the Ministry of Higher Education and Scientific Research for valuable contribution in strengthening EU - Egypt cooperation in research, innovation, and higher education (2019).
- Selected among the World's Top 2% Scientists' List 2022 by Stanford University and Elsevier. [Ioannidis, John P.A. (2023), "October 2023 data-update for "Updated science-wide author databases of standardized citation indicators"", Elsevier Data Repository, V6, Doi: 10.17632/btchxktzyw.6] <https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/6>
- Selected among the World's Top 2% Scientists' List 2023 by Stanford University and Elsevier. [Ioannidis, John P.A. (2024), "August 2024 data-update for "Updated science-wide author databases of standardized citation indicators", Elsevier Data Repository, V7, Doi: 10.17632/btchxktzyw.7] <https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/7>
- Cairo University Excellence Award in Medical and Pharmaceutical Sciences (2023).
- Selected among the World's Top 2% Scientists' List 2024 by Stanford University and Elsevier. [Ioannidis, John P.A. (2025), "August 2025 data-update for "Updated science-wide author databases of standardized citation indicators", Elsevier Data Repository, V8, Doi: 10.17632/btchxktzyw.8]

MEMBERSHIPS

- Member of the "Egyptian Syndicate of Pharmacists", since 2000.
- Member of the "Egyptian Society of Pharmacology and Experimental Therapeutics" (2012-2020).
- Member of the "Pharmacology for Africa' initiative (PharfA)", since 2013.
- Member of the "International Association of Therapeutic Drug Monitoring and Clinical Toxicology", (2016-2018).
- Member of the editorial board of the journal "Integrative Pharmaceutical Research", Since 2016.
- Member of the committee responsible for reviewing the training content of "Guide for training physicians and the emergency treatment of poisoning by agricultural pesticide" in cooperation with the Ministry of Health (2016).
- Member of the Association for Women's Rights in Development (2018).
- Member of the academic and marketing committees for the international branch of Cairo University; CUIB (2019-2020).
- Member of Cairo Rising Rotary Club, Egypt (2020).
- Member of the "World Women in Neuroscience" (2024).
- Member of the "The AWSci-Arab Women in Science Community" (2026).
- Member of the "Middle East Society of Pharmacology and Experimental Therapeutics" (2026).

PROFESSIONAL DEVELOPMENT

- "Bioinformatics" workshop, Faculty of Pharmacy, Cairo University, Egypt (2013).
- "The relevance of oxidative stress in neuropsychiatric disorders: focus on Alzheimer, Parkinson, anxiety, depression, schizophrenia and autism" lecture & "The main animal models for the current neuropsychiatric disorders" workshop during the scientific visit of Dr. Alin Ciobica; Alexandru Ioan Cuza University, Romania, hosted at Faculty of Pharmacy, Cairo University, Egypt (27-10-2016).

- “Mendeley Citation Manager Software” Workshop, Faculty of Pharmacy, Cairo University, Egypt (2017).
- “ECB-Check” Training by Knowledge Innovative Center, hosted at Ain Shams University, Egypt (30-31/7/2017).
- National Poisons Information Services (NPIS) continuous professional development meeting, Newcastle University, England (5-6/10/2017).
- “Constructive alignment” Course by Prof. Mikael Cronhjort, KTH Royal Institute of Technology, Sweden, hosted at Ain Shams University, Egypt (22-23/8/2017).
- “Design for Blended Learning” Workshop, KTH Royal Institute of Technology, Sweden (13-17/11/2017).
- “Managing Learning Management System” Workshop, E-Learning Competence Center (ELCC), Ministry of Communications and Information Technology, Cairo, Egypt (24-26/9/2018).
- “Management of Poisoning” Professional development course, Faculty of Pharmacy – Cairo University, Cairo, Egypt (October-December 2018; 10 ECTS).
- “Continuing Education in Clinical Toxicology”, 39th Pre-Congress of the European Association of Poisons Centers and Clinical Toxicologists, Naples, Italy (21-5-2019).
- “Designing online exams for the medical sector” within the national plan for implementing the national system for online exams, Center for Measurement and Evaluation, the Higher Education Development Projects Management Unit, Cairo, Egypt (2021)
- “Mastering Biomedical Systematic Reviews” Workshop by Elsevier Researcher Academy & EKB, Military Medical Academy, Egypt (20-10-2024).
- “The role of Network Pharmacology in advancing drug discovery, Hands-on Training” Faculty of Pharmacy – Cairo University, Cairo, Egypt (13-11-2024).
- “Faculty & Leadership Development Project” (FLDP) courses, Cairo University, Egypt:
 - New Teaching Methodology (5-7/2/2006)
 - Effective Presentation Skills (4-6/12/2006)
 - Effective Communication Skills (11-13/12/2006)
 - Effective Teaching (18-21/6/2007)
 - Scientific Research Methodology (25-28/6/2007)
 - Thinking Skills (9-11/7/2007)
 - Credit Hour Systems (17-19/9/2012)
 - International Publishing of Scientific Research (25-26/7/2015)
 - Competing for research funds (10-11/2/2016)
 - Exams and Students Evaluation Systems (8-9/8/2016)
 - Use of Technology in Teaching (7-8/9/2016)
 - University Code of Ethics (7-8/9/2016)
 - Statistical Analysis in Biological Experiments (2-3/10/2019)
 - Solving Problems and Making Decisions (25-25/4/2020)
 - Total Quality Management in Health Care (29-30/4/2020)
 - Financial and Legal Aspects of University Work (6-7/5/2020)
 - Critical Thinking (11-12/5/2020)

RESEARCH

h-INDEX	25
PUBLICATIONS	1. Potential repurposing of lapatinib and pazopanib as neuroprotective agents in a rat model of Huntington’s disease, <i>Inflammopharmacology</i> , 33: 6211 - 6226, 2025.

	<ol style="list-style-type: none">2. Ameliorative Effect of <i>Moringa oleifera</i> Against CUMS-Induced Anxiety in Rats: β-Catenin and 5-HT_{1A} Crosstalk, <i>Molecular Neurobiology</i>, 62: 11179 -11195, 2025.3. Possible mechanisms underlying the neuroprotective effects of gold nanoparticles and alpha-lipoic acid mixture on brain damage induced by radiation: A subacute study in rats, <i>Journal of Drug Delivery Science and Technology</i>, 109: 106977, 2025.4. Modafinil Ameliorated Fibromyalgia Syndrome in Rats by Modulating Mast Cells and Microglia Activation Through Dopamine/Substance P/MRGPRX/Histamine and PI3K/p-Akt/NF-κB Signaling Pathways, <i>Journal of Neuroimmune Pharmacology</i>, 20: 38, 2025.5. Unleashing the pharmacological potential of taste receptors in reproductive processes beyond their gustatory role, <i>Steroids</i>, 217: 109603, 2025.6. Modafinil ameliorated fibromyalgia syndrome in rats by modulating mast cells and microglia activation through dopamine/substance P/MRGPRX/histamine and PI3K/p-Akt/NF-κB signaling pathways, <i>Journal of Neuroimmune Pharmacology</i>, 2025.7. The GLP-1 agonist semaglutide ameliorates cognitive regression in P301S tauopathy mice model via autophagy/ACE2/SIRT1/FOXO1-mediated microglia polarization. <i>European Journal of Pharmacology</i>, 991: 177305, 2025.8. Vilazodone alleviates neurogenesis-induced anxiety in the chronic unpredictable mild stress female rat model: Role of Wnt/β-catenin signaling. <i>Molecular Neurobiology</i>, 61: 9060-9077, 2024.9. Potential exacerbation of polycystic ovary syndrome by saccharin sodium using a letrozole rat model. <i>Food and Chemical Toxicology</i>, 191: 114874, 2024.10. Neuroprotective potential of <i>Erigeron Bonariensis</i> ethanolic extract against ovariectomized/D-galactose-induced memory impairments in female rats in relation to its metabolite fingerprint as revealed using UPLC/MS. <i>Inflammopharmacology</i>, 32: 1091-1112, 2024.11. Influence of β-catenin signaling on neurogenesis in neuropsychiatric disorders: Anxiety and depression. <i>Drug Development Research</i>, 85: e22157, 2024.12. Analysis of the current situation of pharmacogenomics in terms of educational and healthcare needs in Egypt and Lebanon. <i>Pharmacogenomics</i>, 25: 429-440, 2024.13. Targeting α7-nAChR by galantamine mitigates reserpine-induced fibromyalgia-like symptoms in rats: Involvement of cAMP/PKA, PI3K/AKT, and M1/M2 microglia polarization. <i>European Journal of Pharmacology</i>, 952: 175810, 2023.14. Microglia polarization in nociplastic pain: Mechanisms and
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	<p>Perspectives. <i>Inflammopharmacology</i>, 31: 1053–1067, 2023.</p> <p>15. Potential for cardiac toxicity with methylimidazolium ionic liquids. <i>Ecotoxicology and Environmental Safety</i>, 249: 114439, 2023.</p> <p>16. Boosting amygdaloid GABAergic and neurotrophic machinery via dapagliflozin-enhanced LKB1/AMPK signaling in anxious demented rats. <i>Life Sciences</i>, 310: 121002, 2022.</p> <p>17. Dapagliflozin as an autophagic enhancer via LKB1/AMPK/SIRT1 pathway in ovariectomized/D-galactose Alzheimer's rat model. <i>Inflammopharmacology</i>, 30(6): 2505-2520, 2022.</p> <p>18. Neuroprotective effect of gold nanoparticles and alpha-lipoic acid mixture against radiation-induced brain damage in rats. <i>International Journal of Molecular Sciences</i>, 23: 9640, 2022.</p> <p>19. Empagliflozin mitigates type 2 diabetes-associated peripheral neuropathy: A glucose-independent effect through AMPK signaling. <i>Archives of Pharmacal Research</i>, 45: 475–493, 2022.</p> <p>20. Neuroprotective effect of liraglutide in an experimental mouse model of Multiple Sclerosis: role of AMPK/SIRT1 signaling and NLRP3 inflammasome. <i>Inflammopharmacology</i>, 30: 919-934, 2022.</p> <p>21. Experimental evidence for diiodohydroxyquinoline-induced neurotoxicity: Characterization of age and gender as predisposing factors. <i>Pharmaceuticals</i>, 15(2): 251, 2022.</p> <p>22. Inosine mitigated diabetic peripheral neuropathy via modulating GLO1/AGEs/RAGE/NF-κB/Nrf2 and TGF-β/PKC/TRPV1 signaling pathways. <i>Biomedicine & Pharmacotherapy</i>, 145: 112395, 2022.</p> <p>23. Novel mechanistic insights towards the repositioning of alogliptin in Parkinson's disease. <i>Life Sciences</i>, 287: 120132, 2021.</p> <p>24. Nano-ivabradine averts behavioral anomalies in Huntington's disease rat model via modulating Rhes/m-Tor pathway. <i>Progress in Neuropsychopharmacology & Biological Psychiatry</i>, 111: 110368, 2021.</p> <p>25. Grape seed extract improved the fertility-enhancing effect of atorvastatin in high fat diet-induced testicular injury in rats: Involvement of anti-oxidant and anti-apoptotic effects. <i>Journal of Pharmacy and Pharmacology</i>, 73: 366-376, 2021.</p> <p>26. The role of KATP channel blockade and activation in the protection against neurodegeneration in the rotenone model of Parkinson's disease. <i>Life Sciences</i>, 257: 118070, 2020.</p> <p>27. Suppression of BACE1 and amyloidogenic/RAGE axis by sitagliptin ameliorates PTZ kindling-induced cognitive deficits in rats. <i>Chemico-Biological Interactions</i>, 328: 109144, 2020.</p> <p>28. Cognitive enhancing effect of diapocynin in D-galactose-ovariectomy-induced Alzheimer's-like disease in rats: Role of ERK, GSK-3β, and JNK signaling. <i>Toxicology and Applied Pharmacology</i>, 398: 115028,</p>
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	<p>2020.</p> <p>29. Ellagic acid attenuates liver toxicity induced by valproic acid in rats. <i>Journal of Pharmacological Sciences</i>, 134: 23-29, 2020.</p> <p>30. New combination therapy of gliclazide and quercetin for protection against STZ-induced diabetic rats. <i>Life Sciences</i>, 247: 117458, 2020.</p> <p>31. Telmisartan/17β-estradiol mitigated cognitive deficit in an ovariectomized rat model of Alzheimer's disease: Modulation of ACE1/ACE2 and AT1/AT2 ratio. <i>Life Sciences</i>, 245: 117388, 2020.</p> <p>32. The toxicity of the methylimidazolium ionic liquids, with a focus on M8OI and hepatic effects. <i>Food and Chemical Toxicology</i>, 136: 111069, 2020.</p> <p>33. Escitalopram ameliorates cognitive impairment in D-galactose-injected ovariectomized rats: Modulation of JNK, GSK-3β, and ERK signalling pathways. <i>Scientific Reports</i>, 9:10056, 2019.</p> <p>34. E-learning in toxicology: development of the new IT-based International Diploma and Continuous Professional Development Courses in Clinical Toxicology in Egypt. <i>Clinical Toxicology</i>, 57(6): 578-579, 2019. DOI: 10.1080/15563650.2019.1598646</p> <p>35. Modulating impacts of quercetin/sitagliptin combination on streptozotocin-induced diabetes mellitus in rats. <i>Toxicology and Applied Pharmacology</i>, 365:30-40, 2019.</p> <p>36. Extracellular matrix remodeling and modulation of inflammation and oxidative stress by sulforaphane in experimental diabetic peripheral neuropathy. <i>Inflammation</i>, 41:1460-1476, 2018.</p> <p>37. Liraglutide ameliorated peripheral neuropathy in diabetic rats: Involvement of oxidative stress, inflammation and extracellular matrix remodeling. <i>Journal of Neurochemistry</i>, 14336, 2018.</p> <p>38. A novel role of irbesartan in gastroprotection against indomethacin-induced gastric injury in rats: Targeting DDAH/ADMA and EGFR/ERK Signaling. <i>Scientific Reports</i>, 8:4280, 2018.</p> <p>39. Stimulation of ACE2/ANG(1-7)/Mas axis by diminazene ameliorates Alzheimer's disease in the D-galactose-ovariectomized rat model: Role of PI3K/Akt pathway. <i>Molecular Neurobiology</i>, 55: 8188-8202, 2018.</p> <p>40. Ginkgo Biloba L. leaf extract offers multiple mechanisms in bridling N-methylnitrosoure-mediated experimental colorectal cancer. <i>Biomedicine & Pharmacotherapy</i>, 95: 387-393, 2017.</p> <p>41. Punica Granatum L. suppresses colon cancer through downregulation of Wnt/ -Catenin in rat model. <i>Revista Brasileira de Farmacognosia</i>, 27: 627-635, 2017.</p> <p>42. Neuroprotective effect of nebivolol against cisplatin associated depressive-like behavior in rats. <i>Journal of Neurochemistry</i>, 141 (3):449-460, 2017.</p>
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	<p>43. Pyrrolidine dithiocarbamate ameliorates rotenone-induced Parkinson's disease in rats. <i>Bulletin of Faculty of Pharmacy, Cairo University</i>, 55 (1): 107-113, 2017.</p> <p>44. Protective effect of L-carnitine against cisplatin-induced testicular toxicity in rats. <i>Al-Azhar Journal of Pharmaceutical Sciences</i>, 53: 123-142, 2016.</p> <p>45. Carvedilol alleviates testicular and spermatological damage induced by cisplatin in rats via modulation of oxidative stress and inflammation. <i>Archives of Pharmacal Research</i>, 39 (12): 1693-1702, 2016.</p> <p>46. Imipramine and amitriptyline ameliorate the rotenone model of Parkinson's disease in rats. <i>Neuroscience</i>, 332, 26-37, 2016.</p> <p>47. Captopril and telmisartan ameliorate cisplatin-induced testicular damage in rats via anti-inflammatory and antioxidant pathways. <i>International Journal of Scientific and Research Publications</i>, 3(1), 408-420, 2016.</p> <p>48. Ursodeoxycholic acid ameliorates apoptotic cascade in the rotenone model of Parkinson's disease: modulation of mitochondrial perturbations". <i>Molecular Neurobiology</i>, 53, 810-817, 2016.</p> <p>49. Tempol, a superoxide dismutase mimetic agent, ameliorates cisplatin-induced nephrotoxicity through alleviation of mitochondrial dysfunction in mice. <i>PLoS One</i>, 9(10): e108889, 2014.</p> <p>50. Pyrrolidine dithiocarbamate protects against scopolamine-induced cognitive impairment in rats. <i>European Journal of Pharmacology</i>, 723, 330-338, 2014.</p> <p>51. Influence of combined administration of isradipine or fosinopril with paracetamol on oxidative balance in yeast-induced fever in hypertensive rats. <i>Egyptian Journal of biomedical Sciences</i>, 21, 83-108, 2006.</p>
<p>BOOKS/BOOK CHAPTERS</p>	<p>1. Chapter 12- Rhizomatous Plants: <i>Curcuma longa</i> and <i>Zingiber officinale</i> in affording immunity. In: Sangwan N.S., Farag M.A. and Modolo L.V. (Eds.), <i>Plants and phytomolecules for Immunomodulation - Recent trends and advances</i>, 1st Edition. Springer, Singapore. 2022. (ISBN: 978-981-16-8116-5). https://doi.org/10.1007/978-981-16-8117-2_12 https://www.springer.com/gp/book/9789811681165#aboutBook</p> <p>2. Chapter 37 - Urso- and tauroursodeoxycholic acids as anti-apoptotic agents: Modulation of Parkinson's disease. In Martin C. & Preedy V. (Eds.), <i>The Neuroscience of Parkinson's Disease: Diagnosis and Management in Parkinson's Disease</i> (pp. 653-664), 1st Edition. Academic Press. 2020. (ISBN: 9780128159460). https://doi.org/10.1016/B978-0-12-815946-0.00037-5 https://doi.org/10.1016/C2017-0-02802-1</p> <p>3. Neuroprotection in experimentally induced Parkinson's disease in</p>

	rats. LAP LAMBERT Academic Publishing, 2014. ISBN: 9783659638350
REVIEWER FOR INTERNATIONAL JOURNALS	<ol style="list-style-type: none"> 1. Archive of Pharmacal Research 2. Behavior and Epilepsy 3. Journal of Biochemical and Molecular Toxicology 4. Journal of Pharmacy and Pharmacology 5. Marine drugs 6. Metabolites 7. Pharmaceuticals 8. Processes 9. Toxicology 10. Inflammopharmacology 11. Naunyn-Schmiedeberg's Archives of Pharmacology
PRESENTATIONS	<ol style="list-style-type: none"> 1. Mechanisms Underlying the Gastroprotective Effect of Irbesartan against Indomethacin Induced Ulcer in Rats. Oral presentation at 15th Annual Congress on Pharmacology and Toxicology "Sights and Insights into Pharmacology and Toxicology", 2nd-3rd December 2019, Paris, France. 2. E-learning in Toxicology – Development of the new IT-Based International Diploma and Professional Certificates in Clinical Toxicology in Egypt. Poster presented at the 39th International Congress of the European Association of Poisons Centres and Clinical Toxicologists, 21-24th May 2019, Naples, Italy. 3. IT-Based international diploma and professional certificate in Clinical Toxicology (ITCT). Oral presentation at Poison Control and Clinical Toxicology Education Initiatives Conference, Faculty of Pharmacy, Cairo University, 3rd April 2019, Cairo, Egypt. 4. Sulforaphane ameliorated peripheral neuropathy in diabetic rats: Modulation of inflammation, oxidative stress and extracellular matrix degradation. Poster presented at the 5th Future University in Egypt - International Conference on Pharmaceutical Sciences, 28-30th January 2019, Cairo, Egypt. 5. Nebivolol ameliorates cisplatin-induced neurotoxicity without compromising its antitumor activity in rats. Poster presented at the 2nd World Congress on Pharmaceutical and Chemical Sciences, 23-25th July 2018, Bologna, Italy. 6. IT-Based international diploma and professional certificate in Clinical Toxicology (ITCT). Oral presentation at ICT-Learn 2017, 11th International Conference and Exhibition on E-Learning and Education Technology "Towards a Smart Learning Society", 5-6th December 2017, Cairo, Egypt. 7. Protective effect of liraglutide against peripheral neuropathy in diabetic rats. Poster presentation at the 8th International Scientific Conference of Faculty of Pharmacy, Cairo University, 22nd April 2017, Cairo, Egypt.

	<ol style="list-style-type: none"> 8. Diploma of clinical Toxicology Documentary. Oral presentation at the 8th International Scientific Conference of Faculty of Pharmacy, Cairo University, 22nd April 2017, Cairo, Egypt. 9. New trends in postgraduate pharmacy education: IT- Based international diploma and professional certificates in clinical toxicology. Oral presentation at the 7th International Scientific Conference of Faculty of Pharmacy, Cairo University, 16-17th April 2016. 10. Angiotensin II type-1 receptor blockade attenuates cognitive impairment in the ovariectomized rat model of Alzheimer's disease. Poster presented at the 7th International Scientific Conference of Faculty of Pharmacy, Cairo University, 16-17th April 2016. 11. IT- Based international diploma and professional certificates in clinical toxicology. Oral presentation at the 55 annual scientific Conference held by Egyptian Society of Pharmacology and Experimental Therapeutics, 5th March 2016. 12. Neuroprotective effects of saxagliptin against scopolamine-induced Alzheimer's-like pathology in rats. Poster presented at Pharma Middle East Conference, Dubai, UAE, 2nd-4th November 2015. 13. Antioxidant and anti-inflammatory activities as underlying mechanisms of neuroprotection by amitriptyline in Parkinson's disease in rats. Poster presented at 6th Scientific Conference of Faculty of Pharmacy, Cairo University, 25-26th April 2015. 14. Carvedilol protects against testicular and spermatological damages induced by cisplatin in rats. Poster presented at 12th National Conference of Egyptian National Committee for Biochemistry and Molecular Biology, Cairo University, 15-17th March 2015. 15. A novel role for ursodeoxycholic acid in inhibiting rotenone induced apoptotic cascade via preservation of mitochondrial function. Poster presented at the 54 Annual Scientific Conference held by Egyptian Society of Pharmacology and Experimental Therapeutics, 20th December 2014. 16. Pyrrolidine dithiocarbamate plays a modulatory role against scopolamine-induced cognitive impairment in rats. Poster presented at the 53 Annual Scientific Conference held by Egyptian Society of Pharmacology and Experimental Therapeutics, 13th April 2013. 17. Neuroprotective effect of alpha-lipoic acid in rotenone-induced parkinson's disease-like model in rats. Poster presented at 2nd Scientific Conference of Faculty of Pharmacy, Cairo University, 26-27th April 2010.
CONFERENCES	<ol style="list-style-type: none"> 1. Thirty-Ninth International Congress of the European Association of Poisons Centres and Clinical Toxicologists, 21-24th May 2019, Naples, Italy. 2. Poison Control and Clinical Toxicology Education Initiatives

	<p>Conference, Faculty of Pharmacy, Cairo University, 3rd April 2019, Cairo, Egypt.</p> <ol style="list-style-type: none">3. Fifth Future University in Egypt - International Conference on Pharmaceutical Sciences, 28-30th January 2019, Cairo, Egypt.4. Second World Congress on Pharmaceutical and Chemical Sciences, 23-25th July 2018, Bologna, Italy.5. Ninth International Scientific Conference of Faculty of Pharmacy, Cairo University, 25th-26th April 2018, Cairo, Egypt.6. ICT-Learn 2017, 11th International Conference and Exhibition on E-Learning and Education Technology "Towards a Smart Learning Society", 5-6th December 2017, Cairo, Egypt.7. Eighth International Scientific Conference of Faculty of Pharmacy, Cairo University, 22nd April 2017, Cairo, Egypt.8. Seventh International Scientific Conference of Faculty of Pharmacy, Cairo University, 16-17th April 2016, Cairo, Egypt.9. Fifty-Fifth Annual Scientific Conference held by Egyptian Society of Pharmacology and Experimental Therapeutics, 5th March 2016, Cairo, Egypt.10. Sixteenth Annual Congress of Egyptian Society of Pancreatic Islet Transplantation Research for Diabetic Patients, 19-20th November 2014, Cairo, Egypt.11. Eleventh Annual Congress of Medical Sciences entitled "Medical Research between Theory & Applications: Challenges and Innovations", 17-19th December 2013, Cairo, Egypt.12. Fourth International Scientific Conference of Faculty of Pharmacy, Cairo University entitled "Pharmacy Education & Community Expectations", 24-25th April 2013, Cairo, Egypt.13. Fifty-Third Annual Scientific Conference held by Egyptian Society of Pharmacology and Experimental Therapeutics, 13th April 2013, Cairo, Egypt.14. Third-Scientific Conference of Faculty of Pharmacy, Cairo University entitled "Good Pharmacy Practice", 25-27th April 2012, Cairo, Egypt.15. Fifty-Second Annual Scientific Conference held by Egyptian Society of Pharmacology and Experimental Therapeutics entitled "Teaching and Research in Basic and Clinical Pharmacology", 10th March 2012, Cairo, Egypt.16. Second Scientific Conference of Faculty of Pharmacy, Cairo University entitled "Quality Assurance in Pharmacy Education", 26-27th April 2010, Cairo, Egypt.
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