

Curriculum Vitae

Name: Sherehan Mohamed Ibrahim
Title: Lecturer
Department: Pharmacology and Toxicology
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Education

Academic Degrees

- **Bachelor**

Bachelor of Pharmacy, 2008, Faculty of Pharmacy, Cairo University.

- **Master science**

Pharmacology and Toxicology, Title: Effect of pioglitazone alone or in combination with some natural products in fructose-induced metabolic syndrome in rats, March 2015, Cairo University.

- **Philosophy of Doctor**

Pharmacology and Toxicology, Title: Possible role of the cholinergic anti-inflammatory pathway in a sepsis model induced in mice, January 2019, Cairo University.

Research interest

Diabetes, Metabolic syndrome, Molecular biology, Neuroscience, Inflammation, and Cardiovascular system.

Research Experience and Techniques

- Induction of diseases experimentally in animals to study the effects of different pharmacological agents to ameliorate these diseases and the possible mechanistic pathway. Pharmacology and Toxicology, Faculty of Pharmacy, Cairo University.
- Measuring non-invasive blood pressure using AD instrument, Faculty of Pharmacy, Cairo University.
- Measuring ECG, Echo, Faculty of Pharmacy, Cairo University.
- Carrying out various behavioural tests, Faculty of Pharmacy, Cairo University using Any maze program.

Programs

- ICDL license in Microsoft office programs.
- Graph Pad Prism analysis program for biostatistics analysis, scientific graphing and curve fitting. 4. Statistical Data analysis using SPSS program.
- Creating practical modules of basic pharmacology based on Strathclyde Pharmacology Simulations programs for teaching in vitro and in vivo techniques in undergraduates Pharmacology courses.
- Reference manager software to handle references and full-text documents, and citations while writing thesis and articles.
- Mendeley program to handle and share references as well full-text documents, and citations while writing thesis and articles.
- Blackboard platform, zoom, Moodle, google meet, classrooms.

Teaching Courses

Academic year	Courses
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<p>Undergraduate Courses (General Program)</p>	<p>Pharmacology I, Pharmacology II, Pharmacology III, Biostatistics and Biological Standardization of Drugs, Toxicology, First aid</p>
<p>Undergraduate Courses (Clinical Program)</p>	<p>Pharmacology 1, Pharmacology-2, Toxicology and Forensic Chemistry, Therapeutics-, Drug interactions</p>
<p>Postgraduate Courses</p>	<p>Lecturer assistant in Experimental Pharmacology course (Master)</p> <p>Lecturer in special population courses in Pharmacovigilance Diploma, Faculty of Pharmacy, Cairo University.</p> <p>Supervisor of literature review course in Clinical Toxicology Diploma, Faculty of Pharmacy, Cairo University.</p> <p>Lecturer in immunopharmacology courses in Master and Pharmacology</p>

	Diploma, Faculty of Pharmacy, Cairo University.
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Affairs

- An academic advisor member of Pharm D students, Faculty of Pharmacy, Cairo University, since 2019.
- An assistant for the vice dean of educational and student affairs, Faculty of Pharmacy, Cairo University, since 2020.
- A member in the ethical committee, Faculty of Pharmacy, Cairo University, since 2021.

Publications

- NF Abdelkader, MA Elbaset, PE Moustafa, SM Ibrahim, Empagliflozin mitigates type 2 diabetes-associated peripheral neuropathy: a glucose-independent effect through AMPK signaling. Archives of Pharmacal Research 45 (7), 475-493
- Noha F. Abdelkader, Sherehan M. Ibrahim, Passant E. Moustafa, Marawan A. Elbaset, Inosine mitigated diabetic peripheral neuropathy via modulating GLO1/AGEs/RAGE/NF- κ B/Nrf2 and TGF- β /PKC/TRPV1 signaling pathways, Biomedicine & Pharmacotherapy, Volume 145, 2022,
- Ahmedy, O. A., H. H. Salem, N. H. Sayed, and S. M. Ibrahim, "Naringenin affords protection against lipopolysaccharide/D-galactosamine-induced acute liver failure: Role of autophagy.", Archives of biochemistry and biophysics, vol. 717, pp. 109121, 2022.
- Abdelmonem M, Ibrahim SM, Essam RM, Amin HAA, Abd-Elmawla MA. Lutein exerts its cardioprotective effect against the experimental model of isoprenaline-induced myocardial infarction via MIAT/miR-200a/Nrf2/TXINP

pathway. *J Biochem Mol Toxicol.* 2021 Nov;35(11):e22899. doi: 10.1002/jbt.22899. Epub 2021 Aug 26. PMID: 34435724.

- Abd El-Fatah, I. M., H. M. A. Abdelrazek, S. M. Ibrahim, D. M. Abdallah, and H. S. El-Abhar, "Dimethyl fumarate abridged tauo-/amyloidopathy in a D-Galactose/ovariectomy-induced Alzheimer's-like disease: Modulation of AMPK/SIRT-1, AKT/CREB/BDNF, AKT/GSK-3 β , adiponectin/Adipo1R, and NF- κ B/IL-1 β /ROS trajectories.",
- Ahmedy OA, Ibrahim SM, Salem HH, Kandil EA. Antiulcerogenic effect of melittin via mitigating TLR4/TRAF6 mediated NF- κ B and p38MAPK pathways in acetic acid-induced ulcerative colitis in mice. *Chem Biol Interact.* 2020 Nov 1;331:109276. doi: 10.1016/j.cbi.2020.109276. Epub 2020 Sep 28. PMID: 33002459.
- Elbaz EM, Amin HAA, Kamel AS, Ibrahim SM, Helmy HS. Immunomodulatory effect of diallyl sulfide on experimentally-induced benign prostate hyperplasia via the suppression of CD4+T/IL-17 and TGF- β 1/ERK pathways. *Inflammopharmacology.* 2020 Oct;28(5):1407-1420. doi: 10.1007/s10787-020-00743-1. Epub 2020 Aug 12. PMID: 32785828.
- Ibrahim SM, Al-Shorbagy MY, Abdallah DM, El-Abhar HS. Activation of α 7 Nicotinic Acetylcholine Receptor Ameliorates Zymosan-Induced Acute Kidney Injury in BALB/c Mice. *Sci Rep.* 2018 Nov 14;8(1):16814. doi: 10.1038/s41598-018-35254-1. PMID: 30429582; PMCID: PMC6235888.
- Ibrahim SM, El-Denshary ES, Abdallah DM. Geraniol, alone and in combination with pioglitazone, ameliorates fructose-induced metabolic syndrome in rats via the modulation of both inflammatory and oxidative stress status. *PLoS One.* 2015 Feb 13;10(2):e0117516. doi: 10.1371/journal.pone.0117516. PMID: 25679220; PMCID: PMC4332632. <https://doi.org/10.1371/journal.pone.0117516>

Attended Conferences

- 10th International Scientific Conference of Faculty of Pharmacy-Cairo University

Training internship

- ITCT pilot training for E-labs in E-learning competence centre at ministry of communications and information technology (MCIT), September, 2018.