

Curriculum Vitae

Name

Sherine Wasfi Mikhail Abdelmissih



Current position:

Lecturer – Medical Pharmacology Department, Kasr Al Ainy Faculty of Medicine, Cairo University, Egypt, since 2016.

E- mail Address:

drshery_wa@yahoo.com; drshery_wa@kasralainy.edu.eg

Education:

- High school certificate from Bon Pasteur French School - Cairo - Egypt
- MB.Bch. Surgery and Medicine (Excellency with honor)- Cairo University- 2001.
- MSc. Pharmacology (Excellency with honor) – Cairo University – 2011.
- M.D. Pharmacology (Very good) – Cairo University – 2015.

Educational activities:

- Teaching Medical Pharmacology
 - 3rd year medical students – Faculty of Medicine - Cairo University since 2005.
 - 2nd year dentistry students- Faculty of Dentistry - Cairo University since 2005- 2011.
 - 4th year pharmacy students – Faculty of Pharmacy – Cairo University since 2010-2012.
 - 2nd year Nursing students – Faculty of Nursing – Cairo University since 2017.

Kasr Al-Ainy Hospitals, Cairo University

- 2nd year Physical Medicine students – Faculty of Physical Therapy since 2017.
-  Certificate of Appreciation as member in Undergraduate Exams Supervision for 1st year and MB. Bch. Medical Students for scholar years 2016/2017 and 2017/2018, Kasr Al-Ainy Faculty of Medicine, Cairo University, Cairo, Egypt, 2018.
-  Member of Postgraduate (MSc and MD) Exams Evaluation Committee-Kasr Al-Ainy Faculty of Medicine-Cairo University, since 2021
-  Certificate of Achievement- Medical Education Course- Kasr Al-Ainy Faculty of Medicine-Cairo University-October 2022-April 2023.
-  Member of Postgraduate Quality Control- Kasr Al-Ainy Faculty of Medicine-Cairo University since 2021.

Scientific activities:

- Member of European Society of Medical Oncology (ESMO), 2015 and 2016
- Member of European College of Neuropsychopharmacology (ECNP) since March 2020.
- Member of British Pharmacological Society (BPS) since 05th May 2020.
- Member of College of International Neuropsychopharmacology, Netherlands, since 2020.
- Certificate of Achievement in the HarvardX course entitled: Prescription drug regulation, cost, and access: Current controversies in context, August 2020.
- Member of Harvard Business Publishing Education since February 2021
- Certificate of Achievement in the HarvardX course entitled: Bioethics: The Law, Medicine, and Ethics of Reproductive Technologies and Genetics, 16 April 2022.
- Certificate of Achievement in the HarvardX course entitled: Computational Neuroscience: Neuronal Dynamics of Cognition, 29th October 2022.
- Member of American Academy of Sleep Medicine since 2022.

Kasr Al-Ainy Hospitals, Cairo University

- Member of the Egyptian Society of Biological and Biomedical Sciences (ESBBS) since 2024.

Conferences, Webinars, and Workshops:

- **Metformin and Sodium Pump in Diabetes Mellitus-Associated Anxiety and Mood Swings.** Oral presentation in the 2nd International Conference of Neuralscience – Dubai (Virtual)- May 2023.
- **Efficacy and cytotoxicity of metformin and misoprostol in VERO E6 cell line-infected SARS-CoV-2.** Oral presentation in the 19th Conference of Arab Association of Diabetes and Metabolism (AASD)- Egypt – October 2023.
- **Dream controllers: The funny current and histone deacetylase.** Oral presentation in the 4th World Congress on Primary Healthcare and Medicare- Dubai (Virtual) – November 2023.
- The aryl hydrocarbon receptors and addiction. Oral presentation in the 2nd Global Conference on Pharmaceuticals and Clinical Research – Dubai (Virtual) – November 2023.
- **The integrative signalling of amylin, oxytocin, and prolactin in aggression.** Oral presentation in Mental Health Congress – Dubai (Virtual)- March 2024.
- **Probiotics and prebiotics as cognitive enhancers.** Oral presentation in the 2nd International Conference of Neuroscience and Neurology – Thailand (Virtual)- May 2024.
- AI in Healthcare and Education. MEDC, **Kasr Al-Ainy, Cairo University, Cairo, Egypt.** January 2024.
- Clinical Trials on Drugs. **Speaker. Kasr Al-Ainy, Cairo University, Cairo, Egypt.** July 2024.
- Training of trainers (TOT). **Supreme Council of Universities. FLDC, Cairo University, Cairo, Egypt.** July 2024.

Clinical Trials:

- Subinvestigator in sickle cell disease clinical trial (phase IIIb), FIRST, ApoPharma, Clinical Trial Research Centre, Kasr Al-Ainy Faculty of Medicine, Cairo University, 2016 - 2018.
- Subinvestigator in beta-thalassemia clinical trial (phase IV), START, ApoPharma, Clinical Trial Research Centre, Kasr Al-Ainy Faculty of Medicine, Cairo University, 2019 - 2020.
- Subinvestigator in Crohn's disease clinical trial (phase 2/3), CULTIVATE, Arena Pharmaceuticals, Clinical Trial Research Centre, Kasr Al-Ainy Faculty of Medicine, Cairo University, 2021 - 2022.

Thesis:

- Effects of Strontium Ranelate on Corticosteroid- Induced Osteoporosis in Rats – 2011.

- Role of Rolipram and Ramipril in Pentylenetetrazole and Isoniazid – Induced Epileptic – Like Seizures in Rats – 2015.
- Estimation of Vitamin D Level and Bone Turnover Markers as Novel Detectors for The Effects of Fluoxetine on Depression, Bone, Skin, and Hair in Experimentally Induced Depression in Rats.

Publications:

- How rolipram, as a phosphodiesterase-4 inhibitor, affects acute isoniazid – induced seizures and pentylenetetrazole kindling in rats. The Medical Journal of Cairo University, 2015; Vol.83(2):373-384.
- Impact of cyclic nucleotides on the antiseizure activity of acute and chronic diazepam administration in isoniazid- induced seizures and pentylenetetrazole kindling in rats. Kasr Al Ainy Medical Journal, 2015; 21 (3), 101
- The extent of involvement of ouabain, hippocampal expression of Na⁺/K⁺-ATPase, and corticosterone/ melatonin receptors ratio in modifying stress-induced behavior differs according to the stressor in context. Brazilian Journal of Medical and Biological Research, 2022, 55: e11938.
- A bitter experience that enlightens the future: COVID-19 neurological affection and perspectives on the orexigenic system. Cureus 14(10): e30788. doi:10.7759/cureus.30788.
- Perspective chapter: neurotoxins and erythrocytes. (2022). A double-headed arrow. In: Aggression and Violent Behaviour. Ed. Catherine Lewis. DOI: 10.5772/intechopen.108342
- 4-Hydroxynonenal Is Linked to Sleep and Cognitive Disturbances in Children: Once upon the Time of COVID-19. (2023). In: COVID-19 epidemiology in children. Ed. Öner Özdemir. DOI: 10.5772/intechopen.110285
- Artificial Intelligence (AI) and Human Communication and Cognition: Hope and Concerns. BJSTR. 49(4), 40966-40968. Doi:10.26717/BJSTR.2023.49.007849
- The cytotoxicity of metformin and misoprostol overwhelms their antiviral activity in SARS-CoV-2- infected VERO-E6 cell culture. (2023). Biomedical Journal of Scientific and Technical Research. 52(4): 43887 – 43896. DOI: 10.26717/BJSTR.2023.52.008281

- Dream controllers: The funny current and histone deacetylase. Journal of Psychiatry Research Reviews & Reports. doi.org/10.47363/JPSRR/2024/PPT/1034
- High-Dose Agomelatine Combined to Haloperidol Decanoate Improves Cognition, Downregulating *MT2*, Against Upregulating *D5*, Maintaining *Krueppel-Like Factor 9*, Though Alters Cardiac Electrophysiology. Journal of Pharmacology and Experimental Therapeutics. 2024. doi: <https://doi.org/10.1124/jpet.123.002087>
- Chronic Caffeine Consumption, Alone or Combined with Agomelatine or Quetiapine, Reduces the Maximum EEG Peak, As Linked to Cortical Neurodegeneration, Ovarian Estrogen Receptor Alpha, and Melatonin Receptor 2. *Psychopharmacology* (2024). <https://doi.org/10.1007/s00213-024-06619-4>

Reviewer:

- A case report on incidental finding of thymoma as anterior mediastinal mass. International Journal of Basic and Clinical Pharmacology, Internal ID: 3512-12866, 5th April 2019. Doi:18203/2319-2003.IJBCP20192217
- Antimicrobial usage and its quantification for neonatal sepsis at a tertiary care hospital NICU. International Journal of Basic and Clinical Pharmacology, Internal ID: 3512-12866, 18th June 2019.
- A Possible Treatment for Persistent Cough Status Post-pulmonary Carcinoid Tumor Resection. Cureus. 2022; 14(5): e25499. <https://doi.org/10.7759/cureus.25499>
- The Role of Endoscopic Ultrasound in the Interventional Management of Mediastinal Collections: A Narrative Review. Cureus. 2022; 14(8):e27803. doi: 10.7759/cureus.27803. eCollection 2022 Aug
- The Use of Nanorobotics in the Treatment Therapy of Cancer and Its Future Aspects: A Review. Cureus. 2022; 14(9): e29366. doi: 10.7759/cureus.29366
- A Systematic Review of Apoptosis in Correlation With Cancer: Should Apoptosis Be the Ultimate Target for Cancer Treatment? Cureus. 2022;14(8): e28496. doi: 10.7759/cureus.28496
- Potential Therapeutic Effects of Psilocybin: A Systematic Review. Cureus 14(10): e30214. doi:10.7759/cureus.30214
- Alzheimer's Disease: Understanding Its Novel Drug Delivery Systems and Treatments. Cureus. 2022;14(11): e31394. doi:10.7759/cureus.31394

- A Case Report of Mesothelioma Response to Endocrine Therapy in Synchronous Breast Cancer and Pleural Epithelioid Mesothelioma: A Double Exemestane Effect. Pina M, Fernandes R, Fonseca D, et al. (November 16, 2022) *Cureus* 14(11): e31579. doi:10.7759/cureus.31579
- Alzheimer's Disease: Understanding Its Novel Drug Delivery Systems and Treatments. Dhingra H, Choudhari S G (November 11, 2022) *Cureus* 14(11): e31394. doi:10.7759/cureus.31394
- Heparin-Induced Thrombocytopenia at the Emergency Department Due to Intermittent Heparin Flush in a Patient Undergoing Stem Cell Transplant. Thein K Z, Elsaim S A, Ma M Q, et al. (November 22, 2022) *Cureus* 14(11): e31798. doi:10.7759/cureus.31798
- Biomaterials for Cancer Immunotherapy (Oct 31, 2022).
- Medical Students' Perception of Virtual Simulation-Based Learning in Pharmacology. Abdel Haleem SEA, Ahmed AA, El Bingawi H, Elshwhimy A. *Cureus* 15(1): e33261. doi:10.7759/cureus.33261 Chlorpheniramine Maleate Throat Spray for the Treatment of COVID-19-Induced Acute Viral Pharyngitis: Case Series. Tesch ML, Dasgupta R, Khawaja UA, Sanchez-Gonzalez M, Franck R. *Cureus* 15(1): e34310. doi:10.7759/cureus.34310
- Patel A H, Li Y, Minacapelli C D, Catalano K, Rustgi V. Reduction in Gastrointestinal Cancers in Cirrhotic Patients Receiving Rifaximin vs Lactulose Only Therapy for Hepatic Encephalopathy. *Cureus* 15(2): e35259. DOI 10.7759/cureus.35259
- Acute Colonic Pseudo-Obstruction in a Patient With COVID-19 Pneumonia: A Case Report. Mahdi A, Bharwad A, Mahdi M, Rowe K. *Cureus* 15(3): e36251. doi:10.7759/cureus.36251
- The Optimal Dosing Regimen of Super Bioavailable Itraconazole in Obesity: An Experimental Rat Model Study. Jain GK, Chitnis KR, Singhal P, Mahadkar N, Dhoot D, Narkate H. *Cureus* 15(4): e37462. doi:10.7759/cureus.37462 Effect of Celastrus paniculatus on Alcohol Elicited Conditioned Place Preference and Alcohol Withdrawal induced Anxiety in Mice (Apr 08, 2023)
- The Reliability of Auto-Injectors in Clinical Use: A Systematic Review. Dostal P, Taubel J, Lorch U, Aggarwal V, York T. *Cureus* 15(7): e41601. doi:10.7759/cureus.41601
- Effect of Lutein on Ocular Goblet Cell, IFN- γ , and IL-17 Concentration in Dry Eye-Induced Mice Model. Faustine G, Prijanti AR, Wibowo H. *Cureus* 15(7): e42009. doi:10.7759/cureus.42009
- Developmental Approaches to Chronic Pain: A Narrative Review (Aug 05, 2023)
- Agreement between ten-years cardiovascular disease risk assessment tools: An application to Iranian population in Shahedieh cohort study (Juy 2023).
- Protective mechanism of doxorubicin on myocardial injury model by Hongqi: A pilot study based on proteomics (July 2023).
- Progress in the study of intestinal microbiota involved in morphine tolerance (August 2023).

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- Alpinia officinarum Hance extract relieved sepsis- induced myocardial ferroptosis and inflammation via inhibiting lncRNA MIAT/TRAF6/NF- κ B axis.
- Kongensin A, an HSP90 inhibitor, improves hyperlipidemia, hepatic steatosis, and insulin resistance in diet- induced obese mice (September 2023).
- In vitro study of a new theranostic smart niosomal nanostructure for direct delivery of docetaxel via anti- PSMA aptamer (October 2023).

- **Branches of Interest:**

- Neuropsychopharmacology
- Neuroendocrinology
- Experimental Pharmacology
- Clinical Pharmacology and Pharmacy
- Clinical Trials

Languages:

Mother tongue: Arabic

Foreign language(s): English - French

Certificates are available upon request.

