



Curriculum Vitae (CV) for Faculty Staff

Personal statement:

I am an accomplished Lecturer and Clinical Pharmacology specialist with over 14 years of academic, research, and clinical experience in Egypt. My academic training encompasses advanced clinical and experimental pharmacology, immune pharmacology, molecular medicine, and gene therapy. My career has been dedicated to advancing pharmacology education, experimental and translational research, and evidence-based therapeutics. I hold an M.B.B.Ch., M.Sc., and Ph.D. in Clinical Pharmacology from Mansoura University, where I graduated with distinction.



My teaching philosophy emphasizes interactive, student-centered, and competency-based learning. I have led lectures, tutorials, and assessments across undergraduate and postgraduate medical, nursing, and dentistry programs, including international curricula. In addition, I actively contribute to curriculum development, academic counseling, course coordination, and the integration of innovative educational technologies and online learning platforms. I have a good publication record in high-impact international journals and actively participate in conferences and professional societies, demonstrating my dedication to advancing pharmacological science and evidence-based therapeutics. My career mission is to combine academic leadership, cutting-edge research, and high-quality medical education to mentor future healthcare professionals and contribute meaningfully to the global medical and scientific community.

مكتب الاعتماد

1. Personal Information	
Name:	Mervat Samy Mahmoud Mohamed
Date and place of birth	20/8/1986, Mansoura, Egypt
Faculty:	Faculty of Medicine, Ibn Sina University for medical sciences, Amman, Jordan.
Department:	Basic medical science
Contact info.	Tel: 01027644268-0795791656 E mail: Mervat.mohamed@isums.edu.jo Dr_mervatsamy@mans.edu.eg



2. Education

Date	Issuing institute	Field	Degree
2009	Mansoura University	Medicine and general surgery	M.B. B. Ch, .
2016	Mansoura University	Basic medical sciences (clinical pharmacology)	M.Sc
2020	Mansoura University	Basic medical sciences (clinical pharmacology)	Ph.D

3. Specialization and area of interest

General	Clinical Pharmacology, with a strong emphasis on experimental and translational research in metabolic disorders, diabetes, and pharmacotherapeutics.
Focus area	<ul style="list-style-type: none">• Metabolic syndrome and hypometabolic changes• Diabetes mellitus (Type I and II) and β-cell regeneration• Molecular mechanisms of drug action including gene expression modulation• Anti-fibrotic and anti-inflammatory pharmacology, including lung fibrosis models• Nutraceutical and lifestyle interventions in metabolic and organ-specific pathologies• Experimental testing for drug toxicity to understand underlying mechanisms and interventional treatment

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4. Professional experience

Position	Date
Assistant professor of Pharmacology at department of basic medical sciences, Faculty of Medicine, Ibn Sina University for Medical sciences, Amman - Jordan	October 2024 till now
Lecturer of clinical pharmacology in the Faculty of Dentistry– Mansoura University, Egypt	September 2023 till July 2024
Lecturer of clinical pharmacology in the Faculty of Dentistry, New Mansoura University, Egypt.	2022 till July 2024 September
Lecturer for clinical pharmacology in the Faculty of Medicine, New Mansoura University, Egypt.	September 2022 till July 2024
Lecturer for clinical pharmacology and PBL tutor for undergraduate students Manchester program, Faculty of Medicine– Mansoura University, Egypt.	September 2022 till July 2024
Lecturer for clinical pharmacology in the Faculty of Nursing, Mansoura University, Egypt.	2021 till January 2023
Lecturer for clinical pharmacology in the Faculty of Medicine, Mansoura University, Egypt.	April 2020 till September 2024
Assistant lecturer of Clinical Pharmacology in the Faculty of Medicine Mansoura University, Egypt	March 2016 till April 2020
Demonstrator of Clinical Pharmacology in the Faculty of Medicine- Mansoura University, Egypt	March 2011 till 2016
House officer in Mansoura University Hospitals. Faculty of Medicine- Mansoura University.	March 2010 – March 2011



5. Research Experience

- I have a rich experience in clinical and experimental pharmacology especially metabolic diseases, diabetes, NAFLD/NASH, lung fibrosis, and experimental testing for drug toxicity.
- Additional experience in conduct of clinical trials: selection of patients, methods of randomization, conduct of the trial and implementation of ethics of research with statistical analysis of scientific data
- Rich experience in methods of scientific research starting from creating hypothesis, reviewing related literature, designing and conducting experiments, collecting, analyzing and interpreting the results, scientific writing and publishing.
- **Master Thesis (2016)** “Effect of metformin versus atorvastatin on hepatic and metabolic changes, in rat model of metabolic syndrome.”
- **Ph.D Thesis (2020)** Effect of Artemether on gene expression of Pax4 versus Exenatide in experimental model of diabetes in rats.
- **Publications:** Authored and co-authored of peer-reviewed articles covering Non-alcoholic Fatty Liver Diseases, Obesity and insulin resistance, Diabetes, Wart, Chemotherapy inducing organ toxicity, lung fibrosis, Nutraceutical and lifestyle interventions in metabolic and organ-specific pathologies
- **Collaborative & Interdisciplinary Research:** Contributed to computational approaches in biomedical research

Research Interests:

- Clinical Pharmacology of metabolic diseases
- Computational approaches in biomedical research
- Pharmacotherapeutic interventions for organ fibrosis
- Molecular pharmacology and gene therapy
- Experimental Pharmacology and drug toxicity studies
- Translational research integrating experimental pharmacology with clinical therapeutics



6. Publications

Name of Author(s)	Title
ORCID: https://orcid.org/0000-0002-8378-8977	
Mohammed Hassanain ¹ , Ahmed Sleem ¹ , Mervat Samy ^{2,3} , Yassine Aribi ⁴ , and Ahmed M. Anter ^{5,*}	CGANCNN-LASSO: Hybrid Intelligent Approach for Improving Skin Cancer Detection from Limited and Imbalanced Data , Artificial Intelligence Review, (<i>Under review</i>)
Hassan, H. M., El-Gamal, R., Hamed, W. H., Habotta, O. A., Samy, M., Elmowafy, R., ... & Ahmed, M. E. .	Potential role for vitamin D vs. intermittent fasting in controlling aquaporin-1 and aquaporin-3 expression in HFD-induced urinary bladder alterations in rats. Frontiers in Molecular Biosciences (2024), 10, 1306523
Abdelhady, R., Cavalu, S., Saber, S., Elmowafy, R., Morsy, N. E., Ibrahim, S., M. Samy & Elgarabawy, R. M..	Mirtazepine, an atypical antidepressant, mitigates lung fibrosis by suppressing NLPR3 inflammasome and fibrosis-related mediators in endotracheal bleomycin rat model. Biomedicine & Pharmacotherapy (2023), 161, 114553
M. Samy*, Abd-elRahman K, Abd-Elghaffar HA, Malak HA & ELMasry AI	Effect of Artemether on gene expression of Pax4 versus Exenatide in experimental model of diabetes in rats. Arab journal of laboratory medicine (2020)., (45) 2.
M. Samy*, Fouda, A. M., Daba, M. H., & Yassin, A. R.	Reduction of Hepato-Metabolic Changes in Rat Model of Metabolic Syndrome by Metformin and Atorvastatin Combination. Advances in Medicine and Medical Research (2018), 1(1), 49-57.
M. Samy*, AM Fouda, MH Daba, AR Yassin	Synergistic reduction by metformin and atorvastatin combination of hepato-metabolic changes in rat model of metabolic syndrome. Mansoura Medical Journal (2016). 45 (1), 21-30.

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7. Conferences and Presentations

Name- organizer	Place and date	Type of participation
The 1st annual student conference entitled “An interdisciplinary approach to studying the relationship between sports and the musculoskeletal system Faculty of Medicine, New Mansoura University	2022	Organizer
International conference of the faculty of Medicine- Mansoura university (From influence to excellence)	2024	Attendance
Faculty of Medicine, New Mansoura University, the second student conference entitled. ‘Blood and its derivatives,	2023	Organizer
The 7th interactive dermatology conference	2024	Attendance
Mansoura Anatomy International conference (Anatomy research across boards: Innovations and insights)	2024	Attendance

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8. Training courses

Course name-organizer	Date
Mansoura Manchester program medical staff training course& workshops as follow:	2022
✓ Applied clinical training. ✓ Group based learning methods (PBL and TCD)	2024



<ul style="list-style-type: none">✓ Quality based assessment (MCQ, short essay, OSPE & OSCE)✓ Tools for lifelong learner (portfolio, E-learning)✓ research basics, EBM	
Exam system and student's evaluation, Center for University Performance Development, Mansoura University, Egypt.	2020
Nature Research Academies workshops: <ul style="list-style-type: none">✓ Grant Writing✓ Research Methodology✓ Writing A Research	October-2022
Basics of Digital Transformation Program, Digital training center, Center, Mansoura University, Egypt.	2024
SUMS Faculty professional Development Series 2025 (Managing Your Time) / Ibn Sina University For Medical sciences	2025
SMHS Center for Faculty Excellence- Engagement Techniques to Maximize Learning / Ibn Sina University For Medical science	2025
ISUMS/GW Webinar Series, Professionalism in Medicine ./Ibn Sina University For Medical sciences	October -2024
How to Prepare for USMLE Step I Webinar / Ibn Sina University For Medical sciences	December 2024



9. Teaching Experience for last 5 years

Course Name	Year	Institute
General and integrated Clinical pharmacology for undergraduate, and postgraduate M.Sc & Ph.D degrees, Oncology- M.Sc clinical pharmacology - M.Sc & Ph.D degrees, Forensic M.S degree, and Tropical M.S degree	To 2024	Faculty of Medicine, Mansoura University, Egypt.
Clinical pharmacology, Manchester program	2023-2024	Faculty of Medicine, Mansoura University, Egypt.
Clinical pharmacology	2024	Faculty of Dentistry, Mansoura University, Egypt.
Clinical pharmacology	2022-2023	Faculty of Nursing, Mansoura University, Egypt.
General and integrated Clinical pharmacology	2022-2023-2024	Faculty of Medicine, New Mansoura University, Egypt.
Clinical pharmacology-II	2022-2023-2024	Faculty of Dentistry and oral medicine, New Mansoura University, Egypt.
Systemic Pharmacology (integrated modules)	2025	Faculty of medicine, Ibn Sina University for medical sciences Amman, Jordan
Dental pharmacology	2025	Faculty of Dentistry and oral medicine, Ibn Sina University for medical sciences Amman, Jordan



10. committees' membership and community service

Date	Name or type of membership/service
2023	Committee of Environmental Affairs and Community Service" Mansoura University, Faculty of Medicine
2024	Quality Assurance and Accreditation Unit of Mansoura University, Faculty of Medicine
2025	Course Equivalency Committee Faculty of medicine, Ibn Sina University for medical sciences
2025	Support and Coordination of Scientific Research and Promotion of Academic Publication Faculty of medicine, Ibn Sina University for medical sciences

11. Awards And Honors

Name	Date	Issuing authority

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12. Other skills

Clinical pharmacology skills:

Experience in conduct of clinical trials: selection of patients, methods of randomization, conduct of the trial and implementation of ethics of research

Experimental pharmacology skills:

Physiological solutions, Bioassay, Isolated tissue preparations, animal models

Language:

- Arabic (native tongue)
- English very good

Computer knowledge: Windows, Microsoft office and Internet Search



13. References

Prof. Dr. Mohamed-Hesham yousri Daba (professor of clinical pharmacology, Damietta university, Egypt)

Prof. Dr. Karawan Mohammed Abd-el Rahman (professor of clinical pharmacology, Mansoura university, Egypt)

Prof. Dr. Ahlam Ibrahim EL-Masry (professor of clinical pharmacology, Mansoura university, Egypt)

Prof. Dr. Abd-el Motaal fouda (professor of clinical pharmacology, Mansoura university, Egypt)

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