

Curriculum Vitae (April 2024)
Dr. Mohammad Salem Hareedy Abdelfatah

Associate Professor, Faculty of medicine, Mutah University

PERSONAL INFORMATION:

- **Name:** Mohammad Salem Hareedy Abdelfatah
- **Passport:** A22434584
- **Place of birth:** Assiut – Egypt
- **Nationality:** Egyptian
- **Date of Birth:** 22/01/1983
- **Military Service:** Completed
- **Position:**
 - Associate Professor of pharmacology, Faculty of Medicine, Mutah University, Jordan
 - Associate Professor of pharmacology, Faculty of Medicine, Assiut University, Egypt.
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CERTIFICATES:

1- M.B.B.CH (Bachelor of Medicine and Surgery) (2005): Faculty of Medicine, Assiut University, Assiut – Egypt. General grade: "Excellent with honor"

2- M.Sc. in Pharmacology (2010): Faculty of Medicine, Assiut University, Assiut – Egypt. The master thesis was titled: "Study of effects of clozapine and risperidone on the antiepileptic activity of valproic acid".

3- Ph.D. in Pharmacology (2016): Faculty of Medicine, Assiut University, Assiut – Egypt. The doctorate degree thesis was titled: "Genetic Study of Thiopurine-S-methyl Transferase Enzyme and Other Genetic Markers in Egyptian Pediatric Patients with Acute Lymphoblastic Leukemia Maintained on 6-Mercaptopurine Drug".

4- M.Sc. degree in dermatology, venerology, and andrology (2022): Faculty of Medicine, Al-Azhar University. The master thesis was titled: "Evaluation of thyroid functions in patients with acne vulgaris treated by systemic isotretinoin".

WORK EXPERIENCES:

1. Clinical Internship (March 2006 to February 2007) in Assiut University Hospitals.
2. Instructor of Pharmacology (April 2007 - January 2011): Faculty of Medicine, Assiut University, Egypt.
3. Assistant lecturer of Pharmacology (January 2011 - February 2016): Faculty of Medicine, Assiut University, Egypt.

4. Resident of clinical Therapeutic Drug Monitoring (TDM) lab (October 2010 - March 2013) at Assiut University Hospitals, Egypt.
5. Member of INSERM-u850, Limoges University, France (April 2013 - March 2015).
6. Quality manager of Tissue culture and Molecular biology laboratory, Assiut University (April 2015- 2016).
7. Lecturer of pharmacology at Faculty of Medicine, Assiut University (March 2016 - November 2021).
8. Lecturer of pharmacology (Partial Assignment), Faculty of Pharmacy, Sohag University (2016 -2021).
9. Lecturer of pharmacology (Partial Assignment), Faculty of Pharmacy, Russian University, Egypt (2019).
10. Lecturer and then Associate Professor of pharmacology (Partial Assignment), Faculty of Medicine, Aswan University (2019- June 2023).
11. Associate Professor at Faculty of Medicine, Assiut University, Egypt (2021 till now).
12. Associate Professor of pharmacology (Partial Assignment), Sphinx University (2022).
13. Associate Professor of pharmacology (Partial Assignment), Faculty of Medicine (New Valley University) , ElKharga, Egypt (2022-2023).
14. Member of the Organizational Structure of “Institute for Research, Development and Innovation of drugs” Assiut University (February 2022 -2023).
15. Supervisor of the animal house of Faculty of Medicine, Assiut University (2022-2023).
16. Associate Professor at Faculty of Medicine, Mutah University, Jordan (October 2024 till now).

INTERNATIONAL PUBLICATIONS

- 1- Genetic variants in 6-mercaptopurine pathway as potential factors of hematological toxicity in acute lymphoblastic leukemia patients. *Pharmacogenomics* 2015.
- 2- High doses of digoxin increase the myocardial nuclear factor-kB and CaV1.2 channels in healthy mice. A possible mechanism of digitalis toxicity. *Biomedicine & Pharmacotherapy* 2018.
- 3- Innovative HPTLC method with fluorescence detection for assessment of febuxostat-montelukast combination and study of their protective effects against gouty arthritis. *Analyst* 2018.
- 4- Montelukast modifies simvastatin-induced myopathy and hepatotoxicity. *Drug Development Research* 2019.
- 5- Pregabalin administration and withdrawal affect testicular structure and functions in rats. *Andrologia* 2020.
- 6- Valproate attenuates hypertonic glycerol-induced rhabdomyolysis and acute kidney injury. *Néphrologie & Thérapeutique* 2021.
- 7- CYP2D6 and CYP3A4 variants influence the risk and outcome of COVID 19 infection among rheumatoid arthritis patients maintained on hydroxychloroquine. *Drug Metabolism and Personalized Therapy* 2021.
- 8- Patterns of thyroid dysfunction in adolescent patients suffering from severe acne during isotretinoin treatment. *Clinical and experimental pharmacology and physiology* 2021.
- 9- Frequency and impact of DHODH, ABCG2 and CYP2C19 SNPs on the therapeutic efficacy, tolerability, and toxicity of leflunomide. *Pharmacogenomics* 2021
- 10- Celecoxib has preventive and therapeutic benefits against nephrotoxicity caused by gentamicin in mice. *Drug Research* 2022.

- 11- Systemic isotretinoin has an impact on hemoglobin, ferritin, urea, ceruloplasmin, albumin, uric acid levels, and neutrophil to lymphocyte ratio in acne patients. J Cosmet Dermatol. 2022.
- 12- Prevalence of CYP2D6*4 and its possible relation to therapeutic outcomes of adjuvant tamoxifen therapy in Egyptian premenopausal women with breast cancer. Bulletin of pharmaceutical science. 08 April 2022.
- 13- Value of therapeutic drug monitoring of endoxifen in Egyptian premenopausal patients with breast cancer given tamoxifen adjuvant therapy. A pilot study. Journal of Oncology Pharmacy Practice December 2022.
- 14- A feasible HPTLC method for concurrent quantitation of allopurinol montelukast co-therapy in plasma and evaluation of their hepatic and renal effects in rats: Analytical, biochemical, and histopathological study. Journal of pharmaceutical and biomedical analysis; Sep 2023.
- 15- Loratadine is not inferior to ibuprofen in attenuating acute gouty arthritis in rats. Current topics in pharmacology, 2023.

BOOK EDITION (with other authors)

- 1- Up to date in pharmacology (volume 1); first, second and third editions.
- 2- Up to date in pharmacology (volume 2); First, second and third editions.
- 3- Handbook of Experimental and clinical pharmacology for pharmacy students (volume 1): first, second and third editions.
- 4- Handbook of Experimental and clinical pharmacology for pharmacy students (vol 2).
- 5- Up to date in biological drug evaluation and biostatistics.
- 6- Up to date in basic and clinical toxicology.
- 7- Handbook of basic and clinical toxicology.
- 8- Handbook of clinical pharmacology.

ADDITIONAL PROFESSIONAL ACTIVITIES

- Member of Quality Assurance and Accreditation project, Faculty of Medicine, Assiut University (2010 till now).
- Peer reviewer of the pharmacogenomic journal (TPJ).
- Peer reviewer of the molecular medicine journal.
- Trainer of E-learning programs and Exam view writing, Fac. of Medicine, Assiut University.
- Trainer of Molecular biology techniques at tissue culture and Molecular biology laboratory, Assiut University (2015-2016).
- Trainer of Reference writing program (Endnote) and digital library, Fac. Of Medicine, Assiut University.
- Trainer of experimental pharmacology workshops held by department of pharmacology, Fac. Of Medicine, Assiut University.
- Member of the Library Committee Fac. of Medicine, Assiut University.
- Member of Measurement and Evaluation Center, Fac. of Medicine, Assiut University.

SKILLS

LABORATORY SKILLS:

- Basic hematology, blood banking, clinical chemistry, microbiology, immunology, TDM and research laboratory techniques.
- Handling of experimental animals and using in vitro preparations for teaching purposes and research.
- Molecular biology and tissue culture techniques, HPLC, ELISA and immunohistochemistry.

TEACHING SKILLS

1. Teaching and demonstration of practical pharmacology courses to all undergraduate medical, dental medicine and pharmacy students at Assiut University (since 2007).
2. Teaching clinical pharmacology and therapeutic courses for pharmacy students at Assiut (since 2009) and Sohag (Since 2016) Universities.
3. Teaching pharmacology, drug interaction, toxicology, and clinical pharmacology courses for students of the clinical pharmacy program at Assiut University (since 2009).
4. Teaching of pharmacology course to the undergraduate students of faculties of Medicine, veterinary medicine, pharmacy, nursing, and dental medicine at Assiut University (Since 2011).
5. Teaching toxicology courses to undergraduate pharmacy students at Assiut (since 2011) and Sohag (Since 2017) Universities.
6. Teaching of Bioassay, biostatistics, and drug screening course to undergraduate pharmacy students at Assiut (since 2007) and Sohag (Since 2017) Universities.
7. Teaching the medical terminology course for students of the clinical pharmacy program at Assiut University (Since 2011).
8. Teaching principle of pharmacology for students at the faculty and institute of nursing at Assiut University (Since 2015).
9. Teaching the course of drug addiction (in Arabic) for students of psychology department at the faculty of arts, Assiut University (2009).
10. Teaching the course of drug abuse and stimulants used by athletes (in Arabic) for undergraduate students at the faculty of physical education, Assiut University (2016).
11. Teaching postgraduate students (Diploma, master, and PhD) in pharmacology, clinical pharmacy, drug interaction, therapeutics, and biostatistics (Science 2017).
12. Teaching courses in Pharmacoeconomics, pharmacovigilance and Pharmacy administration (2019).

COMPUTER SKILLS:

- ICDL.
- Digital transformation courses from the Electronic and Knowledge Services Center and successfully passing the test. May 2021

LANGUAGE SKILLS:

- Arabic (Mother tongue).
- Very good in English (passed international TOEFL and ELPT program).
- Good French speaker.

MEMBERSHIPS

- Member of the Egyptian medical syndicate since Mar.2007 till now.
- Member of IATDMCT (from 2014 till now).
- Member of the French society of pharmacology and therapeutics.
- Member of the Egyptian society of pharmacology & experimental therapeutics.

ATTENDANCE OF SOME CONFERENCES AND WORKSHOPS:

1. The Assiut University 7th International Pharmaceutical science Conference – Assiut University, "The effect of clozapine on the anticonvulsant action of sodium valproate against pentylenetetrazol induced clonus in mice" March 17-18, 2010.
2. The 28th Annual conference of faculty of Medicine "Tomorrow's doctors and community welfare" March 20-23, 2010.

3. Workshop "Basic Molecular Biology Techniques" at the medical research institute, Alexandria-Egypt. Feb. 26-28, 2012.
4. The 18th annual meeting of the French society of pharmacology and therapeutics (Poitiers, France) "Genotyping analysis of TPMT and ITPA variants in Egyptian pediatric patients with acute lymphoblastic leukemia and its association with 6-mercaptopurine related myelotoxicity".
5. Workshop Immunohistochemistry (advanced): Techniques" at the medical research institute, Alexandria-Egypt. April. 14-16, 2015.
6. The 39th annual international conference of histology and cytology (Stem cell therapy: dream or reality?), Assiut University: December 2015.
7. Workshop (Basic techniques of stem cell isolation and molecular biology; Tissue culture and molecular biology Lab., Assiut University; December 18, 2015.
8. Workshop (Basic Statistics using SPSS) at the medical research institute, Alexandria-Egypt. March. 06-09, 2017. Workshop (Cultivation of mammalian cells: primary cultures as a tool
9. in life science research) at the Molecular biology research unit, Assiut University, Egypt. November. 26-28-2017.
10. The 16th Annual conference of neuropsychiatry department of Assiut University (recent trends in management of neuropsychiatric disorders): oral talk "Recent trend in treatment of Alzheimer's disease: pharmacological aspects".
11. Assiut University 11th International Pharmaceutical Science Conference, Faculty of Pharmacy, Assiut, Egypt, April 11th & 12th, 2018. "Celecoxib Attenuates Nephrotoxic Effects of Gentamycin in Mice".
12. Assiut University 11th International Pharmaceutical Science Conference, Faculty of Pharmacy, Assiut, Egypt, April 11th & 12th, 2018. Oral talk "IT-Based International Diploma and Professional Certificate in Clinical Toxicology "ITCT": Diploma courses and Professional Certificates". 2019
13. Workshop (Cultivation of mammalian cells: primary cultures as a tool in life science research) at the Molecular biology research unit, Assiut University, Egypt. November. 26-28-2017.
14. Occupational, industrial, and environmental toxins Training course Faculty of medicine, Assiut University and ERASMUS+.
15. Workshop (Basic Bioinformatics) at the medical research institute, Alexandria-Egypt. 31 Augst - 2 September 2016.
16. Workshop of the 14th symposium and workshop meetings of dermatology and andrology department (Azhar Uiversity) titled (dermatopathology and clinical cases);14 Feb 2018
17. Workshop of the 3rd annual scientific conference of dermatology and andrology department (Azhar Uiversity) titled (Updates in aesthetic dermatology); December 2018.
18. The Third Scientific Conference of Dermatology and Venereology at Al-Azhar University, 2018.
19. Workshop of the 4th annual scientific conference of dermatology and andrology department (Azhar Uiversity) titled (dermoscopt basic-hand on); 03 November 2019.
20. The Fourth Scientific Conference of Dermatology and Venereology at Al-Azhar University, 2019.
21. Molecular genetics and biotechnology seminars (Genetic variants in 6-mercaptopurine pathway as potential factors of hematological toxicity in acute lymphoblastic leukemia patients). 11 November 2019.

22. Workshop of the 5th annual scientific conference of dermatology and andrology department (Azhar University) titled (hair transplantation); 09 December 2020.
23. The First scientific day of Upper Egypt Society of dermatology, andrology, and venerology (Biologics in dermatology) 15 September 2021.
24. Preparing the test vocabulary for the medical sector within the plan to implement the national system for electronic tests. Measurement and Evaluation Center in the Higher Education Development Projects Management Unit. May 19, 2021.
25. Designing electronic tests, Measurement and Evaluation Center in the Higher Education Development Projects Management Unit. January 26, 2021.

PROJECTS (FINISHED)

1. Member in the project funded by **ERASMUS+**: IT-Based International Diploma and Professional Certificate in Clinical Toxicology "ITCT".
2. Member in the project funded by the grant office at Faculty of Medicine, Assiut University titled "Assessment of leflunomide efficacy and hepatotoxicity in patients with rheumatoid arthritis through pharmacokinetic and genetic approaches".
3. Member in the project funded by the grant office at Faculty of Medicine, Assiut University titled "Role of Tamoxifen, 4-OH tamoxifen, N-desmethyl tamoxifen and endoxifen levels and their ratios in the prediction of therapeutic outcomes of tamoxifen in breast carcinoma".

THESIS SUPERVISION (FINISHED)

1. A PhD thesis titled (Genetic study of CYP2D6 and therapeutic drug monitoring of Tamoxifen in premenopausal women with breast cancer) related to Dr. Amira Fawzy Taha (pharmacology department) 2021. The thesis is co-supervised by Prof. Ehab Eldesoky and Prof. Abeer Elsayed.
2. A Master thesis titled "Potential Cardioprotective Role of Dapagliflozin in Post Myocardial Infarction Patients" related to Mariam Melad Rafla (2023) Faculty of Medicine-Pharmacology Department Aswan- University. This thesis is co-supervised by Prof. Mahmoud Hamdy and Dr. Saud Mohamed Elsaughier.
3. A Master thesis titled "Evaluation of the possible anti-inflammatory effects of loratadine in experimentally acute gouty arthritis in rats" related to Ebrahim Mohamed Abo Arays (2023) Faculty of Medicine- Pharmacology Department Aswan-University. This thesis is co-supervised by Prof. Mahmoud Hamdy.

COURSES AND TRAININGS:

1. Soft skill Courses held in "Faculty and Leadership Development Center (FLDP)", in the period (2007-2009); Assiut University:
 - Effective communication Skills (15 hours)
 - Quality Standards in the Education Process (15 hours)
 - Research Methods (15 hours)
 - International publication (15 hours)
 - Ethics in practicing medicine (15 hours)
 - Laws in Egyptian universities (15 hours)
2. A training course titled "Preparing the university lecturer" which was held in Faculty of Education, Assiut University (60 hours).
3. Soft skill Courses held in "Faculty and Leadership Development Center (FLDP)", in (2015); Assiut University:
 - Effective presentation (15 hours)

- Analytical and creative thinking (15 hours)
- Strategic planning (15 hours)
- Student evaluation(15 hours)
- How to compete for a research fund (15 hours)
- E-Learning (15 hours)

4- Soft skill Courses held in "Faculty and Leadership Development Center (FLDP)", in (2020); Assiut University:

- Professional behavior.
- Publishing research in international journals.
- Quality standards in the teaching process.
- Communication skills in different educational styles.
- Effective management of time and work pressures.
- Ethics of scientific research.

FIELDS OF INTEREST:

- Pharmacogenetics and pharmacogenomics.
- Clinical pharmacology and pharmacovigilance.
- Anticancer drugs.
- Experimental pharmacology.
- Immunopharmacology.
- Drugs of abuse.
- Dermatologic pharmacology.
- Molecular Pharmacology.
- Therapeutic drug monitoring.
- Clinical toxicology.
- Pharmacokinetics.
- Laboratory management.
- Course specifications and E-learning.

REFERENCES

1-Prof. Pierre Marquet

Professor of pharmacology and Head of INSERM unit UMR-850, Faculty of Medicine, Limoges University, France and Department of pharmacology, toxicology and pharmacovigilance, Limoges University Hospital, France.

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