

Asmaa Soliman Abel-Rahman Mohammed

Lecturer of Pharmacology
and Toxicology 

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Minia, Egypt

Academic Qualifications

PhD in pharmaceutical Sciences (pharmacology)

Faculty of Pharmacy, Minia University, 2023

Thesis Title: The Mechanisms of Paclitaxel-
induced Peripheral Neuropathy in Mice

Master degree in pharmaceutical Sciences (pharmacology)

Faculty of Pharmacy, Minia University, 2019

Thesis Title: Effect of Resveratrol on The
Cardiovascular Complications of STZ-Induced
Diabetes in Rats: Role of Heme Oxygenase
Enzyme

Bachelor of Pharmaceutical Sciences

Faculty of Pharmacy, Minia University, 2013,
with an overall grade of Distinction Honor
(92.94 %).

Work Experiences

- **Lecturer of Pharmacology and Toxicology**
Faculty of Pharmacy, Minia University (2023-now)
- **Assistant Lecturer of Pharmacology and Toxicology**
Faculty of Pharmacy, Minia University 2019-2023
- **Demonstrator of Pharmacology and Toxicology**
Faculty of Pharmacy, Minia University 2013-2019

Teaching Experiences

- **Lectures**
 - Graduate Courses
 - Advanced & Molecular Pharmacology For master students 2024
 - Bioassay and Pharmacokinetics For biochemistry diploma students 2024
 - Undergraduate Courses 2023-now
 - To the students of the BSc. of Pharmacy and BSc. clinical pharmacy program include;
 - Pharmacology 1
 - Pharmacology 2
 - Pharmacology 3
 - Clinical Pharmacology
 - First Aid & Emergency Medicine
 - Medical Terminology
 - Biostatistics
 - Elective pharmacology Course
- **Practical Sessions**

10 years of experience in preparing, teaching, and supervising both Practical sessions & clinical tutorials to discuss case-studies in the fields of clinical Pharmacology & Toxicology

Research Experiences

- **Isolated Organ (In-vitro) Preparations:**
1 Publication 2019
Experiments involving the use of isolated organs such as the rat trachea, rabbit intestine, frog rectus abdominis and rat aortae.
- **In vivo experimental experience**
3 publications 2019 - 2023
Induction of experimental type-1 diabetes mellitus in rats by streptozotocin, sepsis via cecal ligation and puncture , neuropathy by paclitaxel.
- **Instrumental Techniques**

Good experience in spectrophotometric assays, and Western blotting.

Computer Skills

- Reference management software such as Endnote®.
- Statistical and data analysis software such as GraphPad Prism®.
- Online conferencing software such as Zoom, and Microsoft Teams®.
- Good experience in artificial intelligence applications and prompt engineering.

Language

- Very good command of English language
IELTS band 7.0 2024
- Arabic is my mother language

Honors & Awards

- **Prize for International Publication**
Minia University 2024
- **Ceremony for distinguished academic achievement**
Syndicate of Pharmacists 2013
- **Ceremony for distinguished academic achievement, nominated First through out undergraduate studies**
Minia University 2013
- **Scholarship for outstanding academic performance**
Faculty of Pharmacy, Minia University 2009-2012

Abstracts

- **Hammad S.A.**, Mahmoud El-Daly, Mahmoud A. Saleh, Ahmed I. Abdelaziz, Ahmed O. M. Lamloum, Mona A. A. Ali, Abdel-Rahman Talaat and Al-Shaimaa F. Ahmed (2016): Role of Proteinase Activated Receptor 2 in Indomethacin Induced Gastric Ulcer: 33rd Scientific Conference of the Egyptian Pharmaceutical Society
Feb. 2016

Talks

- Invited to give a lecture in Phocus event organized by Egypt pharmacy student federation about cancer nutrition & patient education 2023

Publications

- **Hammad, A. S., M. M. Sayed-Ahmed, S. M. N. A. Hafez, A. R. Ibrahim, M. M. Khalifa and M. El-Daly (2023).** "Trimetazidine alleviates paclitaxel-induced peripheral neuropathy through modulation of TLR4/p38/NF-κB and klotho protein expression." *Chemico-Biological Interactions* 376: 110446
- **Hammad, A., S. A. Mohamed M, M. Khalifa and M. El-Daly (2023).** "Mechanisms of Paclitaxel-induced peripheral neuropathy." *Journal of advanced Biomedical and Pharmaceutical Sciences* 6(1): 25-35.
- **Anter, A; Ahmed, A-SF; Kasem, AW; Hammad, A; Almalki, W; Abdel Hafe, S; Al-rabia, M; El-Daly, M (2022).** The severity of acute kidney and lung injuries induced by cecal ligation and puncture is attenuated by menthol: role of PCNA and apoptotic markers. *Frontiers in Medicine*: 1650.
- **Hammad, A.S.,** Ahmed A-SF, Heeba G, Taye A., Heme oxygenase-1 contributes to the protective effect of resveratrol against endothelial dysfunction in STZ-induced diabetes in rats. *Life sciences*, **2019**. 239: p. 117065
- **Hammad A. S,** Ahmed A-SF, Heeba G, Taye A, Resveratrol protects against early cardiomyopathic changes-induced by Type-1 diabetes through a heme-oxygenase-1 dependent mechanism. *Journal of Advanced Biomedical and Pharmaceutical Sciences*, **2019**. 2(1): p. 12-18.

Conferences

- **Minia Pharmacy Scientific Conference**
Faculty of Pharmacy, Minia University, Egypt SEP 2024
- **International conference on Pharmaceutical and Health care sciences**
Faculty of Pharmacy, Alexandria University, Egypt NOV 2019
- **The second Minia Health insurance cardiology conference**
Ministry of Health and Population, Minia, Egypt March 2019

Conferences (continued)

- The second Clinical Pharmacy Scientific Conference
Minia University Hospitals, Minia, Egypt July 2018
- The second scientific Conference of Oncology Centres
Ministry of Health and Population, Tanta, Egypt July 2018
- Egyptian Pharmaceutical Society International conference of Pharmaceutical sciences
Cairo University, Egypt Feb 2016

Extracurricular Activities

- Member of Environmental Affairs and Community Service Committee
Faculty of Pharmacy, Minia University 2024
- Member of Organization Committee of Minia Pharmacy Scientific Conference
Faculty of Pharmacy, Minia University 2024
- Head of Molecular Biology Unit
Faculty of Pharmacy, Minia University 2023- Now
- Participation in evaluation of patient counselling competition of the Egyptian pharmacy student federation (EPSF)
Faculty of Pharmacy, Minia University 2018- Now
- Participation in organization of annual pharmacology competition
Department of Pharmacology and Toxicology, Faculty of Pharmacy, Minia University 2018- Now
- Participation in organization of scientific camp for school students
Faculty of Pharmacy, Minia University 2016
- Participation in student summer research project
Department of Pharmacology and Toxicology, Faculty of Pharmacy, Minia University 2016

References

Available upon request