

Curriculum Vitae

Alaa Hesham Fawzi Shehata

PERSONAL DATA:

Date of birth: November 16, 1991.

Nationality: Egyptian.

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EDUCATION & TRAINING:

PhD Degree in pharmaceutical sciences (2024)

Department of pharmacology & toxicology, Faculty of Pharmacy, Minia University, Egypt.

Overall Grade: Very Good

M.Sc Degree in pharmaceutical sciences (2020).

Department of pharmacology & toxicology, Faculty of Pharmacy, Minia University, Egypt.

Overall Grade: Very Good

Bachelor of Pharmacy (2014)

Faculty of pharmacy, Minia University, Egypt

Overall Grade: Distinction Honor (94.37%)

Rank: 1st in all years of my study.

EXPERIENCES:

Work Experience

2020 : Assistant Lecturer

Department of pharmacology & toxicology, Faculty of Pharmacy, Minia University, Egypt.

2014 - 2020: Demonstrator.

Department of pharmacology & toxicology, Faculty of pharmacy, Minia University, Egypt.

2014: Community Pharmacist.

Hager Pharmacy, Minia, Egypt.

Research Experience:

- A. Experimental cerebral ischemic rat model by bilateral common carotid artery occlusion (BCCO).
- B. Experimental animal models of cerebral injury and neurobehavioral deficits.
- C. Experimental model of sepsis in rats by cecal ligation and puncture.
- D. Bioassay experiments involving isolated organ preparations such as: Rabbit intestine and Frog rectus abdominus.
- E. Pharmacological screening of analgesic and anti-inflammatory drugs.
- F. Experimental gastric ulceration and polycystic ovaries in rats.

Teaching Experiences:

- A. Seven years of experience teaching practical experimental, clinical, and toxicology sessions for third and fourth-year pharmacy students. (2014-2021)
- B. Design a practical book in collaboration with other teaching assistants in the department to develop clinical pharmacology and toxicology course for third and fourth-year pharmacy students.
- C. Help the fourth pharmacy students in their pharmacological scientific research and evaluate their research.
- D. Design the practical exams of experimental pharmacology, clinical pharmacology, and toxicology for the third and fourth pharmacy students.

PUBLICATIONS

Pioglitazone ameliorates sepsis-associated encephalopathy through SIRT1 signaling pathway

Alaa H. Shehata, Aliaa F. Anter, Sara Mohamed Naguib Abdel Hafez, Ahmed RN Ibrahim, Eman S. Kamel, Al-Shaimaa F. Ahmed - International Immunopharmacology, 2024 – Elsevier

<https://doi.org/10.1016/j.intimp.2024.112757>

Role of SIRT1 in sepsis- induced encephalopathy: Molecular targets for future therapies

Alaa H. Shehata, Aliaa F. Anter, Al-Shaimaa F. Ahmed – European Journal of Neuroscience, 2023 – Wiley.

<https://doi.org/10.1111/ejn.16167>

Aescin Protects against Experimental Benign Prostatic Hyperplasia and Preserves Prostate Histomorphology in Rats via Suppression of Inflammatory Cytokines

Mohamed Raafat, Amr A. Kamel, Alaa H. Shehata, Al-Shaimaa F. Ahmed. Pharmaceuticals, 2022, MDPI

<https://doi.org/10.3390/ph15020130>

The impact of single and combined PPAR- α and PPAR- γ activation on the neurological outcomes following cerebral ischemia reperfusion

AHF Shehata, ASF Ahmed, AB Abdelrehim, GH Heeba - Life Sciences, 2020 – Elsevier.

<https://doi.org/10.1016/j.lfs.2020.117679>

Antidepressant potential of Mesembryanthemum cordifolium roots assisted by metabolomic analysis and virtual screening

AAE Said, TFS Ali, EZ Attia, ASF Ahmed... - Natural Product ..., 2020 - Taylor & Francis.

<https://doi.org/10.1080/14786419.2020.1788019>

COMPUTER EXPERIENCE:

- Good experience with computer softwares: Microsoft Word®, Excel®, Powerpoint®, Graphpad (Prism®), image j® and Endnote.
- International Computer Driving License (ICDL) Certificate (2012)

LANGUAGE:

Excellent skills in English.

HONORS & AWORDS:

Class standing: The 1st student throughout my undergraduate studies.

Conferences & workshops:

2024: (EFFECT OF GENDER DIFFERENCES ON LPS-INDUCED ENCEPHALOPATHY IN MICE) A poster presented at Minia Pharmacy Conference, Jewel ElMinia, Minia, Egypt.

2019: (PIOGLITAZONE AMELIORATES SENSORY AND MOTOR BEHAVIORAL DEFICITS IN A RAT ISCHEMIC STROKE MODEL) A poster presented at International Conference of Pharmaceutical and Healthcare Sciences, Hilton Green-Plaza, Alexandria, Egypt. Cairo University, Egypt

2019: Scientific training course of the **WESTERN BLOTTING ANALYSIS**, Molecular Biology Unit, Faculty of Pharmacy, Minia University

2016: (EFFECT OF ISOTRETINOIN ON INDOMETHACIN-INDUCED GASTRIC ULCERATION) A poster presented at the International Conference of Pharmaceutical Sciences, Cairo University, Egypt

2016: EFFECTIVE PRESENTATION SKILLS, Faculty Development & Leadership Center, Minia University, Minia, Egypt.

2014: meeting of the **EGYPTIAN SOCIETY FOR STUDY OF NAFLD-NASH & UPDATES IN HEPATOLOGY**, Military Forces Club, Minia, Egypt.

2011: EFFECTIVE COMMUNICATION SKILLS, Faculty of Pharmacy, Minia University, Minia, Egypt.

AFFILIATIONS:

- ❖ **Member of the Egyptian Syndicate of Pharmacists (2014-2020).**
 - ❖ **Member of the Egyptian Pharmaceutical Society (2016-2020).**
 - ❖ **Member of a special committee in my faculty responsible for following up postgraduate students (2016-2020).**
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EXTRACURRICULAR ACTIVITIES:

- ❖ **2015:** I was a volunteer in a special activity at my faculty of pharmacy called (Minia University Science Camp). My role was to lead a small group of children ages 6-10 years in which we taught them a simple interesting scientific experiment and some basics of scientific thinking.
- ❖ **2013:** I was chosen by my faculty of pharmacy to represent my faculty in a unique student contest.
- ❖ **2012:** I was a member of many charity medical services to many isolated areas with insufficient medical services my role was to provide free medical advice and prescribe simple medications.