

Omnia Ahmed Mohammed Abd El-Ghfar

**Assistant professor and head of pharmacology &
toxicology department**



Name: Omnia Ahmed Mohamed Abd El-Ghfar

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Citations: 235

h-index: 11

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Google Scholar: <https://scholar.google.com/citations?hl=ar&user=waVQdo4AAAAJ>

Academic Education: _____

- **May / 2010** : Have got bachelor in pharmaceutical sciences
Grade: Excellent with honor

- **September/2013:** Have got pre-master degree in pharmacology and toxicology, Faculty of pharmacy, Beni-Suef University with first place.

- **October/2015** : Have got master degree in pharmacology and toxicology, Faculty of pharmacy, Beni-Suef University.

- **March/2018** : Have got PhD degree in pharmacology and toxicology, Faculty of pharmacy, Beni-Suef University.

- **March/2023** : Have got associate professor degree in pharmacology and Toxicology.

Chronology of Employment:

- Demonstrator of Pharmacology and Toxicology, Faculty of Pharmacy, Nahda University, from March 2014 to December 2015.
- Assistant lecturer of Pharmacology and Toxicology, Faculty of Pharmacy, Nahda University, from December 2015 to May 2018.
- lecturer of Pharmacology and Toxicology, Faculty of Pharmacy, Nahda University, from May 2018 till now.
- Head of the Department of Pharmacology and Toxicology - Faculty of Pharmacy - Al-Nahda University since October 2022 until now.

Additional information:

Career related activities:

- Supervisor of the Animal House at Faculty of Pharmacy - Nahda University since October 2018 until now.
- Head of the Financial and Material Resources Standard - Faculty of Pharmacy - Nahda University, from September 2021 until now.
- Member of the Scientific Research Ethics Committee at Faculty of Pharmacy - Nahda University since October 2022 until now.
- Member of the Drug Information Center (DIC) - Faculty of Pharmacy - Nahda University during the academic year 2021-2022.
- Member of the College Council - Faculty of Pharmacy - Nahda University since June 2018 until now.
- Member of the Program for Helping and Supporting Struggling Students (Big Brother) - Faculty of Pharmacy - Nahda University since June 2018 until now.
- Member of the Academic Advising Committee - Faculty of Pharmacy - Nahda University since June 2018 until now.
- Member of the summer field training program for students - Faculty of Pharmacy - Nahda University, since September 2018 until now.
- Member of the Postgraduate Studies Committee, Department of Pharmacology and Toxicology, Faculty of Pharmacy, Nahda University, from October 2018 to October 2022.
- Member of the Scientific Committee, Department of Medicines and Toxicology - Faculty of Pharmacy - Nahda University, since October 2022 until now.
- Member of the Schedule Committee, Department of Pharmacology and Toxicology, Faculty of Pharmacy, Nahda University, during the academic year 2021-2022.
- Member of the Questionnaires Committee - Faculty of Pharmacy - Nahda University since October 2018 until now.
- Member of the Programs and Courses Committee - Faculty of Pharmacy - Nahda University since September 2018 until now.
- Member of the Crisis and Disaster Committee - Faculty of Pharmacy - Nahda University since September 2021 until now.
- Control Member - Faculty of Pharmacy - Nahda University since June 2018 until now.
- Member of the Cultural Committee for Student Activities from October 2022 until now.

- Member of the MRSA Student Committee for Scientific Research - Faculty of Pharmacy - Nahda University during the academic year 2018-2019 and 2019-2020.
- Member of the Committee for Examination and Destruction of Damaged and Unfit Chemicals - Faculty of Pharmacy - Nahda University, since September 2022 until now.
- Member of the General Syndicate of Pharmacists of Egypt since 2010 until now.
- Member of the Sub-Syndicate in Fayoum Governorate from 2010 until now.
- Member of the committee formed for a meeting with the Informatics company to develop the electronic system at Nahda University during the academic year 2020-2021.
- Member of the committee formed for a meeting with Winix SIS POC to develop the electronic system at Nahda University during the academic year 2022-2023.
- Member of the ELS team within the Faculty of Pharmacy - Nahda University during the academic year 2018-2019.
- Member of the Organizing Committee for the Second Conference of the Faculty of Pharmacy - Al-Nahda University: The NUB 2nd Conference of Scientific Research in Pharmacy "Future Insights". Faculty of Pharmacy, Nahda University, Egypt. 11th-12th March 2019.
- Secretary of the Board of the Department of Drugs and Poisons - Faculty of Pharmacy - Nahda University from June 2018 to October 2020.
- Secretary of the College Council - Faculty of Pharmacy - Nahda University, from November 2020 until now.
- Responsible for the department file - Faculty of Pharmacy - Nahda University during the academic year 2018-2019 and 2019-2020
- Responsible for setting the schedule of supervision for faculty members on exams halls from 2011 till now.
- Responsible for setting the schedule of observations for free subjects and university requirements for the exams of the College of Pharmacy from 2011 till now.
- Responsible for the control store for the academic year 2019-2020
- Responsible for technical support meetings regarding the standard of financial and material resources from the Faculty of Pharmacy to the Faculty of Engineering at Al-Nahda University on 11-22-2021.
- Supervising the training of the college evacuation plan in the event of disasters on 10-26-2021.
- Member in preparing for the academic accreditation visit by the National Authority for Quality Assurance of Education and Accreditation - College of Pharmacy - Al-Nahda University in the period 3/18/2019 to 3/20/2019

Training courses and workshops

✚ Training courses for developing the capabilities of faculty members:

1. "University Administration" course (21/5/2022 - 1/6/2022) - at the Human Resources Development Center, Beni Suf University.
2. A course on "Preparing Competitive Projects for Research Funding" (6/5/2022 - 6/6/2022) - at the Human Resources Development Center, Beni Suf University.
3. "Quality Standards in the Teaching Process" course (6/19/2022 - 6/20/2022) - at the Human Resources Development Center, Beni Suf University.
4. A course on "Integrity, Transparency and Anti-Corruption" (6/21/2022 - 6/22/2022) - at the Human Resources Development Center at Beni Suf University.
5. A course on "Professional Ethics and Behavior in University Work" (6/26/2022 - 6/27/2022) - at the Human Resources Development Center at Beni Suf University.

6. "International Publication of Scientific Research" course (8/14/2022 - 8/15/2022) - at the Human Resources Development Center, Beni Suef University.

Digital Transformation Courses:

1. "Fundamental of IT & OS" course (7/2022) - at the Information Technology Training Center at Beni Suef University, which is affiliated with the Information Technology Training Center of the Supreme Council of Universities.
2. "Word" course (7/2022) - at the Information Technology Training Center at Beni Suef University, which is affiliated with the Information Technology Training Center of the Supreme Council of Universities.
3. "Power Point Presentation" course (7/2022) - at the Information Technology Training Center at Beni Suef University, which is affiliated with the Information Technology Training Center at the Supreme Council of Universities.
4. "Spreadsheets" course (7/2022) - at the Information Technology Training Center at Beni Suef University, which is affiliated with the Information Technology Training Center at the Supreme Council of Universities.
5. "Fundamental of Data Base" course (7/2022) - at the Information Technology Training Center at Beni Suef University, which is affiliated with the Information Technology Training Center of the Supreme Council of Universities.
6. "Mobile Application" course (7/2022) - at the Information Technology Training Center at Beni Suef University, which is affiliated with the Information Technology Training Center of the Supreme Council of Universities.
7. "Web Editing and Publishing" course (7/2022) - at the Information Technology Training Center at Beni Suef University, which is affiliated with the Information Technology Training Center of the Supreme Council of Universities.

Quality courses and workshops:

1. Workshop "Preparing Targeted Learning Outcomes Matrices for the Educational Program and Courses" (8/25/2018) - Faculty of Pharmacy - Nahda University.
2. Workshop on "Specification of an educational program and course" (8/25/2018) - Faculty of Pharmacy - Nahda University.
3. "Blue Print" workshop (6/26/2018) - Faculty of Pharmacy - Nahda University.
4. Workshop "Contents of the course file" (9/2/2018) - Faculty of Pharmacy - Nahda University.
5. Workshop on "ILOS Targeted Learning Outcomes to Describing the Educational Program" (9/9/2018) - Faculty of Pharmacy - Nahda University.
6. Workshop "Matrix of Compatibility between the Learning Outcomes Targeted for the Educational Program and the NARS" (9/15/2018) - Faculty of Pharmacy - Nahda University.
7. Workshop on "Quality Concepts" (3/5/2019) - Faculty of Pharmacy - Nahda University.

8. Workshop on "Strategic Planning, Its Importance and Implementation Steps" (29/1/2021) - Faculty of Pharmacy - Nahda University.
9. Workshop on "Updating Self-Study Standards" (9/5/2021) - Faculty of Pharmacy - Nahda University.
10. Workshop on "Updating Self-Study Standards" (9/11/2021) - Faculty of Pharmacy - Nahda University.
11. "Academic Advising" workshop (9/18/2022) - Faculty of Pharmacy - Nahda University.
12. Course "Description of Programs and Courses in Light of the Introduction to Competencies / Competencies" (9/19/2022 - 9/21/2022) - by the National Authority for Education Quality Assurance and Accreditation.
13. Workshop "How to apply competence based education in pharmacy" (10/18/2022) - Faculty of Pharmacy - Nahda University.

Courses and workshops related to the research and academic field:

1. Workshop "OTC and Prescription Handling" (10/17/2018) - Faculty of Pharmacy - Nahda University.
2. Workshop "Sources of funding research projects and grants" (10/17/2021) - Faculty of Pharmacy - Nahda University.
3. Workshop "Explore Microsoft word tips for smooth and quick academic writing" (3/29/2022) - Faculty of Pharmacy - Nahda University.
4. Workshop on "University Model Driven by Learning and Applications of Excellence" (5/14/2022) - Faculty of Human Medicine - Nahda University.
5. "Radiation Hazards and Safety in Healthcare" workshop (5/24/2022) - The National Research Center in Cairo.
6. "Best Practice Scientific Writing and Publishing" workshop (7/31/2022) - Faculty of Pharmacy - Nahda University.
7. "Scientific Research Initiative" workshop (8/14/2022) - as part of the Free Fundamentals of Scientific Research initiative by Dr. Muhammad Anas Al-Baz.
8. Workshop on "Methodological Procedures for Analyzing Scientific (Investigative) Research Data" (8/15/2022) - The Scientific Association for Applied Studies and Research.
9. Workshop "Model for controlling the accumulation of research information" (8/20/2022) - The Scientific Association for Applied Studies and Research.
10. "Scholar's Compass" workshop (8/25/2022) - a scientific dispatch platform for researchers and academics.
11. "Big Data and its uses in scientific research" workshop (9/1/2022) - a scientific dispatch platform for researchers and academics.
12. "Improving Data Publishing Practices in Research" workshop (9/12/2022) - ELSEVIER Researcher Academy.
13. "How To Prepare Your Manuscript" Workshop (9/12/2022) - ELSEVIER Researcher Academy.

14. "Reaxys empowering synthesis of tumor target agents beyond literature" workshop (9/12/2022) - ELSEVIER Researcher Academy.
15. Workshop "Problem Solving Skills and Decision Making in Scientific Research" (9/15/2022) - The Scientific Association for Applied Studies and Research.
16. "Clinical Nutrition in Critical Illness, Hands on TPN calculation" workshop (from September 10 to 13, 2022) - College of Pharmacy - Derayah University.
17. Workshop "Readings in the Rules and Regulations of the Scientific Committees' Work (Fourteenth Session)" (1/11/2022) - Faculty of Pharmacy - Al-Nahda University.
18. "Bioinformatics and Predictive Modeling in the Realm of Personalized Medicine" workshop (12/20/2022) - Faculty of Pharmacy - Al Nahda University.

Theses under supervision:

- Supervision on master's degree thesis entitled " Study of the possible beneficial impact of some anti-diabetic and anthelmintic drugs on complete Freund's adjuvant induced arthritis in rats", since 18-1-2022 until now.
- Supervision on master's degree thesis entitled " Pharmacological study of the possible effects of selected agents on experimentally-induced rheumatoid arthritis in rats".

Publications:

1. Ali, F. E., Hassanein, E. H., Abd El-Ghafar, O. A., Rashwan, E. K., Saleh, F. M., & Atwa, A. M. (2023). Exploring the cardioprotective effects of canagliflozin against cisplatin-induced cardiotoxicity: Role of iNOS/NF- κ B, Nrf2, and Bax/cytochrome C/Bcl-2 signals. *Journal of Biochemical and Molecular Toxicology*, e23309.
2. Salem, H. F., El-Maboud, A., Mohamed, M., Said, A. S., Salem, M. N., Sabry, D., Abd El-Ghafar, O. A. ... & Hussein, R. R. (2023). Nano Methotrexate versus Methotrexate in Targeting Rheumatoid Arthritis. *Pharmaceuticals*, 16(1), 60.
3. Hassanein, E. H., Sayed, G. A., Alzoughaibi, A. M., Alammari, A. S., Abdel-Wahab, B. A., Abd El-Ghafar, O. A., ... & Mahmoud, A. M. (2022). Azithromycin Mitigates Cisplatin-Induced Lung Oxidative Stress, Inflammation and Necroptosis by Upregulating SIRT1, PPAR γ , and Nrf2/HO-1 Signaling. *Pharmaceuticals*, 16(1), 52.
4. Hassanein, E. H., Ahmed, M. A., Sayed, A. M., Rashwan, E. K., Abd El-Ghafar, O. A., & Mahmoud, A. M. (2021). Edoxaban mitigates hemorrhagic cystitis by modulating Nrf2, TLR-4/NF- κ B, and JAK1/STAT3 signaling in cyclophosphamide-intoxicated rats. *Journal of Biochemical and Molecular Toxicology*, 35(11), e22889.
5. Hassanein, E. H., Saleh, F. M., Ali, F. E., Rashwan, E. K., Atwa, A. M., & Abd El-Ghafar, O. A. (2022). Neuroprotective effect of canagliflozin against cisplatin-induced cerebral cortex injury is mediated by

regulation of HO-1/PPAR- γ , SIRT1/FOXO-3, JNK/AP-1, TLR4/iNOS, and Ang II/Ang 1–7 signals.
Immunopharmacology and Immunotoxicology, 1-13.