

Curriculum Vitae

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Academic degrees

- **PhD** in microbiology and immunology department, December 2023, Faculty of pharmacy, Damanhour University, El Behera, Egypt.
Thesis title: " Study of some potential biomarkers in Egyptian hepatitis C virus patients in relation to liver disease progression".
- **M.Sc.** Master of Pharmaceutical Sciences (Microbiology), January 2016, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt.
Thesis title: " Microbiological study of bacterial resistance to cefepime, a fourth-generation cephalosporin ".
- **B.Sc.** Bachelor of Pharmaceutical Sciences, July 2010, Excellent, Honor, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt.

Professional Experience

- **Mar. 2024 till now:** Lecturer in Microbiology and Immunology Department, Faculty of Pharmacy- Damanhour University.
- **Fep. 2016 to Feb. 2024:** Assistant Lecturer and senior laboratory supervisor, Microbiology and Immunology department, Faculty of Pharmacy, Damanhour University, El Behera, Egypt.
- **Oct. 2011 to Jan. 2016:** Graduate Teaching and Research Associate (Demonstrator), the first two years at Faculty of Pharmacy, Alexandria University and Faculty of Pharmacy, Damanhour University, Egypt. Then I emptied to work at Damanhour University only

Teaching Experiences

- Participate with the department's faculty members in teaching courses in the Department of Microbiology and Immunology like Pharmaceutical Microbiology, Bacteriology, Virology, Biotechnology, Diagnostic microbiology and Public health & Infection control.

- Participate with the department's faculty members in supervising practical classes for courses in the Department of Microbiology and Immunology.
- Participate with the department's faculty members in developing academic materials and developing courses.
- Participate with the department's faculty members in teaching postgraduate courses.
- Acting as a course coordinator, including preparing course specifications, course reports, course files, knowledge and skills matrixes, etc...
- Participate with the department's faculty members in correcting exams for the courses.
- Supervise graduation projects and participating with faculty members in discussing the projects.
- Supervising summer training for students.
- Participate with faculty members in the control activities for under and postgraduates.
- Participate with faculty members in supervising the summer training program.

List of Publications

- Emam, H.A.M., Elbedaiwy, H.M., Habib, D.A. *et al.* Innovative Berberine-Loaded Nanoparticle Vaginal Pessaries for Effective Vulvovaginitis Therapy. *J Pharm Innov* **21**, 433 (2026). <https://doi.org/10.1007/s12247-026-10624-9>.
- Baraka, K., Abozahra, R.R., **Badr, E.** *et al.* Study of some potential biomarkers in Egyptian hepatitis C virus patients in relation to liver disease progression and HCC. *BMC Cancer* **23**, 938 (2023). <https://doi.org/10.1186/s12885-023-11420-1>.
- El-Nakeeb, M. A., Omar, H. M., Abozahra, R., & **Badr, E.** (2016). Comparative Study of Different Methods of Detection of β -lactamase Production in Gram Negative Bacterial Isolates and Studying Induction of Resistance to Cefipime. *Int. J. Curr. Microbiol. App. Sci*, 5(11), 106-120.

Courses and Workshops

- Training courses in “Research Ethics”, “Research Methods”, “Exams and Student Evaluation Systems”, “Quality standards in the teaching process”, “Effective Presentation Skills”, within the frame of the Faculty and Leadership Development Center (FLDC), Damanshour University, El Behera, Egypt.
- Training courses in “Web Publishing using Front Page”, “Statistical Package for the Social Sciences, SPSS”, within the frame of the International Centre for Theoretical Physics (ICTP) 2014, Damanshour University, El Behera, Egypt.
- “Local and international donors for research projects competitiveness” workshop, July 25, 2016, Faculty of Pharmacy, Damanshour University, El Behera, Egypt.
- “E- Learning” workshop, August 1, 2016, Faculty of Pharmacy, Damanshour University, El Behera, Egypt.
- “Security and safety standards in the laboratories” workshop, August 15, 2016, Faculty of Pharmacy, Damanshour University, El Behera, Egypt.

- “Teaching and Learning Strategy” workshop, September 20, 2016, Faculty of Pharmacy, Damanhour University, El Behera, Egypt.
- Training courses in “International Data Base Usage”, “Biostatistical Analysis”, “References Research Management Systems”, “Communication Skills in Different Education Styles”, within the frame of the Faculty and Leadership Development Center (FLDC) 2022, Damanhour University, El Behera, Egypt.
- “How to design and use a rubric model for performance measurement, including practical and theoretical tests” workshop, Oct. 31, 2024, Measurement and Evaluation Center (MEC), Damanhour University, El Behera, Egypt.
- “Preparation of table of specification (Blueprint)” workshop, Nov. 30, 2024, Measurement and Evaluation Center (MEC), Damanhour University, El Behera, Egypt.
- “How to create a test item in question banks using modern techniques ”workshop, Dec. 5, 2024, Measurement and Evaluation Center (MEC), Damanhour University, El Behera, Egypt.
- “Electronic tests ”workshop, Dec. 7, 2024, Measurement and Evaluation Center (MEC), Damanhour University, El Behera, Egypt.
- "The Use of Artificial Intelligence in Scientific Research" workshop, May.14, 2026, Faculty of Pharmacy, Damanhour University, El Behera, Egypt.
- “Interprofessional Pharmacy Practice for Safe Drug Use & Patient Well Being" Conference held on April 18, 2026, at Pharos University in Alexandria, Egypt.

Skills

- Foreign languages: English (excellent, IELTS).
- Fundamentals of digital transformation (Word, Excel, Power Point, Information Technology, Fundamentals of Data Bases, Access and Mobile Applications), August 15, 2022, Center of Knowledge and E-Services, Damanhour University, El Behera, Egypt.

Committee Memberships /activities

- عضو في لجنة شئون البيئة و خدمة المجتمع كلية الصيدلة - جامعة دمنهور منذ ٢٠٢٤ وحتى الان
- عضو و منسق كلية الصيدلة في وحدة مناهضة العنف ضد المرأة- جامعة دمنهور ٢٠٢٥
- عضو في لجنة الإشراف علي المعامل البحثية كلية الصيدلة -جامعة دمنهور ٢٠٢٤
- عضو سابق في تشكيل وحدة ضمان الجودة بكلية الصيدلة (وقت الاعتماد) وحاليا رئيس معيار التدريس و التعلم بالكلية وعضو لجنة إعداد الدراسة الذاتية ٢٠٢٥
- عضو لجنة مراجعة ملفات المقررات -كلية الصيدلة -جامعة دمنهور
- نائب مدير لجنة المنصة التعليمية التابعة لوحدة تكنولوجيا المعلومات -كلية الصيدلة – جامعة دمنهور ٢٠٢٥
- منسق كلية الصيدلة للإدراج بالسجل الوطني للمؤهلات المصرية – جامعة دمنهور ٢٠٢٦