

NOURAN MAHMOUD SALAH

Researcher in Microbiology, Clinical Pharmacist

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SUMMARY

Experienced Clinical Pharmacist with a strong academic and research background, specializing in teaching practical laboratory courses within the Faculty of Pharmacy. Skilled in guiding students through hands-on lab experiences and supporting their academic development. Published multiple scientific research papers in international peer-reviewed journals, demonstrating a commitment to advancing pharmaceutical knowledge. Proficient in biostatistics and experienced in using statistical software to conduct and interpret biostatistical analyses for clinical and academic research. Combines clinical expertise with a passion for education and research to contribute effectively to both healthcare and academic environments.

EXPERIENCE

Pharmacist

Nov 2019 - current

Microbiology and Immunology Department, Faculty of Pharmacy, Menofia University

- Published three international research in the field of nanotechnology, genetics and antibiotic resistance, the first was in BioMed Research International Journal, 2022 in which I was the first author. The second research was in International Journal of Polymer Science, 2023 and the third was in Molecular Biology Reports, 2025.
- A team member in a project collaboration between Egypt and Saudi Arabia in 2023. This project was in the field of nanotechnology and in-vivo applications of this technology. My role was synthesis and characterization of nanoparticles used in the project.
- Teaching students how to practice the teamwork in the laboratory and perform experiments accurately and on time.
- Supervise the projects submitted by students annually in the field of microbiology.
- Supervisor of an awareness campaign for school students and families about the incorrect methods of using antibiotics that lead to increasing bacterial resistance and reducing the effectiveness of antibiotics
- Reviewed, edited and evaluated animation videos created by students, with narration about parasitic and viral infections, their symptoms, how to treat them, and ways to reduce their spread in society
- Participated in the second international conference of Faculty of Pharmacy, Menofia University by submitting abstract in addition of being speaker in the conference.
- Participated in the international conference of Faculty of Pharmacy, Suez Canal University by submitting abstract and poster.
- Attended training courses in biostatistics and how to use the SPSS program to conduct statistics for various types of studies.

Clinical Pharmacist

Nov 2017 – Nov 2019

Shebin Hospital of Fevers, GI and Hepatic Diseases, Shebin Alkom, Menofia, Egypt

- Developed strong relationships with healthcare providers, facilitating communication and collaboration for better patient care coordination.
- Evaluated medication regimens for complex patients, identifying potential drug interactions and devising alternative treatment strategies when necessary.

- Improved patient outcomes by providing medication therapy management and comprehensive pharmaceutical care to diverse patient populations.
 - Collaborated with interdisciplinary healthcare teams for optimal patient care and improved treatment outcomes.
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EDUCATION

Doctor of Philosophy (PhD) in Microbiology and Immunology

Faculty of Pharmacy, Suez Canal University - Ismailia, Egypt

- Completed University-level Coursework
- Working on the practical part of. PhD protocol.
- Practical skills acquired from PhD: Isolation of bacteria from marine sponges, Genomic DNA extraction from marine sponge and marine bacteria, Preparation of bacterial metabolic extract and using bioinformatics programs in metagenomic and metaproteomic analysis.

Masters in Microbial Biotechnology (Microbial Genetics)

SEP - 2022

Genetic Engineering and Biotechnology Institute, Sadat City University - Sadat City, Egypt

- Practical skills acquired from master: PCR technique, genomic DNA extraction, gel electrophoresis, biological synthesis and characterization of nanoparticles.

Doctor of Pharmacy (PharmD)

JUL - 2020

Faculty of Pharmacy, Tanta University – Tanta, Egypt

- GPA 3.73 (A)

Bachelor's in clinical pharmacy

MAY - 2016

Faculty of Pharmacy, Tanta University – Tanta, Egypt

- GPA 3.73 (A)
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ACCOMPLISHMENTS

- Attended training courses in biostatistics and how to use the SPSS program to conduct statistics for various types of studies, and I obtained accredited certificates in this field.
 - Reviewed an article to be published in Journal of Nursing Management and made a decision on publication of the article (certificate received).
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SKILLS

Academic skills:

- Curriculum implementation
- Motivating students
- Classroom management
- Lesson planning
- Public speaking
- Team building

- Testing and grading
- Student evaluation
- Electronic book design
- Online sessions development
- Online tests development

Research skills:

- Writing scientific research
- Reviewing scientific research
- Biostatistical analysis
- Working on all microsoft programs
- Using bioinformatics software

Pharmacy skills:

- Interpreting orders
- OTC recommendations
- Pharmaceutical calculations
- Interpreting and processing medication orders
- Patient education and counseling
- Adverse drug reaction monitoring
- Clinical documentation
- Drug utilization review
- Pharmaceutical care planning
- Therapeutic drug monitoring
- Drug information expertise
- Drug interaction analysis
- Teamwork
- Sales skills

LANGUAGES

- Arabic (Native)
- English (Professional working)

AFFILIATIONS

Microbiology and Immunology Department, Faculty of Pharmacy, Menofia University, Shebin Alkom, Egypt