

Moataz yaser mohammad

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📍 Cairo, Egypt

🌐 Moataz yaser

📅 2001/01/22

🛡 Completed one year of mandatory military service

🔗 MotazYaser

Profile

Biotechnology graduate passionate about ensuring **pharmaceutical quality systems, GMP compliance, and ISO standards (9001 & 14001)**. Hands-on experience in **SOP development, audit readiness, documentation management, and Data analysis** coupled with rigorous training in **molecular biology, and biochemical analysis**. Committed to ensuring product safety, regulatory adherence, and continuous improvement in pharmaceutical manufacturing to drive ethical and innovative healthcare solutions.

Education

Bachelor of biotechnology

Helwan university

3.61 GPA

Projects

Drug discovery method using hypothetical structures via machine learning and docking-based virtual screening (Discussed graduation project for the 1st semester)

(QSAR)

I used machine learning and docking-based virtual screening to make an application that filters the best hypothetical inhibitor structure which is targeted to a specific protein (in the project's case the targeted protein was the cancer kinase 2)

Enviromental startup aiming to prevent post-harvest loss by producing sustainable eco-friendly edible coating for fruits and vegetables to extend their shelf life. (Cuti-coat) [🔗](#)

A project that aims to manufacture an eco-friendly edible coating that has main properties like acting as a moisture barrier, has antimicrobial properties and other features tailored for each fruit to extend their shelf life to increase food availability and hence increase profit.

Liposomal Beta carotene effect in wound healing

- Beta carotene encapsulated in liposomes was tested on wounded rat groups which showed significance in healing rate and antimicrobial activity in contaminated wounds.
- Conducted laboratory analysis on wound healing efficacy, applying biochemical techniques to evaluate antimicrobial activity and healing rates.

Publications

2024/07/12

Leek (*Allium ampeloprasum* var. *kurrat*) aqueous extract loaded on selenium nanoparticles protects against testis and brain injury induced by mercuric chloride in rats [🔗](#)

Journal of the Science of Food and Agriculture (JSFA)

Discussed graduation project for the 2nd semester

Professional Experience

2024/12 – 2025/02

Biotech marketing specialist (Internship)

Cairo, Egypt

Sekuen [🔗](#)

2024/03 – 2024/12

Quality assurance specialist

Cairo, Egypt

Egyptian air force (military service)

Certificates

Data science Diploma (EpsilonAI)

Python, SQL, Machine learning, App deployment

Data analysis (EpsilonAI)

Excel, DAX, PowerBI

Skills

Programming skills

Python, R language, Bash, SQL, Deep learning

Bioinformatics

Nextflow, biopython, scikit, Molecular docking (by Schrodinger), Bioconductor

Research & Laboratory skills

- Biochemistry, Microbial & Molecular techniques (PCR - ELISA - Cell culture)
- Specimen & animal model handling
- Scientific research analysis and genomic data analysis


Languages

- Arabic
- English

Courses

2025/03	Google data analytics <i>Coursera</i>	Data analysis
2025/01	BGICC Breast, Gynecological & Immunooncology International Cancer Confrrence	Cancer
2024/08	Prompt Engineering+: Master Speaking To AI <i>Udemy</i>	
2024/05	Bioinformatics for Biologists: Analyzing and Interpreting Genomics Datasets (RNA-nalysis) <i>FutureLearn</i>	Bioinformatics
2024/04	Awareness course in quality assurance <i>Egyptian air Forces, Aviation Engineers Division</i>	QA/QC
2023/07	Biochemistry laboratory techniques <i>NRC (national research center)</i>	Biochemistry
2022/10	Pharmacogenomics at the heart of personalized medicine (Oncology) <i>German university in cairo (GUC)</i>	Biotechnology
2022/04	Basic & advanced molecular biology techniques in medical applications (Cancer) <i>Creative Egyptian Biotechnologists laboratories (CEB)</i>	Biotechnology
2021/10	COVID-19 silver NPS based hand sanitizer gel <i>Helwan University</i>	Nanotechnology
2021/09	Total Quality management and its applications in pharmaceutical industries <i>Zewail city</i>	QA/QC
2021/09	Medical laboratory science <i>Creative Egyptian Biotechnologists laboratories (CEB)</i>	Biochemistry

Awards

2024/06	AgriTech4Egypt innovation challenge (Cuti-Coat)  <i>CGIAR, The Academy of Scientific Research & Technology (ASRT), SEKEM</i> AgriTech4Egypt Innovation Challenge: Recognized for developing sustainable solutions aligned with quality and environmental standards
2023/10	Top 10 projects in Arab Youth Hakathon (AYH) <i>Arab Youth Center, PepsiCo Foundation , Plug and Play Tech Center</i>