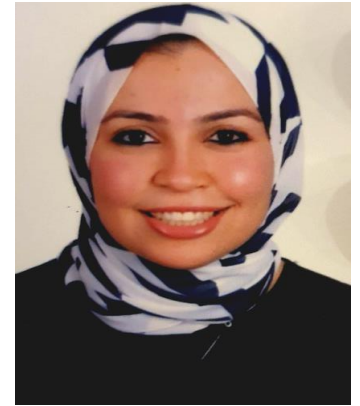


NORA MOHAMED AHMED ELKENAWY



OBJECTIVE

Seeking a challenging opportunity in my career where I can fulfil my passion for teaching, share my knowledge with students, gain more experience in the education field and excel in the research field.

PERSONAL DETAILS

- ◆ Date of birth: 21/6/1985
- ◆ Nationality: Egyptian
- ◆ Address: 14 Mahmoud Abu El Oyoum St. Heliopolis, Cairo, Egypt.
- ◆ Mobile number: +201223560870
- ◆ Home number: +20226324363
- ◆ Email address: nelkenawy@gmail.com
- ◆ Google Scholar account:
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- ◆ Linked in account:
<https://www.linkedin.com/in/nora-elkenawy-753813188/>

EDUCATION

- ◆ PhD in Microbiology and Immunology from the Faculty of Pharmacy Cairo University with the title of thesis "Production of Prodigiosin from *Serratia marcescens* and Investigation of Potential Applications" (2017).
- ◆ Fulfilled the Master's Degree in Microbiology and Immunology from the Faculty of Pharmacy Cairo University with the title of thesis "Studies on Possible Activation of Microbial Laccase Production Using Gamma Irradiation" (2014).
- ◆ Graduated from the Faculty of Pharmacy Cairo University (2008).
- ◆ Graduated from Mrs. Woodley Language School (2003).

WORK EXPERIENCE

- ◆ Lecturer in the Microbiology laboratory in the Drug Radiation Research Department, National Centre of Radiation Research Technology (NCRRT), Egyptian Atomic Energy Authority (2018- till now).
- ◆ Lecturer of Microbiology in the Faculty of Pharmacy at the Modern University for Technology & Information (MTI) (2018-2019).
- ◆ Assistant lecturer in the Microbiology laboratory in the Drug Radiation Research Department, National Centre of Radiation Research Technology (NCRRT), Egyptian Atomic Energy Authority (June 2015- 2017).

- ◆ A researcher in the Microbiology laboratory in the Drug Radiation Research Department, National Centre of Radiation Research Technology (NCRRT), Egyptian Atomic Energy Authority (February 2010- June 2015).

PUBLICATIONS

- ◆ Valorization of Frying Oil Waste for Biodetergent Production Using *Serratia marcescens* N2 and Gamma Irradiation Assisted Biorecovery” Nora M. Elkenawy & Ola M. Gomaa Microbial Cell Factories volume 21, Article number: 151 (2022)
<https://microbialcellfactories.biomedcentral.com/articles/10.1186/s12934-022-01877-3>
- ◆ “Development of Gamma Irradiated SSD-Embedded Hydrogel Dyed with Prodigiosin as a Smart Wound Dressing: Evaluation in A MDR Infected Burn Rat Model” Nora M. Elkenawy, Heba M. Karam, Dina S. Aboul-Magd
<https://www.sciencedirect.com/science/article/abs/pii/S0141813022010339>
- ◆ "Draft genome sequence of a prodigiosin-hyperproducing *Serratia marcescens* strain isolated from Cairo, Egypt "Nora M. Elkenawy, Noha H. Youssef, Ramy K. Aziz, Magdy A. Amin, and Aymen S. Yassin
<https://academic.oup.com/g3journal/advance-article/doi/10.1093/g3journal/jkab284/6343459>
- ◆ "Green synthesis of novel antifungal 1,2,4-triazoles effective against γ -irradiated *Candida parapsilosis*" Reham M. El-Hazek, Nora M. Elkenawy, Nashwa H. Zaher, Marwa G. El-Gazzar
<https://onlinelibrary.wiley.com/doi/10.1002/ardp.202100287>
- ◆ “Gamma radiation-assisted fabrication of bioactive-coated thyme nanoemulsion: A novel approach to improve stability, antimicrobial and antibiofilm efficacy” Noha M Deghiedy, Nora M Elkenawy, Hassan A Abd El-Rehim
<https://doi.org/10.1016/j.jfoodeng.2021.110600>
<https://www.sciencedirect.com/science/article/abs/pii/S0260877421001254>
- ◆ “Optimization of prodigiosin production by *Serratia marcescens* using crude glycerol and enhancing production using gamma radiation” Nora M. Elkenawy, Aymen S. Yassin, Hala N. Elhifnawy, Magdy A. Amin
<https://dx.doi.org/10.1016/j.btre.2017.04.001>
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC5412256>
- ◆ “Laccase Production by *Pleurotus ostreatus* and its Application in Synthesis of Gold Nanoparticles Using Gamma Radiation” Ahmed I. El-Batal, Nora M. ElKenawy, Aymen S. Yassin , Magdy A. Amin

<http://dx.doi.org/10.1016/j.btre.2014.11.001>

<https://scholar.google.com/eg/citations?user=VvIziWsAAAAJ&hl=en>

- ◆ Poster presentation and abstract titled “Prodigiosin production from *Serratia marcescens* using crude glycerol obtained from local biodiesel production facility” in the 7th International Scientific Conference of Faculty of Pharmacy, Cairo University "Translational Research in Pharmacy: From Bench to Market" (April, 2016).
- ◆ Poster presentation and abstract titled “Production, Characterization and Industrial Application of Laccase Enzyme from *Pleurotus ostreatus* ” in the 4th International Scientific Conference of Faculty of Pharmacy, Cairo University "Pharmacy Education and Community Expectations" (April, 2013).

TEACHING COURSES

- ◆ Biotechnology Year 4 Faculty of Pharmacy in the Modern University for Technology & Information.
- ◆ Applied Genetic Engineering Year 5 Faculty of Pharmacy in the Modern University for Technology & Information

WORKSHOPS AND CONFERENCES

- ◆ December 2019: Advanced Metagenomics Workshop, Faculty of Pharmacy, Cairo University
- ◆ September 2019: Microbial Electron Transfer for waste water treatment: innovative approaches and applications" conference in Hilton Hotel and Towers, Heliopolis Cairo-Egypt
- ◆ March 2018: BUE International Nanotechnology Summit 2018.
- ◆ February 2018: Managing Innovation in Academia DAAD Egypt.
- ◆ February 2017: Scientific conference “Ionizing Radiation and Cancer in Dermatology”.
- ◆ May 2016: Workshop by the title “Proposal Writing” in the researcher development unit (RDU) in the NCRRT.
- ◆ April 2016: The 7th International Scientific Conference of Faculty of Pharmacy, Cairo University "Translational Research in Pharmacy: From Bench to Market".
- ◆ April 2013: The 4th International Scientific Conference of Faculty of Pharmacy, Cairo University "Pharmacy Education and Community Expectations".
- ◆ November 2010: Workshop by the title “New Trends in Biotechnology” that was held in the Faculty of Pharmacy Cairo University.

COURSES AND SKILLS

- ◆ May 2017: Statistics Basics (level I) course - ESDAN Biostatistics.
- ◆ March 2017: International Computer Drivers Licence (ICDL).
- ◆ June 2013: Protection from Ionizing Radiations Course - National Centre of Radiation Research Technology (NCRRT).

MEMBERSHIPS

- ◆ Cofounding member of “Women in Nuclear Egypt” society subdivided from “Women in Nuclear” “WIN” of the International Atomic Energy Agency (IAEA) <http://www.win-global.org/>

CURRENT RESEARCH

- ◆ Working on the whole genome sequencing of *Serratia marcescens* N2.

FUTURE RESEARCH INTERESTS

- ◆ Type II secretory proteins in *Serratia marcescens*.
- ◆ Biodiesel production using different microbes.
- ◆ Microbial metabolites application in environmental bioremediation and biodegradation using agricultural wastes e.g rice husk.
- ◆ Comparative genomics of various strains using comparative bioinformatics.

REFERENCES

- ◆ Prof. Dr. Aiman El Khatib (Professor of Pharmacology and Toxicology, Faculty of Pharmacy, Cairo University, vice president of Egyptian Drug Authority).
- ◆ Prof. Dr. Ramy Karam Aziz (Professor of Microbiology and Immunology Department, Faculty of Pharmacy Cairo University and Head of Microbiology and Immunology Research program at Children’s Cancer Hospital 57357).
- ◆ Prof. Dr. Aymen Samir Yassin (Professor and Chair of Microbiology and Immunology, Faculty of Pharmacy Cairo University).