

Dr. NELLY MOSTAFA ABDEL-MONEIM MOHAMED



Job Title: Associate Professor at Microbiology and Immunology Department

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Personal information

Professional experience

Birth Date 30-5-1973

Nationality Egyptian/ Russian

Languages

- Russian (fluent)
- English (fluent)
- French (fluent)
- Arabic (fluent)
- Spanish (fair)

Qualifications

- 1- **Ph.D., Pharmaceutical Microbiology**, May 2004, Department of Pharmaceutical Microbiology, Faculty of Pharmacy, Alexandria University. Thesis entitled: "A study of the extended-spectrum- β -lactamases, produced by *Enterobacteriaceae* versus different cephalosporins".
- 2- **M.Sc., Pharmaceutical Microbiology**, January 2000, Department of Pharmaceutical Microbiology, Faculty of Pharmacy Alexandria University. Thesis entitled: "Potentiation of preservative efficiency in ophthalmic preparations".
- 3- **B.Sc., Pharmaceutical Sciences**, June 1996 (Valedictorian; Distinction with Honor), Faculty of Pharmacy, Alexandria University

Honors and Awards

- Honor upon graduation from Alexandria University, Egypt
- Honor upon obtaining master's degree from the Syndicate of Pharmacists, Alexandria, Egypt and from October 6th University, Cairo, Egypt
- Honor upon obtaining Doctorate Degree from the Syndicate of Pharmacists, Alexandria, Egypt
- Honor for the best active member of Community Service Affairs and Environmental Development Committee
- Award for 3rd best professional poster at Dubai international pharmaceuticals & technologies conference & exhibition DPHAT 2019
- Award for 2nd best professional poster at Dubai international pharmaceuticals & technologies conference & exhibition DPHAT 2020

- 2017- current
- Delivering lectures in Pathology and Parasitology for undergraduate students
 - Supervision of practical Public Health & Parasitology and Environmental Sciences for third academic year students
 - Teaching experience at Postgraduate levels delivering the following course: “Advanced Pharmaceutical Microbiology”
 - Delivering lectures in Pathology for Clinical Pharmacy Program Semester 7
 - Delivering lectures in Parasitology for Clinical Pharmacy Program Semester 4
- 2008 - 2011
- Delivering lectures in Pharmaceutical Microbiology, for undergraduate students
 - Supervision of practical Pharmaceutical Microbiology for second academic year students
 - Teaching experience at Postgraduate levels delivering the following courses:
 - Microbiological Quality Control of Pharmaceutical products
 - Advanced Pharmaceutical Microbiology
 - Advanced General Microbiology
 - Participating in teaching diploma in Pharmaceutical Microbiology
 - Participating in the preparation of Program Specification, Intended Learning Outcomes (ILOs), Academic Reference Standards and Course specifications for Pharmaceutical Microbiology Master and PhD Programs conducted in Faculty of Pharmacy, Alexandria University
 - Participating in student assessment through written, practical and oral exams in “Pharmaceutical Microbiology” and “Public Health and Parasitology”, Faculty of Pharmacy, Alexandria University
 - External oral examiner for undergraduate pharmacy students in some Egyptian universities.
- 2021-2022 Microbiology Consultant at El-Borg Pharmaceutical Company
- 2020 Associate Professor of Microbiology and Immunology, Faculty of Pharmacy, Alexandria University
- 2004 – 2020 Assistant Professor of Microbiology and Immunology, Faculty of Pharmacy, Alexandria University
- 2000 – 2004 Assistant Lecturer, Pharmaceutical Microbiology Department, Faculty of Pharmacy, Alexandria University
- 1966 – 2000 Demonstrator, Pharmaceutical Microbiology Department, Faculty of Pharmacy, Alexandria University

Academic Supervision

- M.Sc. Thesis: “Detection of tyramine produced from different bacteria in some dairy products”. Student: Omnia Morsy Mahmoud - Medical Biotechnology Department, Institute of Genetic Engineering, City of Scientific Research and Technological Applications.
- M.Sc. Thesis: “Evaluation of the anti-quorum sensing activity of some selected compounds against uropathogenic *E. coli* clinical isolates”. Student: Hadeer Aly Morgaan – Microbiology and Immunology Department, Faculty of Pharmacy, Alexandria University.
- M.Sc. Thesis: “Phenotypic and genotypic characterization of carbapenem resistant *Klebsiella pneumoniae* clinical isolates”. Student: Ghada Fahmy Mahmoud Hussein– Microbiology and Immunology Department, Faculty of Pharmacy, Alexandria University.
- M.Sc. Thesis: “Molecular study on cloning selected *Acinetobacter baumannii* antigens and their investigation as potential vaccine candidates”. Student: Salma Mohamed Saleh - Microbiology and Immunology Department, Faculty of Pharmacy, Alexandria University.
- M.Sc. Thesis: “Study of colistin-acquired resistance in *Klebsiella pneumoniae* isolated from intensive care unit patients in Alexandria”. Student: Eriny Tadros Nassif - Microbiology and Immunology Department, Faculty of Pharmacy, Alexandria University.
- M.Sc. Thesis: “Study of the mechanisms of fluconazole resistance in urinary *Candida* species isolated from hospitalized patients in Alexandria, Egypt”. Student: Rawan Ahmed Mohamed Salem - Microbiology and Immunology Department, Faculty of Pharmacy, Alexandria University.

Professional Training Courses and Workshops

July, 1995	Training at the Quality Assurance Department of Pharco Pharmaceuticals, Alexandria, Egypt
November, 2001	International TOEFL certificate scored 270 (computer based)
November, 2001	“Preparation of a staff member in the university”, Faculty of Education, Alexandria University, Egypt
July14-18 th , 2002	Intensive course on Polymerase Chain Reaction (PCR): Methods And Applications at the Institute of Graduate Studies and Research, Alexandria University, Egypt

July, 2003 International Computer Driving License (ICDL) from the UNESCO Cairo Office in:
1-Basic Concepts of Information Technology
2-Using the Computer and Managing Files
3-Word Processing
4-Spreadsheets
5-Database
6-Presentation
7-Information and Communication

FLDC workshops attended:

November, 2009 “International Publishing of Scientific Research” Faculty and leadership development project, Alexandria, Egypt

November, 2009 “Legal and Financial Aspects” Faculty and leadership development project, Alexandria, Egypt

October, 2010 “Exams and Students Evaluation Systems” Faculty and leadership development project, Alexandria, Egypt

April, 2020 “Funded Research Implementation and Research Team Management” Faculty and leadership development project, Alexandria, Egypt

April, 2020 “Flipped Classroom” Faculty and leadership development project, Alexandria, Egypt

April, 2020 “Design and Production of Digital content” Faculty and leadership development project, Alexandria, Egypt

March, 2013 Pharmaceutical workshop on “Role of hospital and community pharmacists to control antimicrobial resistance” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2013

March, 2013 Pharmaceutical workshop on “Conducting ethical pharmacy practice research” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2013

March, 2013 Pharmaceutical workshop on “The challenges of a program accreditation: an experience from College of Pharmacy, King Saud University, Riyadh, Saudi Arabia” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2013

March, 2013 Pharmaceutical workshop on “Starting a research program at your clinical practice site” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2013

March, 2013 Pharmaceutical workshop on “Pre-and peri-operative medication management of the surgical patient” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2013

- March, 2013 Pharmaceutical workshop on “Assessing outcomes of pharmacy education relevant to pharmacy practice” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2013
- March, 2014 Pharmaceutical workshop on “Clinical competency assessment: the use of a clinical development tool” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2014
- March, 2014 Pharmaceutical workshop on “Design your surveys in health care: from idea to valid results for publication” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2014
- March, 2014 Pharmaceutical workshop on “Antimicrobial stewardship: why and how” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2014
- March, 2014 Pharmaceutical workshop on “Halal medications: role of pharmacists” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2014
- March, 2015 Pharmaceutical workshop on “Precepting-skills, working with students and characteristics of a good preceptor” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2015
- March, 2015 Pharmaceutical workshop on “Three major tools for building leadership ability” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2015
- March, 2016 Pharmaceutical workshop on “How to write a research report” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2016
- March, 2016 Pharmaceutical workshop on “Incorporating students into the pharmacy practice model” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2016
- March, 2016 Pharmaceutical workshop on “Postgraduate education and training opportunities in Pharmacy” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2016
- March, 2016 Pharmaceutical workshop on “Achieving excellence in Pharmacovigilance key techniques and functions” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2016
- March, 2016 Pharmaceutical workshop on “How to measure competencies in our students” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2016

March, 2016	Pharmaceutical workshop on “Pharmacy education in Gulf Region: Forecasting the pharmacy practice needs” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2016
April, 2018	“Strategic planning” workshop, Quality Assurance Department, Alexandria University
July, 2018	“CellPress journals awareness” workshop, Faculty of Pharmacy, Alexandria University
July, 2018	“Assessment: The real driver for competency-based education in Pharmacy” workshop, Faculty of Pharmacy, Alexandria University
February, 2019	Pharmaceutical workshop on “Pharmacogenomics and personalized medicine: the future is here” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2019
February, 2019	Pharmaceutical workshop on “Essential framework for pharmacist-patient communication: improving patient outcomes” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2019
February, 2019	Pharmaceutical workshop on “I want this job: evaluating your interview skills” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2019
February, 2019	Pharmaceutical workshop on “Pharmacy leadership-implementing change” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2019
February, 2020	Pharmaceutical workshop on “Assuring quality in pharmacy education” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2020
February, 2020	Pharmaceutical workshop on “Utilizing professional staff development plans to advance practice and meet accreditation standards” at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2020
June 6 th – 29 th , 2020	Online training: Digital transformation Leaders, “Moodle learning Management”, Alexandria University
January 26 th 2021	Online workshop: "الدراسة الذاتية للاعتماد المؤسسي" Alexandria University
May 21 st -22 nd , 2021	Online “Best Practice Scientific Writing Workshop”, from the American Society for Microbiology

Professional Development

- Invited speaker at the 5th Annual Scientific Conference of Faculty of Pharmacy, 2017. **Talk entitled:** “An overview on combating medicinal products counterfeiting”.

- Speaker at the 6th Annual Scientific Departmental Conference, Department of Microbiology and Immunology, 2018. **Talk entitled:** Autism/vaccine controversy is it true?
- Invited speaker and Poster presenter at Dubai International Pharmaceuticals & Technologies Conference & Exhibition DUPHAT 2019. **Talk entitled:** “*In vitro* and *in vivo* activity of zabofloxacin and older fluoroquinolones against MRSA isolates from Alexandria Main University Hospital, Egypt”. (Publication No. 6)
- Co-author Poster presenter at International Conference on Pharmaceutical & Healthcare Sciences 2019. (Publication No. 7)
- Poster presenter at Dubai International Pharmaceuticals & Technologies Conference & Exhibition DUPHAT 2020. (Publication No. 9)
- Moderator of “Artificial Intelligence in Healthcare PHS 2021” Webinar, 2021.

Organizing workshops & Events

- Organizing and implementing a training practical course in the laboratory of the Science Park, Faculty of Pharmacy, Alexandria University, in 2004. This course included: Plasmid isolation, PCR: Basics and Applications and Electrophoretic Techniques
- Member in the Organizing Committee of the Faculty of Pharmacy Annual Conference 27th - 28th November 2017
- Main organizer of an event for the Community Service Affairs and Environmental Development Committee entitled “International Women’s day Event” on 8th March 2018
- Main organizer of the “Job Fair 2018” held by students of Egyptian Pharmaceutical Students’ Federation (EPSF – Alex) – Academic supervisor of EPSF from 2017 - 2019
- Main organizer of an event for the Community Service Affairs and Environmental Development Committee entitled “You are Stronger than Addiction” on 15th November 2018
- Member of the Organizing Committee for the Annual Departmental Conference 2017-2018
- Member in the Organizing Committee for the International Pharmacy Conference PHS 2019
- Main organizer of an event for the Community Service Affairs and Environmental Development Committee entitled “International Women’s day Event” on 8th March 2019
- Member of the organizing committee of an event for the Community Service Affairs and Environmental Development Committee entitled “Palliative Care Medicine” on 19th February 2020
- Main organizer of an event for the Community Service Affairs and Environmental Development Committee entitled “International Women’s day Event” on 9th March 2020
- Member in the Organizing Committee for the International Pharmacy Conference PHS 2020

- Member of the evaluation committee of APSU Pharmacy Talking Science Event 2021.

Attended Conferences

February 6 th –7 th , 2002	Oman Congress of Hospital Infection - Muscat, Sultanate of Oman
April 3 rd – 6 th , 2004	Biovision Alexandria 2004 Conference: The New Life Sciences: Ethics, Patents and the Poor- Bibliotheca Alexandrina, Alexandria, Egypt
December 6 th – 8 th , 2005	Advances in Laboratory Medicine Conference, Muscat, Sultanate of Oman
April 5 th – 6 th , 2006	First Annual Pharmacy Students Conference in Oman Medical College, Muscat, Sultanate of Oman
April 11 th – 15 th , 2010	Biovision Alexandria 2010 Conference: The New Life Sciences: Future Prospects. Bibliotheca Alexandrina, Alexandria, Egypt
April 26 th – 29 th , 2012	3 rd Anti-Infectives Symposium, Beirut, Lebanon
September 20 th – 21 st , 2012	Congress of the Alexandria Society of Allergy and the Egyptian Society of Allergy, Alexandria, Egypt
March 10 th -12 th , 2013	Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2013, Dubai, UAE
March 10 th -12 th , 2014	Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2014, Dubai, UAE
March 8 th - 10 th , 2015	Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2015, Dubai, UAE
March 15 th - 17 th , 2016	Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2016, Dubai, UAE
May 1 st – 2 nd , 2017	Second Emirates International Conference on combating medicinal products counterfeiting, Dubai, UAE
May 8 th , 2018	Third International Conference “Towards Best Pharmacy Practices, Enhancing Pharmacy Education”, Beirut Arab University, Beirut, Lebanon
May 8 th , 2018	Third Forum on Advancing Pharmacy Education in the Middle East and the Gulf Region, Beirut, Lebanon
February 26 th -28 th , 2019	Oral & Professional Poster presenter at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2019, Dubai, UAE (Publication No. 6)

November 6 th -7 th , 2019	International Conference on Pharmaceutical & Healthcare Sciences 2019, Alexandria, Egypt (Publication No. 7)
February 25 th -27 th , 2020	Poster presenter at Dubai international pharmaceuticals & technologies conference & exhibition DUPHAT 2020, Dubai, UAE (Publication No. 9)
November 28 th – 29 th , 2020	PHS 2020 Webinar, “Personalized medicine: A challenging Healthcare model for human wellness”
September 7 th , 2021	Jove Webinar, Jove: Bringing text to life, Alexandria University

List of Publications

1. Aggag ME, Fawzi MA, El-Guink NM, and **Mohamed NM**. (2001): Effect of carbopol on the antimicrobial activity of some preservatives in eye drop preparations. *Alex. J. Pharm. Sci.*, 15 (1): 59-64.
2. Aggag ME, Fawzy MA, El-Guink NM, Saeed HM and **Mohamed NM**. (2008): *In vitro* bactericidal activity of cefepime combined with ciprofloxacin, imipenem, tobramycin and amikacin against extended spectrum-beta-lactamase and non-extended spectrum-beta-lactamase- producing organisms. *N. Egypt. J. Microbiol.*, 18: 150-180.
3. **Mohamed NM** and El-Nakeeb MA. (2010): A set of multiple phenotypic tests for the detection of metallo-beta-lactamases in multiresistant Gram-negative clinical isolates. *N. Egypt. J. Microbiol.*, 25: 98-112.
4. **Mohamed NM** and Youssef AA. (2011): *In vitro* activity of tigecycline and comparators against Gram-negative bacteria isolated from a tertiary hospital in Alexandria, Egypt. *Microb. Drug Resist.* 17(4): 489-495.
5. **Mohamed NM** and Raafat D. (2011): Phenotypic and genotypic detection of metallo-beta-lactamases in imipenem-resistant *Acinetobacter baumannii* isolated from a tertiary hospital in Alexandria, Egypt. *Res. J. Microbiol.*, 6(10): 750-760.
6. **Mohamed NM**, Zakaria AS, Edward EA and Abdel-Bary A. (2019). *In vitro* and *in vivo* activity of zabofloxacin and other fluoroquinolones against MRSA isolates from a University Hospital in Egypt. *Pol. J. Microbiol.*, 68(1): 59-69.
7. Zakaria AS, Edward EA and **Mohamed NM**. (2019). Evaluation of ciclopirox as a virulence-modifying agent against multidrug resistant *Pseudomonas aeruginosa* clinical isolates from Egypt. *Microbiol. Biotechnol. Lett.*, 47(4): 651-661.
8. Edward EA, **Mohamed NM** and Zakaria AS. (2020). Resensitization of fluconazole-resistant urinary *Candida* spp. isolates by amikacin through downregulation of efflux pump genes. *Pol. J. Microbiol.*, 69(1): 73-84.

9. **Mohamed NM**, Zakaria AS and Edward EA. (2020). Antifungal caspofungin sensitizes MRSA isolates towards zabofloxacin, a proteomic study. *J. Pure Appl. Microbiol.*, 14(1): 59-69.
10. Shalaby MA, Kassem MA, Mahmoud OM and **Mohamed NM**. (2020). Anti-tyramine potential of *Lactobacillus rhamnosus* (LGG®) in cheese samples collected from Alexandria, Egypt. *Food Biotech.*, 34(3): 243-261.
11. Morsy O, Kassem MA, Abd El-Wahab AE and **Mohamed NM**. (2020). Isolation and molecular identification of a novel tyramine-producing bacterium, *Rummeliibacillus pycnus*. *Int. J. Microbiol. Biotech.*, 5(4): 184-192.
12. Zakaria AS, Edward EA and **Mohamed NM**. (2021). Genomic Insights into a Colistin-Resistant Uropathogenic *Escherichia coli* Strain of O23: H4-ST641Lineage Harboring *mcr-1.1* on a Conjugative IncHI2 Plasmid from Egypt. *Microorganisms*, 9: 799.

Membership of Committees and Societies

- Member of the Organizing Committee for the 2nd International Conference and Exhibition on Pharmaceutical & Healthcare Sciences PHS 2020, 18 – 19th November 2020
- Member of Community Service Affairs and Environmental Development Committee, Faculty of Pharmacy, Alexandria University (2017- till now)
- Member of the Organizing Committee for the International Conference on Pharmaceutical & Healthcare Sciences PHS 2019, 6-7th November 2019
- Member of the Organizing Committee for the 6th Scientific Conference of Microbiology and Immunology Department, 29th September 2018
- Member of the Organizing Committee for the 5th Annual Scientific Conference of Faculty of Pharmacy, 27 - 28th November 2017
- Member of the Quality assurance committee, Faculty of Pharmacy, Alexandria University (2017- till now)
- Member of the committee responsible for the revision of the faculty academic curriculums Faculty of Pharmacy, Alexandria University (2017- till now)
- Alexandria University, Faculty of Pharmacy Council (2010)
- Member of Education and Student Affairs Committee, Faculty of Pharmacy, Alexandria University (2009-2011) and (2021- till now)
- Disaster and Crises Management Committee, Faculty of Pharmacy, Alexandria University (2008- 2010) and (2017-till now)
- Member of the committee responsible for the revision of the faculty academic curriculum, Faculty of Pharmacy, Microbiology and Immunology Department, Curriculum Development Committee (2008- 2011)
- Global Clinical Pharmacy Academy, membership number 245 (2017- till now)
- General Syndicate of Pharmacists (1996- till now)
- Syndicate of Pharmacists of Alexandria (1996- till now)