

## Curriculum Vitae



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**Current position:** Professor of Microbiology: Virology, Infectious Diseases and Public Health at the Department of Microbiology and Immunology, Faculty of Pharmacy, Alexandria University, Egypt.

**Languages:**

- 1- Arabic: mother language
- 2- English: fluent writing and speaking.
- 3- French: very good writing and speaking.

### Education and Scientific Degrees:

- 1- **Bachelor** of Pharmaceutical Sciences, Faculty of Pharmacy, Alexandria University, Egypt, 1977.
- 2- **Master Degree** of Pharmacy in Microbiology, Department of Microbiology, Faculty of Pharmacy, Alexandria University, Egypt, 1980. "The Sensitivity of Mixed Bacterial Populations to Antibiotics".
- 3- **Degree of Doctor of Philosophy** in Pharmaceutical Sciences ( Microbiology: Viral Immunology) , Department of Microbiology, Faculty of Pharmacy, Alexandria University, Egypt in collaboration with departments of Microbiology "Albany Medical College" of Union University , New York , and , "College of Medicine", University of Florida, USA , 1986, entitled "Subunit Vaccines that can be given by the Natural Route of Infection" .

### **Academic Supervision:**

Participation in the supervision of the following Master and Ph. D. thesis:

- 1- "Antibacterial activity of multiple antimicrobial systems against *Pseudomonas aeruginosa*" by: Mostafa Ismail El Ammori, 1989, for Master degree in Pharmaceutical Microbiology.
- 2- "Potentiation of preservative efficiency in ophthalmic preparations" by: Nelly Mostafa Abdel Moneim Mohamed, 1999, for Master degree in Pharmaceutical Microbiology.
- 3- "Postantibiotic effect of chemotherapeutic agents on biofilm forming catheter infectious bacteria" by Mostafa Ismail El Ammori, 2001, for Ph. D. in Pharmaceutical Microbiology.
- 4- "A study of the extended – spectrum  $\beta$  – lactamases, produced by enterobacteriaceae versus different cephalosporins" by Nelly Mostafa Abdel Moneim, 2004, for Ph. D. in Pharmaceutical Microbiology.
- 5- "Comparative microbiological study on the effect of some non-steroidal anti-inflammatory drugs on the bacteriostatic and bactericidal activities of antibiotics" by Nihal Kadri Abdel Moneim Moussa, 2006, for Master degree in Pharmaceutical Microbiology.
- 6- "Comparative microbiological study of old and recent members of macrolides and ketolides" by Nihal Kadri Abdel Moneim Moussa, 2009, for Ph. D. in Pharmaceutical Microbiology.
- 7- "Microbial Biofilms: Formation, Control, and Eradication" by Alaa Aboul Fetouh Youssef Aboul Fetouh, 2007, for Ph. D. in Pharmaceutical Microbiology.
- 8- "Microbiological studies on Colistin using Pan-drug resistant Gram-negative clinical isolates" by Yasmine Fathy, 2008, for Master degree in Pharmaceutical Microbiology.
- 9- "Molecular study on cloning of Hepatitis C virus (HCV) antigens isolated from Egyptian HCV-infected patients" by Mona Elhosary, 2012, for Master degree in Pharmaceutical Microbiology.
- 10- "Molecular study on cloning of selected antigens from some members of infectious Gram-negative bacteria" by Mona Elhosary, 2015, for Ph. D. in Pharmaceutical Microbiology.
- 11- "Study of the mechanisms of Fluconazole resistance in urinary *Candida* species isolated from hospitalized patients in Alexandria, Egypt." by Rawan

Ahmed Abd El Kader Mohamed Salem, 2021, for Master degree in Microbiology and Immunology.

**- Scientific Meetings and Conferences:**

- 1- The 66<sup>th</sup> annual meeting of the Federation of American Societies for Experimental Biology (FASEB) in New Orleans, Louisiana, USA 1982: presentation of a poster entitled "The Use of Reconstituted Lipid Vesicles for Intranasal Immunization against Infections caused by Respiratory Viruses".
- 2- The Second Anglo – Egyptian Conference of Pharmaceutical Sciences, Alexandria, Egypt November 1991.
- 3- The Alexandria Second International Conference of Pharmaceutical Sciences and Technology, Alexandria, Egypt, October 2000: presentation of a poster entitled "Effect of Carbopol on the Antimicrobial Activity of Some Preservatives in Eye Drop Preparations".
- 4- The Eleventh International Conference of the Egyptian Society of Medical Microbiology (ESMM), Alexandria, Egypt, March 2003.
- 5- BioVision Alexandria 2006. New life sciences: Changing Lives, Bibliotheca Alexandria, Egypt, April 2006.
- 6- The Second Eastern Mediterranean Regional Infection Control Congress and The Sixteenth Annual Conference of The Egyptian Society of Infection Control, Alexandria, Egypt, November 2007. "Networking for Better Achievement".
- 7- The First International Conference of the Quality Assurance and Accreditation Center, Cairo, Egypt, April, 2008. "Quality and Accreditation between Reality and Ambition".
- 8- The 16<sup>th</sup> International Conference of the Egyptian Society for Medical Microbiology (ESMM) : " **New Modalities in Microbiology "** **Cairo, Egypt, March 2009.**
- 9- The 17<sup>th</sup> International Conference of the Egyptian Society for Medical Microbiology (ESMM) : " **New Modalities in Microbiology "**, **Cairo, Egypt, April 2010.**
- 10- Biovision Alexandria 2010, " New Life Sciences : Future Prospects ", Bibliotheca Alexandria, Egypt, April 2010.
- 11- 16<sup>th</sup> Conference 4<sup>th</sup> international Medical Research Institute Alexandria university "Advances in Medical Research : Quality in Medical Education and Practice " , Alexandria, Egypt, October 2010.

- 12- International conference on “Challenges Facing Health” Alex Health, Bibliotheca Alexandria, Alexandria, Egypt, November, 2012.
- 13- The 17<sup>th</sup> Conference (5<sup>th</sup> International) Medical Research Institute: Advances in Medical Research: OBESITY, Alexandria Egypt, November 2012.
- 14- The 14<sup>th</sup> Arab International Conference on Materials Science: Materials for Biomedical Applications, Alexandria, Egypt, 2013.
- 15- International Conference on Pharmaceutical and Healthcare Sciences, 2019, Alexandria, Egypt. November 2019.
- 16- PHS 2020, Webinar, Personalized Medicine: A Challenging Healthcare Model for Human Wellness. November 2020.
- 17- اسم الجهة المنظمة : الجمعية العلمية لطلاب كلية الصيدلة – جامعة , حملة توعية عن مرض الايدز الاسكندرية بالتعاون مع الاتحاد الدولي لطلاب الصيدلة ومنظمة الصحة العالمية  
عنوان الجهة : كلية الصيدلة – جامعة الاسكندرية ديسمبر ٢٠٠٣
- 18- حملة توعية عن مرض الايدز  
الجمعية العلمية لطلاب كلية الصيدلة – جامعة الاسكندرية بالتعاون مع الاتحاد الدولي لطلاب الصيدلة  
عنوان الجهة : كلية الصيدلة – جامعة الاسكندرية ديسمبر ٢٠٠٤
- 19- الحملة القومية للتطعيم ضد مرض الحصبة ومرض الحصبة الالمانى  
نشاط كلية الصيدلة جامعة الاسكندرية لخدمة البيئة والمجتمع وجمعية اصدقاء الصيدلة والمجمع العلمى  
للبحوث الدوائية عنوان الجهة : كلية الصيدلة – جامعة الاسكندرية ديسمبر ٢٠٠٨
- 20- ايها القياديون اوفوا بالعهد ووقفوا الايدز  
الجمعية المصرية لمكافحة مرض الايدز والمركز الأمريكى بالاسكندرية  
عنوان الجهة : المركز الأمريكى بالاسكندرية ديسمبر ٢٠٠٨

#### Other Activities:

- 1- Supervision of summer program training of third year students in Public Pharmacies.
- 2- Attending the Faculty & Leadership Development Project (FLDP) course for: **"Skills of Effective Thinking"** 11-14/12/2004.
- 3- Attending the Faculty & Leadership Development Project (FLDP) course for: **"Skills of Effective Communication"** 18-21/12/2004.
- 4- Attending the Faculty & Leadership Development Project (FLDP) course for: **"Management of Scientific Research"** 9-12/4/2005.
- 5- Attending the Faculty & Leadership Development Project (FLDP) course for: **"Skills of Effective Presentation"** 16-19/4/2005.

- 6- Attending the Faculty & Leadership Development Project (FLDP) course for: **"New Trends in Teaching"** 21-24/5/2005.
- 7- Attending the Faculty & Leadership Development Project (FLDP) course for: **"Code of Ethics"** 8-10/10/2005.
- 8- Attending the Faculty & Leadership Development Project (FLDP) course for: **"Teaching with Technology"** 28-30/10/2006.
- 9- Attending the Faculty & Leadership Development Project (FLDP) course for: **"Writing Scientific Paper and International Publication"** 17-19/3/2007.

### **Publications:**

- 1- Nadia El Guink , Richard M. Kris , Gail Goodman-Snitkoff , Parker A. Small , Jr. , and Raphael J. Mannino , "Intranasal Immunization with Proteoliposomes protects against Influenza" , Vaccine , Vol. 7 , April 1989 p. 147-151 .
- 2- Mansour E. Aggag, Mohamed A. Fawzi, Nadia M. El Guink, and Nelly M. Abdel Moneim, " Effect of Carbopol on the Antimicrobial Activity of Some Preservatives in Eye Drop Preparations" Alex. J. Pharm. Sci., Vol. 15 (1), March, 2001.
- 3- El-Nakeeb M.A., Fawzy M.A., EL-Guink N.M. and Moussa N.K., (2006). Comparative antibacterial activities of five non-steroidal anti-inflammatory drugs and their combinations with different antibiotics. In New Egyptian Journal of Microbiology, Vol. 14: 84-103.
- 4- El-Nakeeb M.A., Fawzy M.A., EL-Guink N.M. and Moussa N.K., (2006). The effect of salicylate on the antibacterial activities of different antibiotics. In Egyptian Journal of Biotechnology, Vol.23:195 - 224.
- 5- El-Nakeeb M.A., Fawzy M.A., EL-Guink N.M. and Moussa N.K., (2006). Bacteriostatic and bactericidal activities of some diclofenac-antibiotic combinations. In New Egyptian Journal of Microbiology. Vol. 15: 119-141.
- 6- El-Nakeeb M.A., Fawzy M.A., EL-Guink N.M. and Moussa N.K., (2006). The effect of some factors on the antibacterial activities of diclofenac, salicylate, some antibiotics and their combinations. In New Egyptian Journal of Microbiology. Vol. 15: 155-185.
- 7- El-Nakeeb M.A., Fawzy M.A., EL-Guink N.M. and Moussa N.K., (2007). Effect of five non-steroidal anti-inflammatory drugs on the antifungal activities of

Nystatin and Fluconazole against *Candida albicans*. In New Egyptian Journal of Microbiology. Vol. 16: 1-12.

- 8- M.E. Aggag, M.A. Fawzy, N.M. El-Guink, H.M. Saeed and N.M. Abdel-Moneim (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. In New Egyptian Journal of Microbiology.
- 9- N.M. El-Guink, Phenotypic evaluation of imipenem and meropenem activity against some Gram negative multiresistant clinical isolates, N Egypt J Microbiol , 2008
- 10- El-Nakeeb M.A., Abou Shleib H., EL-Guink N.M, Khalil, A., Fathy Y., Effect Of Colistin on the in-vitro Post-antibiotic activity and biofilm formation using Pandrug-resistant clinical Gram-negative isolates, N Egypt J Microbiol 2010.
- 11- El-Nakeeb M.A., Abou Shleib H., EL-Guink N.M, Aboulfetouh A., Response of some Gram negative and Gram positive biofilm cells to fluoroquinolone challenges, Bacterial cell biology (conference) 2010.
- 12- N.M. El-Guink, Phenotypic evaluation of imipenem and meropenem activity against some Gram negative multiresistant clinical isolates, N Egypt J Microbiol, 2008
- 13- Membrane Permeabilization of Colistin towards Pan-drug resistant Gram-negative Isolates by M.A. El-Nakeeb, H. M. AbouShleib, A. M. Khalil, N. M. El-Guink and Y. F. Mohamed. Brazilian J. Microbiol.(accepted 2014).
- 14- The effect of different Macrolides on biofilm formation and eradication of formed biofilms by *Pseudomonas aeruginosa* by Mostafa A. El Nakeeb, Nadia M. El-Guink, Hamida M. Abou Shleib and Nihal K. Moussa Egypt J. Biotechnol. Vol. 46, February 2014
- 15- Evaluation of Postantibiotic Effect of Niosome Encapsulated Ciprofloxacin and Ciprofloxacin-Antibiotic Combinations Using Simulated In Vivo Model By Abd El Ghany El-Khouly, Nadia El-Guink, Hamida Abou Shleib and Moustafa El-Ammori Egypt J. Biomed. Sci. Vol. 44, March 2014
- 16- A comparative study of bactericidal and postantibiotic effects of Macrolides and Ketolides against clinical bacterial isolates collected from Alexandria, Egypt by Mostafa A. El Nakeeb, Nadia M. El-Guink, Hamida M. Abou Shleib and Nihal K. Moussa N. Egypt. J. Microbiol. Vol. 38, May 2014
- 17- Immunization with the ferric iron-binding periplasmic protein HitA provides protection against *Pseudomonas aeruginosa* in the murine infection model. By Elhosary MA. Bahey-El-Din M, Abdel Bary A, El Guink N, Aboushleib HM. Microbial Pathogenesis 131:181-185; 2019.

- 18- Recombinant Flagellin and Incomplete Freund's Adjuvant Potentiate the Vaccine Efficacy of the Iron Acquisition Protein (HitA) of *Pseudomonas aeruginosa*. By Elhosary, M. A.; El Guink, N.; AbdelBary, A.; Aboushleib, H. M.; Bahey-El-Din, M.. J. Adv. Pharm. Res. 2020, 4 (3), 101-110.