

## **Resume**

Nihal Kadry Moussa.

[nihalkmoussa@yahoo.com](mailto:nihalkmoussa@yahoo.com)

[nihal.moussa@alexpharmacy.edu.eg](mailto:nihal.moussa@alexpharmacy.edu.eg)

### **Profile:**

Holding degree of Doctor of Philosophy in Pharmaceutical Sciences (Pharmaceutical Microbiology: Department of Microbiology, Faculty of Pharmacy, Alexandria University, Egypt (2009).

10 years experience of working in microbiology department in the said faculty as demonstrator, assistant lecturer, lecturer and as researcher, where my master and PhD were hold.

Great teaching experience as a lab demonstrator since 2002-2009, and as a lecturer since 2009 till june 2012 in the said faculty.

Practical experience in the majority of microbiology techniques for identification and counting bacteria, sterility testing as well as aseptic handling of microbial cultures and pathogenic organisms and GMP.

Great experience in molecular techniques concerning gene isolation, and identification by PCR, plasmid extraction, transformation and conjugation

Supervising master students and planning their research daily work.

### **Research Interests:**

I am highly interested in *Ps.aeruginosa* research work specially biofilm formation and eradication, quorum sensing and detection of resistance genes and virulence factors.

My research also focused on other topics like antibiotic resistance, molecular detection of resistance genes specially those related to macrolides, ketolides, glycopeptides and others.

Antibiotic activity of non-antibiotic substances like Non-steroidal Anti-inflammatory drugs.

### **Education and scientific degrees:**

Doctor of Philosophy in Pharmaceutical Sciences (Pharmaceutical Microbiology: Department of Microbiology, Faculty of Pharmacy, Alexandria University, Egypt (2009).

Master of pharmaceutical sciences (pharmaceutical Microbiology 2006).

Bachelor of pharmaceutical sciences 2002 with distinction of honor.

High school: Notre Dame de Sion, Alexandria, Egypt

Computer skills: A designated licensee for the International Computer Driving License (2004).

Workshop on Analysis of Research Results Using SPSS

Languages: Mother language: Arabic  
English: Fluent :Local Toefl ( Very Good)  
:Ilets ( score 7.5), July 2009  
French: Fluent: Alliance Francaise (mention très bien).

### **Scientific Positions:**

All Positions were held in the Department of Microbiology, Faculty of Pharmacy, Alexandria University, Egypt.

Lecturer of Microbiology: Pharmaceutical Microbiology & Parasitology since 2010- present.

Assistant Lecturer of Pharmaceutical Microbiology: 2006-2010.

Demonstrator of Pharmaceutical Microbiology, Public Health and Parasitology: 2002-2006

### **Scientific Activities:**

Teaching a course of Pharmaceutical microbiology & Parasitology to undergraduate students in the Faculty of Pharmacy, Alexandria University.

Participate in teaching special Pharmaceutical Microbiology courses to graduate pharmacy students, Faculty of Pharmacy, Alexandria University.

### **Supervision:**

Master thesis "Development of Lipid-Based Systems for Local Delivery of Anti-Infectives" 2010-2011.

Master thesis "*Molecular Characterization of some selected Gram-Positive Clinical Isolates with varying resistance to Gentamicin, Rifampicin and some Glycopeptides*" 2011-2012

### **Scientific Meetings and Conferences:**

The Second Euro-Med Conference. " Plant Natural Products: From Biodiversity to Bioindustry" Alexandria, Egypt, 11-13 December 2011.

Federation of Infection Society Scientific Conference. Manchester, England, 16-18 November 2011.

The 20<sup>th</sup> Annual Conference of the Egyptian Society of Infection Control & The 4<sup>th</sup> Conference of the Eastern Mediterranean Regional Network for Infection Control: " Infection Preventionists: Marathonning Towards Zero", Alexandria, Egypt, 17-20 October 2011.

BioVision Alexandria 2008. New Life Sciences: From Promises to Practice, Bibliotheca Alexandria, Egypt, 12-16 April 2008.

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".

BioVision Alexandria 2004. The New Life Sciences: Ethics, Patents and the Poor, Bibliotheca Alexandria, Egypt, 3-6 April 2004.

### **Other Activities:**

Attending the Faculty & Leadership Development Project (FLDP) course for: " Thinking Skills , " Communication Skills, Effective Presentation Skills, Teaching with Technology, Code of Ethics, Research Methodology , Effective Teaching, " Analysis of Research Results  
Attending in the Medical Technology Center: “Basic Molecular Biology”, Molecular Biology Level III Subcloning " held at the Medical Technology Center for Research and Services, Medical Research Institute, Alexandria University

**Publications:**

Nihal K. Moussa and Alaa A. Y. Abouelfetouh. 2011. Will Garlic Improve Antibiotic Effectiveness In Biofilm Treatment? **Presented as poster** in Federation of Infection Society Scientific Conference. Manchester, England, 16-18 November 2011.

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.

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.

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.

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.

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.

A Y Abouelfetouh and N K Moussa. 2011. Enhancement of Antimicrobial Activity of Antibiotics Belonging to Different Classes after Combination with Garlic. **Presented as poster** in The Second Euro-Med Conference. “ Plant Natural Products: From Biodiversity to Bio industry” Alexandria, Egypt, 11-13 December 2011. It is also **published** in Plant Asian Journal