**RESUME**

**PERSOALITY:**

* **Name:** Amal Ahmed Mahmoud Elkhawaga (PhD).
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**SUMMARY of QUALIFICATIONS:**

1. Diagnosis of infectious diseases using conventional methods (Gram staining, culture and biochemical reactions) and molecular techniques as PCR and Multiplex PCR.
2. Antibiotic sensitivity testing for the isolated bacteria from pathological samples
3. Quantification of released DNA using Spectramax fluorescence microplate reader and Nanodrop.
4. Staining tissue sections and samples on coverslips by fluorescent dyes and   
    monoclonal antibodies.
5. Examination of stained tissue sections and samples on coverslips using Fluorescent microscopy and Confocal microscope.
6. Estimation of the antimicrobial effect of neutrophils antimicrobial peptides on human pathogens in vitro.
7. Detection of bacterial concentration in liquid culture media using spectrophotometer and plate count method.
8. Detection of PCR products using agarose gel electrophoresis.
9. Teaching undergraduate students the Bacteriology, virology, mycology and   
    immunology courses.

**EDUCATION:**

**2011:** PhD Degree in Microbiology and Immunology. Department of Medical Microbiology & Immunology, faculty of Medicine Assiut University, Assiut, Egypt.

**2006:** Master of Science Degree in Microbiology and Immunology, Department of Medical Microbiology & Immunology, faculty of Medicine Assiut University, Assiut, Egypt.

**2002:** Bachelor of Science Degree in Vet. Medical Sciences,Faculty of Vet. Medicine, Assiut University, Assiut, Egypt.

**Professional History:**

**Jan. 2014:** Post-doctoral fellowship in Microbiology & Immunology   
Department school of Medicine, IUPUI, Indiana, USA

**2012- 2014:**- Lecturer in Medical Microbiology & Immunology Department,   
Faculty of Medicine, Assiut University, Assiut, Egypt.

* Supervisor in the infection control unit laboratory in Assiut University hospital.

**2007- 2012:** Assistant lecturer in Medical Microbiology & Immunology Department, Faculty of Medicine, Assiut University, Assiut, Egypt.

**2002- 2007:** Demonstrator in Medical Microbiology & ImmunologyDepartment, Faculty of Medicine, Assiut University, Assiut, Egypt.

**PUBLICATIONS**

* **Evalution of different methods for detection of KPC β- lactamase in *Klebsiellapneumonae* and *E coli*.**Assiut Med. J ;Vol (37) No.2 May 2013.
* **Detection and Genotyping of *C. botulinum* Types A, B, E and F Neurotoxin   
   Genes in Some Egyptian Food Products.**Journal of American Science 2011; 7(10): 176-190]. (ISSN: 1545-1003).
* **Incidence of Helicobacter species in Milk and Some Milk products in Assiut City.**Amal A. M. Elkhawaga. *et al .*15 th Conference of the Egyptian Society for Medical Microbiology(ESMM)Cairo, Egypt, 5-6April, 2007.
* Arabic is the mother language, very good English TOEFL-IBT, good Deutch

**Computer skills:** I have an ICDL