

# Shahinda Abdelaziz Mahmoud Rezk

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## Personal DATA

- Nationality: Egyptian
- Date of Birth: 11/10/1987
- Place of Birth: Alexandria Egypt
- Marital Status: Married
- Job Title: Lecturer Assistant of Microbiology, Medical Research Institute, Alexandria University

## Contact

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- Telephone Number: +203-5750238
- Mobile Number: +201023020030

## Education

- Master Degree of Diagnostic and Molecular Microbiology, Medical Research Institute, University of Alexandria (August 2015)
  - Thesis title: Phenotypic and Genotypic Aminoglycoside resistance pattern among *Acinetobacter baumannii* clinical isolates.
  - General Grade: Excellent.
- Bachelor of Pharmaceutical Sciences (June 2011) - Faculty of Pharmacy- University of Alexandria.
  - General Grade: Excellent (90.05 %)
- Graduated from Sacred Heart School obtaining Certificate of Merit being the best student (2006).

## **Language and computer skills:**

- Arabic: Mother tongue
- English: Excellent
- French: Very Good
- German: Good
- Computer: Very good user of windows and all office applications.

## **Work Experience**

- Current DAAD Scholar at the Institute of Virology, Technical University of Munich. ( November 2017 till now)
- Assistant lecturer of Microbiology, Medical Research Institute, University of Alexandria ( September 2015 till now )
- Demonstrator of Microbiology, Medical Research Institute, University of Alexandria (2012-2015)
- Demonstrator of Microbiology, Pharos University ( September 2011-March 2012).
- Trained at Murrayville Pharmacy, Vancouver, Canada ( July 2010).

## **Current Job Description and Responsibilities**

### **Teaching:**

- Participation in teaching practical courses for post graduate students for master and PhD degrees in Diagnostic Molecular Microbiology.
- Teaching practical courses of Diagnostic Microbiology for undergraduate students, Faculty of Dentistry, Alexandria University (Malaysian program).

### **Research:**

#### **Research areas of interest include:**

- Viral hepatitis pathogenesis and management.
- Molecular characterization of antibiotic resistance in bacteria.

- Novel molecular targets for antibiotic therapy.

### **Other Responsibilities:**

- Routine quantitative PCR analyses for diagnosis and following up HCV, HBV, CMV and TB in infected patients.
- DNA sequencing as part of research methodologies and for genotyping HCV infections.
- Routine microbiological analyses including cultures and sensitivities for outpatients and patients admitted to the Medical Research Institute hospital.
- Routine serological analyses for patients and blood bank bags for detection of HCV, HBV and HIV infections.

### **Molecular biology techniques**

- DNA/ RNA/ Plasmid extraction
- PCR (Real Time/ RT PCR /Conventional/ Multiplex PCR)
- Gel electrophoresis
- RFLP
- Sequencing

### **Microbiology Techniques**

- Microscopes
- Slide staining/ preparation
- Cell Staining for Microbe Identification
- Aseptic Techniques
- Agar plate preparation and streaking for the purpose of individual colony isolation
- Quantification: Colony Forming Units (CFU)
- Dilution Plating
- Cultivation, Isolation and Identification of bacteria from clinical specimen.

## **Proven Characteristics:**

- Self-motivated.
- Hard worker.
- Able to assume total responsibility.
- Self-starter.
- Quick learner.
- Excellent communication with colleague.

## **Courses:**

- Infection control course at MRI.
- Clinical studies at the Faculty of Pharmacy.
- Marketing course at the Faculty of Pharmacy.
- Presentation Skills course at the Faculty of pharmacy.
- English conversation I, II, III at the Arab Academy for Science & Technology & Maritime Transport.

## **References:**

### **Prof. Dr. Abeer Ghazal**

Position: Head of the Microbiology Department, Medical Research Institute, Alex. Uni

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### **Prof. Dr. Ola K. Mahmoud**

Position: Professor of Microbiology Medical Research Institute, Alex. University, Egypt

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**Dr. Ahmed Hassan Gaballah**

Position: Lecturer of Microbiology Medical Research Institute, Alex. University, Egypt.

Former DAAD scholar (2009-2012)

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