



Mohammed Youssef El-talkhawy

Assistant lecturer of Microbiology, MRI
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Personal Data:

- *Date of Birth: 4th of November 1987.*
- *Place of birth: Alexandria, Egypt.*
- *Marital status: married*
- *Military status: Exempted*
- *Nationality :Egyptian*

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Academic History:

- *University of Alexandria*
 - Sept 2005 - 2011
 - **MBBCh** from *Faculty of Medicine*
 - Excellent degree with grade of honor
- *University of Alexandria, Medical Research Institute(MRI)*
 - **MSc** in Molecular and Diagnostic Microbiology
 - 2014-2017

Positions and Work History:

- Assistant lecturer of Microbiology University of Alexandria, 2017-present
 - Giving lectures and seminars for postgraduate students in microbiology and infection control
 - Assisting my colleagues in lab work
- Demonstrator of Microbiology, University of Alexandria 2013-2017
 - Assist students with microbiological lab works
 - Responsible for organizing office files
 - Performing workshops for students about microbiological lab works
- General practitioner in El Alamein central Hospital, Marsa Matrouh, Egypt. April 2013 – November 2013.
- House Officer in Alexandria Main University Hospital (AMUH), March 2012 – March 2013

Volunteer Work

- WHO program for increase awareness about the hazards of *H.pylori* infections among Egyptians, 2011
 - Wide- scale campaign of WHO in Alexandria to identify the risks of *H.pylori* infections among food handlers
- Participating in local screen program for identify NS5B mutant HCV naïve patients
 - More than 3000 HCV infected patients were screened for NS5B (RNA polymerase) mutations to identify possible percentage of success of the new oral directly acting drugs.

Practical Skills

- Microscopy (fluorescent, inverted and phase contrast microscopy), Slide staining/ preparation, Cell Staining for Microbe Identification,
- Agar plate preparation and streaking for the purpose of individual colony isolation, Dilution, Plating and Cultivation,
- Interpret and analyze results of bacterial cultures
- Perform different techniques of MIC.

- Perform and interpret ELISA results for different pathogens including HBV, HCV, HIV for blood bank screening
- Performing different types of genomic extraction (DNA, RNA, plasmid)
- Mastering performance of different types of conventional PCR
- Performing with perfection gel electrophoresis for results of conventional PCR
- Performing Restriction Fragment Length Polymorphism (RFLP).
- Performing real time PCR different for types of viruses including HBV, HCV, HIV, and CMV.
- Performing SYBR green real time PCR for HCV.

Scientific fields of interest:

- Infectious virological diseases
- Pathogenesis of viral infections
- Human microbiome and possible role in diseases
- Development of new vaccines
- Antibiotics and resistance mechanisms

Hobbies:

- Reading, fishing, Tennis sports.

