

### Short CV: Manal Diab:

**Manal Diab** “Prof. of Medical Microbiology, Theodor Bilharz Research Institute (TBRI)”. Graduate from Faculty of Medicine Cairo University (M.B, B.Ch). Completed post graduate studies in chemical pathology, medical microbiology, immunology and molecular genetics (M.Sc.; M.D.). Carried research work on microbial diseases affecting the liver, the gastrointestinal and the urinary tracts, detection of emerging mechanisms in multi-drug-resistant bacteria and testing their susceptibility patterns to novel antibiotics. The incorporated research topics were on: Invasive and non-invasive diagnosis of *Helicobacter pylori* in dyspeptic patients and detection of antimicrobial resistant genes and virulence markers in *Helicobacter pylori*-related infection; phenotypic detection of methicillin-resistant Staphylococci, metallo- $\beta$ -lactamases, extended spectrum  $\beta$ -lactamases and carbapenemase enzymes among bacterial strains clinical isolates and determining their resistance genes. Participated in 7 research projects sponsored by international (including; FP7 Erawide Project, Theodor Bilharz into the European Research Area (THEBERA)) and national agencies, and worked as principal investigator in one research project funded by TBRI. Published 22 research articles in peer reviewed national and international journals. Peer reviewer for the Medscape Journal of Medicine in 2009 and for the African Journal of Microbiology Research in 2016. Supervised 7 M.Sc. and 4 M.D theses. Worked as manager of TBRI president office, as an internal auditor in quality assurance unit and as a member in TBRI Institutional Review Board (IRP) and in TBRI technical office. Awarded as a Winner of “Late Prof. Dr.Sawsan Omran ’ Award for The Second Best Scientific Research in 2008”.

### List of most relevant publications

- 1- Inas El-Dafrawi, **Manal Diab**, Mona Moussa, Ahmed EL-Ray and Effat EL-Sherbini (2000): Rapid non-invasive diagnosis of *Helicobacter pylori* in dyspeptic patients. *Egypt. J. Med. Microbiol.*, 9 (1): 219-227.
- 2- **Manal Diab**, and Ahmed El-Baz (2003): Emerging resistance of bacterial strains causing complicated and uncomplicated urinary tract infections to current antimicrobials. *Egypt. J. Med. Microbiol.* 12 (2): 369-379.
- 3- Nevine Fam, **Manal Diab**, Hoda Gomaa and Inas El-Defrawy (2006): Phenotypic detection of metallo- $\beta$ -lactamases and extended spectrum  $\beta$ -lactamases among Gram negative bacterial clinical isolates. *Egypt. J. of Med. Microbiol.* 15 (4):719 – 730.
- 4- **Manal Diab**, Mervat El-Damarawy, Mohamed Shemis (2008): Rapid identification of methicillin-resistant *Staphylococci* bacteremia among intensive care unit patients. *Medscape J Med.*;10 (5):126.
- 5- **Manal Diab**, Samah Saad El-Dine, Laila Aboul-Fadl, Mona Moussa, Zeinab Omran, Mohamed Shemis, Maged El-Ghannam, Ahmed El-Ray, Afkar Badawi, Inas El-Defrawy, Effat El-Sherbini and Mohamed Saber (2008): Inducible nitric oxide synthase expression in *Helicobacter pylori* CagA<sup>+</sup> strains infections. *Egypt. J. of Microbiol.*,17(4):605-613.
- 6- **Manal Diab**, Samah Saad El-Dine, Laila Aboul-Fadl, Mohamed Shemis, Zeinab Omran, Afkar Badawi , Maged El-Ghannam, Ahmed El-Ray, Nevine Fam , Inas El-Defrawy, Effat El-Sherbini and Mohamed Saber (2009): *Helicobacter pylori* cag pathogenicity island genes among dyspeptic patients with chronic gastritis. *Egypt. J. of Med Microbiol*; 18(1): 43-53
- 7- **Manal Diab**, Nevine Fam, Manal El-Said, Ehab El-Dabaa Inas El- Defrawy and Mohamed Saber (2013): Occurrence of VIM-2 metallo- $\beta$ - lactamases in imipenem resistant and susceptible *Pseudomonas aeruginosa* clinical isolates from Egypt. . *Afri J. Microbiol. Res.*; 7(35): 4465-4472.
- 8- **Manal Diab**, Mohamed Shemis, Maged El-Ghannam, Doaa Gamal, Magda Azmy, Dalia Salem, Soheir Mansy and Mohamed Saber (20015): *Helicobacter pylori* vacA genotyping in relation to cagA status, ultra-structure of gastric mucosa and clinical outcomes in Egyptian patients. *Afri J. Microbiol. Res.*