

# Hany Michael Aziz Eshak

Professor of Bacteriology

(Animal Health Research Institute (AHRI) – Egypt)

## Contact Information:

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## Personal Information:

- **Date of birth:** 30/09/1961
- **Nationality :** Egyptian
- **Marital Status:** Married
- **Work address:** bacteriology researches department  
Animal Health Research Institute (AHRI)  
Nadi El- Said Street, Dokki, Giza, Egypt.

## High lights:

Member of biosafety team in AHRI  
Responsible for the training courses of serological identification of bacteria.  
Identification of unknown bacteria and AST by traditional biochemical methods and by automated Vitek2 compact system.

## Current Job:

- **Professor of Bacteriology.**
- **Isolation and Identification of pathogenic bacteria from different sources.**
- **Member of the Egyptian Biosafety Association (EGBSA) in AHRI.**
- **Participate in developing, evaluating and validating standard operating procedures.**
- **Application of biosafety and biosecurity measures to protect the works and the environment from exposure to risks.**

## Education:

- **PH.D.: Faculty of Veterinary Medicine** 2002 Cairo University - Egypt  
**Title : Bacteriological and serological studies on mastitis in cows in closed farms.**

- **M.V.SC.:Faculty of Veterinary Medicine** 1996 Zagazig University - Egypt  
Title : **Differentiation of dermatophytes by electron microscopy.**
- **B.V.SC.:Faculty of Veterinary Medicine** 1986 Assiut University – Egypt

### **Biosafety training courses:**

- 1 Egyptian biosafety association's orientation to **biorisk management**, 14-15 January 2013 by Ben Brodsky, Will Pinard, Lora Grainger and Howard Passell, (the sponsors were **Sandia National Laboratories and Biosafety Engagement Program (BEP)**).
- 2 **Biorisk characterization and evaluation**, 8 February, 2015 (the sponsors were **Sandia National Laboratories and Biosafety Engagement Program (BEP)**).
- 3 **Developing, evaluating and validating Standard Operating Procedures (SOPs)**, 9 February, 2015, (the sponsors were **Sandia National Laboratories and Biosafety Engagement Program (BEP)**).

### **Scientific Activities:**

- Participated in **the first EGBSA biological safety conference** from 8 till 11 February, 2015 (Conference sponsors were Biosafety Engagement Program (BEP) and Sandia National Laboratories in Sharm el sheikh, Egypt).
- Participated in the 12<sup>th</sup> scientific conference (4th international) of Cairo university faculty of veterinary medicine, 25-28 October December 2014.
- Participated in the second scientific conference of the scientific association of animals health research institute, February 2014.
- Participated in the first scientific conference of the scientific association of animals health research institute, December 2012.
- Participated in Arab Veterinary Medical Congress ,Cairo ,Egypt. December 2008.

### **Researches:**

**Publication: 15 scientific researches related to infections and zoonotic diseases.**

#### **Titles:**

- 1 Studies on enteric bacteria isolated from dead, diseased and apparently healthy quail.
- 2 Bacteriology studies of fecal and water samples from different sources with special references to some Gram negative bacteria.
- 3 Study on virulence factor genes in *Escherichia coli* isolated from diarrheic calves.

- 4 Molecular and functional characterization of the campylobacter causing diarrhea in cows, sheep and goats.
- 5 Enzyme linked immunosorbant assay (ELISA) for the detection of *Escherichia coli* K99 pilus antigen in feces.
- 6 Electrophoretic and immunological characterization of *Plesiomonas shigelloides* toxin causes diarrhea.
- 7 Prevalence of Salmonella in diarrheic lambs and kids in Fayoum Governorate. The use of slide latex agglutination kit.
- 8 Immunological characters of outer membrane protein of salmonella.
- 9 Prevalence and antimicrobial resistance patterns of *Aeromonas hydrophila* strains isolated from diarrheic cattle.
- 10 Efficiency of some disinfectants on *Pseudomonas aeruginosa* isolated from different sources
- 11 Rapid identification of Gram negative bacteria isolated from mastitic cow's milk in different dairy farms by Vitek2 compact system.
- 12 Prevalence of pathogenic *E. coli* in diarrhoeic calves with special reference to antibiotic resistance genes.
- 13 Molecular characterization of *Aeromonas hydrophila* in cows with special concern to antibiotic resistance genes.
- 14 Uncommon Corynebacterium species causing suppurative skin lesion in cows
- 15 Evaluation of the automated Vitek2 compact system in the identification of Gram positive cocci in comparison to the conventional identification methods.

#### **Memberships:**

- 1 **Member of Egyptian Bio-Safety Association (EGBSA).**
- 2 **Member of Egyptian Society of Veterinary Medicines – Cairo, Egypt.**

#### **Languages:**

- \* Arabic                      Mother Tongue
- \* English                      Very Good

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**PC – Skills :**

Microsoft Power Point.  
Microsoft Word  
Internet Applications.

**References:**

- **Dr. Adel Fayek Farid** Professor of Bacteriology (AHRI) Egypt. **Phone: (002 01223493745)**

*Notes: All references can be provided upon request.*