



***Dr. Mohamed Makin El-Bardisy***

**D.V.M**

**CURRICULUM VITAE**

**Date of Birth: 8- May, 1956**

**Nationality :Egyptian**

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**PROFESSION**

***Professor of Microbiology***

**Animal Health Research Institute**

**(Egypt)**

**1980-2003&**

**2012-Now**

***Bacteriologist***

**Vet. Diagnostic Laboratories,**

**Public Authority of Agricultural**

**Affairs and Fish Resources**

**(Kuwait)**

**(2003-2012)**

**EDUCATION:**

**- Ph.D. Animal Microbiology, Cairo University , Egypt,1988**

**- M. Sc. Animal Microbiology, Cairo University,Egypt,1984**

**- B.V.Sc. Veterinary Science, Cairo University, Egypt,1979**

**Key Qualification:**

**Professor Dr.M.Makin El-Bardisy is a Chief Researcher of Microbiology, Animal Health Research Institute, Dokki, Egypt from year 2000 till now.**

**Present Position:**

**Professor and Had of Bacteriology Department , Animal Health Research Institute, Egypt**

**Posts and Graduation:**

**Dr.El-Bardisy was appointed at the Animal Health Research Institute as a Veterinary Doctor( Department of Microbiology) in 1980, Assistant Researcher in 1984, Researcher in 1990, advancing to Senior Researcher in 1995 and Finally a chief Researcher in the year 2000 up till now.**

## **Experiences, Duties and Activities:**

**\* 1980-1993:**

**- A lot of experience in the field of Microbiology and bacteriological diagnosis of all live stock and poultry as well as wildlife bacterial diseases performing the following duties:**

**1- isolation and identification of causative bacterial agent from infected tissues of dead animals as well as from diagnostic swabs, blood of diseased animals using cultural, morphological and biochemical tests with the use of commercially available kits as Streptococcus grouping and staphylococcus aureus kits, ELISA kits for diagnosis of T.B., Brucella, Paratuberculosis....ect.**

**2- Serological diagnosis: including grouping and typing of the isolated strains , various serological tests as agglutination test, precipitation test. Elisa, CFT**

**3- Antibiotics sensitivity test : for the determination of the suitable antibiotic for treatment of diseased animals**

**4- Preparation and titration of clostridial vaccines (potency, safety and sterility).**

**5-Significant experience in the diagnosis of C.perfringens in meat and meat products (enumeration of the total bacterial count, level of contamination ,heat resistance strains...ect))**

**6-Significant experience in the activities of C.perfringens toxin.**

**7- Bacteriological examination of all animal feed and water as well as animal bi-products (wool-skin-salted intestine) for the detection of any pathogenic bacteria or its toxin as (salmonella- anthrax-c.botulinm).**

**8- Visitation of different animal farms in different Governorates at A.R. Egypt , collection of the suitable samples for bacteriological diagnosis, submission of recommendations to the owner.**

**1993: Dr.El-Bardisy got the TOEFEL Degree from the American University Egypt beside the aforementioned duties.**

**1993-1994:**

**- Training in U.S.A (mentioned later in detail)**

**1994-2003:**

**- Beside the aforementioned duties:  
Participation for the teaching of practical and theoretical courses of the Bacteriology and diagnosis of the animal bacterial diseases for the Veterinary Doctors of the Afro-Asian group as well as summer training for the students of the faculty of Veterinary Medicine, Cairo University, Egypt. Also training courses had been applied for the technicians from different Arab countries ( including all bacteriological techniques for animal diseases).**

**2003- February 2012:**

**1-As a Bacteriologist at the Public Authority of Agricultural Affairs and Fish Resources (PAAF) ,State of Kuwait, performing the following duties:**

**a- Bacteriological diagnosis of all bacterial diseases of live stock, poultry , wildlife and other animals and Serological diagnosis of these diseases as well as preparation of information data base on the incidence & prevalence of these diseases in Kuwait.**

**b- Serological diagnosis of glanders in Equine using CFT.**

**c- Serological diagnosis of brucellosis in cattle, sheep, camel , goat and other animals.**

**d- Serological diagnosis of Tuberculosis in animals as well as Paratuberculosis.**

**e- Application of the antibiotics sensitivity test on the bacterial isolates for selection of the suitable antibiotic for treatment of diseased animals.**

**f- Bacteriological and Serological examination of newly imported animals for the OIE list infectious diseases as Brucellosis, Tuberculosis , glanders...ect as well as fertile eggs, one day old chickens, pet birds before permission to be bred in the country.**

**g- Bacteriological examination of the exported animal bi-products ( salted intestine- wool- salted skin) for pathogenic organisms as Salmonella and anthrax.**

**h- Bacteriological examination of the imported animal feed items for livestock, poultry and pets**

**animals before permission for marketing in the country**

**2- Choosing proper equipments, various diagnostic kits, diagnostic biological reagents, chemical and cultural media required for the bacteriology laboratory.**

**3- Training of the laboratory staff practically and theoretically on the bacteriological diagnosis of bacterial diseases of animals and birds.**

**4- Application of regular lectures, seminar and programs of different topics of bacterial diseases have been arranged and the latest development in each respect are discussed by attending persons which include the lab staff , clinicians in the field..ect. Examples of these lectures are:**

**a- Bacteriological and Serological diagnosis of Brucellosis in farm animals.**

**b- Bacterial causes of the most important Calf diseases.**

**c- Characterization of Gram positive and Gram negative bacteria.**

**d- Bovine tuberculosis and its diagnosis**

**e- Mastitis in Dairy cattle and its bacteriological diagnosis.**

**f- Clostridial organisms as causative agents of food poisoning in animals**

**g- DNA probe for the diagnosis of Black leg disease in cattle and sheep.**

**h- Diseases of Small ruminants .**

**February 2012 – Now:**

**- Professor and Head of the Bacteriology Department, Animal Health Research Institute , A.R.Egypt .**

**Research Projects:**

**Acted as a senior investigator in the National Research project for Anaerobic bacteria and their diseases in the different Governorates of the A.R.Egypt during the period 1980-1987 which financially supplied by the Egyptian Academy of Science and Technology, running at the Microbiology Department, Animal Health Research Institute, Dokki, Egypt.**

**Supervision:**

**During the period from 1990-2003,I acted as a supervisor on various Masters and ph.D theses in the field of Veterinary Microbiology as well as other related Veterinary Sciences. Also as a cooperative and assistance in many Masters and ph.D theses.**

**Memberships:**

**- Member of the Egyptian Veterinary Medical Association.**

**Conferences:**

**1- International:**

**\* Attended In the Conference of Researches Works in Animal Diseases, Chicago, U.S.A., In the period 8-9/11/1993.**

**\* Attended in all Arab Veterinary Medical congresses held in Egypt.**

**\* Presenter in the 24<sup>th</sup> Arab Veterinary Medical Congress (1999) in Egypt**

**2- National:**

**\* Attendance in all congresses arranged by the different Colleges of Veterinary Medicine in Egypt.**

**\* Presenter at the 7<sup>th</sup> Scientific Congress, Faculty of Veterinary Medicine, Assiut, Egypt (1996).**

**TRAINING COURSES**

**International long term training course: 1993-1994  
Held at College of Veterinary Medicine, Department of Microbiology, Immunology ad Preventive Medicine, Iow State University, U.S.A. and included:**

**A- Rigorous training on the use of molecular genetic approach for the laboratory diagnosis of anaerobic diseases caused by different clostridial pathogens. The training focused on:**



**\*\* Application of molecular biology in the diagnosis of black leg disease in cattle and sheep by extraction of the DNA from Clostridial organisms (chauvoei, septicum, perfringens type A, sordelli and novyi) and preparation of DNA probe from Clostridium chauvoei and hybridization of this probe with the DNA template of all examined Clostridial species. In addition to the use of restriction endonuclease enzymes for the digestion of the template DNA.**

**B- Specific training on the use of Western Blot technique and its use for detection of the immunogenic determinants of Clostridium chauvoei and determination of the specific epitopes of this organism.**

**C- Training on the ELISA technique ( indirect and competitive) and the interpretation of the results using computerized ELIA reader.**

**Short term training courses:**

**A- Development of Non-radioactive DNA probe Diagnostic kit for the diagnosis of Brucellosis of livestock in Egypt (July, 27 to August, 17, 1994) Which held at the Animal Reproductive Research Institute , Egypt with the cooperation of the National Research project (NARP), USAID, Egypt.**

**B- National training course on the diagnosis of Viral and Bacterial diseases (November, 19-24, 2000) which**

held at the Sera and Vaccine Research Institute, Egypt under the supervision of the Arab Agricultural Development Organization.

**Certificates for the Attendance Training Courses**

1- **Title**: Serology of Anaerobes of small Ruminants.  
**Agency**: International Development of the Government of the U.S.A. in cooperation with other Governments.

**Year**:1994

2- **Title**: Development of Non-radioactive DNA probe Diagnostic kit for the diagnosis of Brucellosis in livestock in Egypt.

**Agency**: National Research project (NARP) and USAID –Egypt, Agricultural Research center, A.R.Egypt.

**Year**: 1994

3- **Title**: Work shop on the diseases of sheep in Mursa Matrouh, Egypt.

**Agency**: Ministry of Agricultural Fisher, Animal Wealth & Land Reclamation, Agricultural Research center, Animal Health Research Institute, Egypt.

**Year**: 1997

4- **Title**: Diagnosis of Viral and Bacterial animal diseases .

**Agency**: Arab Organization for the Agricultural Development (AOAD) .

**Year**: 2000

### List of Published Papers

- 1- **A.Zaki; M.T.Shouman and *M.M.El-bardisy*:**  
**Enumeration and Incidence of lecithinase positive  
Clostridium perfringens in local fresh and frozen  
meat.**  
**J.Egyp.Vet.Med.Assoc., V.45 (1), 1985.**
  
- 2- **M.T.Shouman; A.Zaki and *M.M.El-Bardisy*:**  
**Heat resistance of toxigenic stains of Clostridium  
perfringens isolated from fresh and frozen meat.**  
**J.Egyp.Vet.Med.Assoc., V.45 (2), 1985.**
  
- 3- **F.R.El-Seedy; M.Esmail and *M.M.El-Bardisy*:**  
**Effect of some factors on the production of  
haemagglutinine by local strains of Clostridium  
perfringens.**  
**Egyp.Vet.Med.Assoc. V.48 (3), 1988**
  
- 4- **Zeniab M.El-Sayed; F.R.El-Seedy; *M.El-Bardisy*  
and Samia kamel**  
**A Bacteriological Studies of sheep liver  
abscesses.**  
**Vet.Med.J., Giza V.39(1), 1991**
  
- 5- **H.A.El-aal; Fatma Ghanem and *M.El-Bardisy***  
**Studies on infectious abomasitis in calves**  
**Beni-Suef Vet.M.J., 152, 1&2 (1995)**

**6- M.Abd El-Rhaman ; *M.M.El-Bardisy*, G.A.El-Gaber ; Basma Shalaby and H.Tourky**

**Incidence of Clostridial organisms from apparently healthy slaughtered sheep and goats.**

**J.Egyp.Vet.Med.Assoc, v,52 (2), 1992**

**7- Zeniab M.El-Sayed; *M.M.El-Bardisy*; M.Abd El-Rhaman; M.Abd El-Ghani and M.El-Shorbagy**

**Studies on microorganisms causing bovine mastitis wit special reference to anaerobes.**

**Vet.Med.J., Giza,V.40 (2), 1992**

**8- A.M.Edris ; *M.M.El-Bardisy* and M.M.Molusa**

**Studies on Microbial Status of some marketed meat products.**

**Egyp.J.appl.Scie., V.7 (12), 1992**

**9- A.El-Ged; Z.M.El-Sayed; A.Khaled; G.Abd El-Gaber; M.Abd El-Rhaman and *M.M.El-Bardisy***

**Studies on the role of Clostridial organisms and other bacteria in calf diarrhea wih special reference to their susceptibility to some antibacterial agents.**

**Assuit Vet.Scie. V.30(60), 1994**

**10- A El-Ged; A.Khaled ; M.Abd El-Rhaman; G.Abd El-Gaber and *M.M.El-Bardisy***

**Prevalence of Clostridial microorganisms in domestic rabbits.**

**Beni-Suef Vet.Med.Res V.IV (2/1), 1994**

**11- G-Abd El-Gaber; *M.M.El-Bardisy*;  
A.Akeila; H.Tourky and M.Megawary  
Clostridial microorganisms as an  
etiological agents of necrotic dermatitis in Chickens  
Beni-Suef Vet.Med.Res.V.IV (2/1), 1994**

**12- G.Abd El-Gaber and *M.M.El-Bardisy*  
Studies on Escherichia coli and  
Clostridium perfringens in Buffalo milk.  
Vet.Med.J., Giza V.42 (2), 1994**

**13- M.Y.El-Dakhakhny; Z.M.El-Sayed; Badwai  
A.Eitta ; M.Ali and *M.M.El-Bardisy*  
Anaerobes in men with Urethirities**

**14-*M.M.El-Bardisy*;M.Abd El-Rhaman; Gehan  
A.Hosny and Gehan Gamil  
Bacteriological and Pathological studies  
on Guinea-pigs infected with gas gangrene Clostridial  
organisms.  
Egyp.J.Comp.Patho.&Clinic.Patho. V.8(2), 1995**

**15-*M.M.El-Bardisy* and M.A.Gabal  
Clostridium chauvoei DNA probe for the  
diagnosis of Black leg disease in cattle and sheep  
7<sup>th</sup> Sci.Congress. Faculty Vet.Med.Assuit,  
Egypt, 1996**

**16- G-Abd El-Gaber; *M.M.El-bardisy* and M.Abd El-Rhaman**

**Effect of liquid growth media an heat on some biological activates of Clostridium chauvoei an its immunological aspects.**

**Alex.J.Vet.Scie., V.12 (1), 1996**

**17- Saad,A; *M.M.El-Bardisy* and M.H.Azzawy**

**Studies on some anaerobic infection In Ducks.**

**Bena Vet.Med.J. V.8 (1), 1997**

**18- *M.M.E-Bardisy* and M.A.Gabal**

**Use of Western Blot technique for detection Of the immunogenic determinants of clostridium chauvoei whole cellular antigen**

**Vet.Med.J.Giza, V.46 (2), 1998**

**19- A.Azzam and *M.M.El-Bardisy***

**Further studies on Ulcerative and Necrotic enteritis in chickens.**

**Beni-Suef Vet.M.Rese.V III (2), 1998**

**20- El-Azab; *El-Bardisy,M.M* and Tawfiek,S.I**

**Effect of propylene glycol and some antibiotics on the sperm viability and bacteriological quality of frozen buffalo semen.**

**Zag.Vet.Med.J.V.26(2), 1998**

**21- M.M.El-Bardisy**  
**A contribution on Clostridial organisms in**  
**Quails.**

**24<sup>th</sup> Arab Vet.Med.congress , 1999**

**22- Ahmed,H.F.; El-Bardisy,M.M and**  
**Ismail,A.M.**

**Potential growth and control of**  
**Clostridium perfringens type (A) during ripening of**  
**Ras Cheese.**

**Alex.Vet.Sci.V.15(4), 1999**

**23- M.M.El-Bardisy; Basma Shalab and**  
**Mervat M.Mahmoud**

**Clostridium perfringens and Rota virus**  
**as causative agents of diarrhea in foals**

**Alex.Vet.Sci. V.15 (4), 1999**

**24- Basma Shalaby Gehan A.Hosny; Rawhia**  
**A.Omran; Ebtehal Abd El-Aty and M.M.El-Bardisy**  
**Gastroenteritis in Dogs**

**Egyp.J.Comp.Patholo.& Clini.Patholo.**  
**V.13 (2), 2000**