

Curriculum Vitae



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NATIONALITY : Egyptian.
DATE OF BIRTH : AGUST 3, 1951.
MARITAL STATUS : Married.

ACADEMIC Status :

- 1) B.V. Medicine and Surgery, June 1975; Fact. Vet. Med., Cairo University; Total Judgment "Very Good".
- 2) M.V.Sc. , Fact. Vet. Med., Cairo Univ. Title of Master Thesis: "Studies on Rift Valley Fever Virus".
- 3) Doctor Med. Vet. From the Veterinary University of Hannover, Germany, with total Predicate: "Very Good"; Title of Doctor Thesis: "Die verwandtshaft ausgewaehlter Influenzaviren von Tier und Mensch" "The Relationship of Some Selected Influenza Viruses of Animal and Man" .

WORKING EXPERIENCE :

1976-1979 : Demonstrator of Microbiology in the Dept. of Microbiology, Fact. Vet. Med. , Cairo Univ.

1979-1980 : Promoted to teaching assistant of Virology, Dept. of Microbiology, Fact. Vet. Med., Cairo University.

1980-1985 : DAAD Candidate for doing Doctor work in Germany (Hanover and Hamburg).

1985-1990 : Lecturer of Virology and Immunology in the Dept. of Microbiology, Fact. Vet. Med., Cairo University.

November, 1990: Assistant Professor of Microbiology (Virology) in the Same Department.

1991-1993 : Teacher of molecular biology topics at the Egyptian Medical Military Academy and supervised Master Thesis on Molecular Biology which was awarded there in 1993.

November, 1995: Professor of Virology, Dept. of Virology, Fact. Vet. Med., Cairo University.

1994-2003 : Seconded to the Animal Health Department at the Public Authority for Agricultural Affairs and Fish Resources (PAAFR), State of Kuwait for work as virology specialist. Teacher in the Institute for Veterinary Assistants at the Public Authority for Applied Education, State of Kuwait.

Aug. 2003 to : Assigned to a job: Chairman of the Department of Virology, Fact. Vet. Med., Cairo University.

October 2008

First Nov., 2008: Promoted to a Job as Vice Dean for Postgraduate Studies & Research.

To 3rd of August 2011

MEMBERSHIPS IN SCIENTIFIC SOCIETIES and Associations:

- 1) Member of the Egyptian Veterinary Medical Association, Cairo, Egypt, from 1975 till now..**
- 2) Member of Egypt Veterinary Syndicate.**
- 3) The American Association of Veterinary Laboratory Diagnostician, 1993.**
- 4) Member of the Supreme Scientific Board for Zoonotic Diseases at the Ministry of Public Health, State of Kuwait, from 1995 to end of June 2003.**
- 5) Member of the Egyptian Association of Immunologists since September 2003.**
- 6) Member of the Editorial Board of the Egyptian Society of Virology (ESV) since 2004.**
- 7) Member of the Higher National Scientific Council, Egypt for control of Avian Influenza since 2005.**

Academic Work and Other Activities:

- 1) Taached the Virology and Immunology courses for the undergraduate students of Veterinary Medicine.**
- 2) Teaching responsibility for postgraduate students in Virology and Immunology in both Egyptian Veterinary and Medical Faculties .**
- 3) Prepared a laboratory Manual titled: Basic Exercises in Veterinary Virology. This manual was mainly for training courses in Vet. Virology for postgraduate students (1986) .**
- 4) Shared in preparing a Manual of "Diagnostic Virology" for postgraduate students in Vet. and other biomedical studies (1990) .**

5) Participated as a senior investigator in joined American-Egyptian Project "216" on Rinderpest and allied diseases from October, 1985 to October, 1990.

6) Participated also in the American-Egyptian Research Project (CAV MI 354 AN 03) on "The Effect of Specified Environmental Factors on the Immune System of Chickens" from October , 1988 till 1993 (Principal Investigator is Prof. Dr. Imail M. Reda) .

7) Peace Fellowship member in the Food Animal Health Research programme in Ohio , Wooster, USA, and did some work on the production and characterization of Monoclonal Antibodies to different Bovine Coronaviruses, at the period from 10 th of September to 29th of January , 1990.

8) Did some cooperative investigation on the subcloning of VP1 gene of Food & Mouth Disease (FMD) virus in Plasmids (pBR 322 and pGEM) and used it as positive for the polymerase Chain Reaction (PCR), Kimron Veterinary Institute, Beit Degan, Israel 1990.

9) Did 7 months research programme at the University of Florida (from 9th of July, 1993 to end of January , 1994) on the cloning and high level expression of msp1 α gene of *Anaplasma marginal* using PET-9a Vector. This mission has been executed within the frame of the New Initiative Component of National Agricultural Research Project (NARP), under project title: "*Control of Anaplasmosis and Babesiosis in Egypt Through Biotechnology*".

10) Prepared a study and manual on "*Strategic Plan for Controlling Microbiological Factors Affecting Quality of Animal Products in the State of Kuwait*". This study had been conducted in 1994-1995 in favor of the Animal Wealth Development Project in cooperation with the Kuwait Institute for Scientific Research (KISR) and sponsored by the Kuwait Foundation for the Advancement of Science (KFAS).

11) Represented State of Kuwait in the Regional Conference on "*Support for Rinderpest Surveillance in West Asia*" which was held in Sanaa, Yemen in 1998. This mission was in favor of the Joint FAO/IAEA collaboration programme for Global Rinderpest Eradication and within the frame of the Model Regional Project No. RAW/5/004.

12) Participated in the Organizing and Scientific Committees for the **"International Conference on Veterinary Medicine and Human Health in the 21st Century"** which was held in the State of Kuwait, October 19-21, 1998.

13) Presented lectures on some special topics like:

- a. **"Role of Laboratory Services in Animal Disease Surveillance"**. This lecture has been given during a workshop on Animal Diseases held in the State of Kuwait in 1996 within the context of RADISCON "Regional Animal Disease Surveillance and Control Network" programme.
- b. **"Foot and Mouth Disease, a Threatening Disease To Dairy Cattle in the State of Kuwait"**, Feb. 2001.
- c. **"Epidemiology of Haemorrhagic Fevers in Animals"**, July 2002 in collaboration with the Supreme Scientific Board of Zoonotic Diseases, Ministry of Public Health, State of Kuwait.
- d. **"Mad Cow Disease: A Newly Emerging Pathogen Threatening Human and Animal Health"**, it was a comprehensive lecture on Transmissible Spongiform Encephalopathy (TSE) given during leave-taking ceremony in the State of Kuwait, June 2003.
- e. **"Rift Valley Fever: A Continuously Emerging Hazard Threatening Human and Animal Life"**, a lecture which was held at the National Research Center (NRC) on the 9th of September, 2003, Egypt.
- f. **"Avian Influenza : A Potential Threat To Human Health"**, a lecture which has been presented in the State of Kuwait, at the Public Authority for Agricultural Affairs and Fish Resources (PAAFR) , 21st of Feb. 2004. Same Lecture was given in a seminar on Avian Influenza held at the NRC, on the 10th of March 2004, Egypt.
- g. Scientific Consultancy to EgyVet – VACSERA, Ministry of Health & Population since November, 2007.

Important Prizes and Certificates:

1. I have been awarded the National Encouraging Prize (of Prof. Dr. Sabban Virus Diseases Prize) for year 1992, from the Egyptian Academy of Science and Technology, Ministry of Higher Education and Scientific Research.
2. Certificate of attendance of Course in "BASIC RADIATION SAFETY" for use of Radionuclides at the University of Florida, in August 1993.
3. Certificate of attendance and completion of a practical training programme in "*Molecular Biology of Infectious Diseases*" accomplished at the University of Florida from July, 1993 to January, 1994.
4. Certificate in RISK ANALYSIS for attending a two week training programme in "*Risk Analysis for Animal Health*", Kuwait – April-May 2002.

LIST OF PUBLICATIONS

Dr. Ahmed Abd El-Ghani El-Sanousi
Professor, Dept. of Virology, Faculty of Veterinary Medicine,
Cairo University, 12211 Giza, Egypt

1. El-Sanousi, A. and R. Dernick (1984):

Antigenic differences of the haemagglutinin of Influenza A viruses: A/Hong Kong/1/68, A/Equine/1/63 and A/Duck/1/63 detected by monoclonal antibodies. Zbl. Bakt. Hyg. A(258): 506.

2. Kheir Eldin, A.M.W. and El-Sanousi, A. (1986):

Infectious stunting and runting syndrome (Heleocopter Disease). I. Clinical investigation, isolation and identification of the possible aetiological agent. J. Egypt. Vet. Med. Ass. 46(3): 283-294.

3. Madboly, H.M.; A. El-Sanousi; K.M. Osman; O.A. Osman; M.S. Saber and I.M. Reda (1987):

Preliminary studies on the application of some recent techniques in the detection of rinderpest viral antigens and antibodies. Assuit Vet. Med. J. 18(36): 88-94.

4. Kheir Eldin, A.M.W.; N. Hassan and A. El-Sanousi (1987):

Histopathological studies on avian reovirus associated with runting syndrome. Vet. Med. J. Giza 35(2): 283-290.

5. El-Sanousi, A.; M.S.A. El-Shahedy; H.B. Hassan; and M.S. Saber(1989):

Susceptibility of different cells to different strains of IBR virus. J. Egypt. Vet. Med. Ass. 49(1/2): 353-367.

6. Hassan, H.B.; A. El-Sanousi; M.A. El-Trabili; M.M. Fathia; N.N.K. Ayoub; G.F. El-Bagoury and A.A. Moussa (1989):

Serological survey for neutralizing antibody to bovine diarrhea virus in Egypt. J. Egypt. Vet. Med. Ass. 49(1/2): 381-388.

7. Soliman, A.M.; A. El-Sanousi; A.M. Abd El-Ghany; S.A. El-Atrash; I.M. Reda and M.S. Saber (1989):

Detection and distribution of parvovirus in different organs of experimentally infected puppies. J. Egypt. Vet. Med. Ass. 49(1/2): 369-380.

8. Hegazi, A.G.; A. El-Sanousi and A.M.W. Kheir Eldin (1989):

Influence of locally isolated avian reovirus KS/86 on antibody response and delayed hypersensitivity of chickens vaccinated with Newcastle disease virus. J. Egypt. Vet. Med. Ass. 49(1/2): 731-740.

9. El-Sanousi, A.; D.G. Abo El-Hassan; R.M. Arab; M.A. Shalaby; M.S. Saber and I.M. Reda (1989):

An outbreak of rinderpest-like disease among Egyptian wild Rams (*Ammotragus lervia*) in Cairo Zoo-Garden. Vet. Med. J. Giza 37(2): 261-280.

10. El-Sanousi, A.; H.M. Madboly; M.S. Saber; D.G. Abo El-Hassan; M.A. Shalaby; O.A. Osman and I.M. Reda (1989):

Application of some recent techniques for the detection of rinderpest viral antigens and antibodies in field samples. J. Egypt. Vet. Med. Ass. 49(3): 905-925.

11. Osman, O.A.; N.A. ElDanaf; A.A. Moussa; H.M. Madboly; A. El-Sanousi; M. Moaz; Ikram A. Karim; M.M. Fathia; E. Nafie; M.A. Shalaby; M.S. Saber and I.M. Reda (1989):

Use of neutralization test for the detection of herd immunity against rinderpest among farm animals. J. Egypt. Vet. Med. Ass., 49(4): 1141-1149.

12. Ahmed El-Sanousi (1990):

Dot-based enzyme immunoassay for detection of canine parvovirus antigen(s) in faecal samples of living dogs and organs of dead and stillbirth puppies. Vet. Med. J. (Giza), 38(1): 63-76.

13. Ikram A. Karim; A. El-Sanousi; Nawal M.A. Youssef and I.M. Reda (1990):

Detection of coronavirus antigen in faecal samples obtained from newborn buffalo calves. Vet. Med. J. Giza 38(1): 77-85.

14. Moussa, A.A.; M.S. Saber; E. Nafie; M.A. Shalaby; N.N. Ayoub; S. El-Nakshaly; A.Y. Mohsen; H.M. Madboly; A. El-Sanousi; M.M. Fathia; A. Sami; I. Allam and I.M. Reda (1990):

Serological survey on the prevalence of bovine herpes 1 (BHV1) in domestic animals in Egypt. Vet. Med. J. Giza 38(1): 87-94.

15. Madboly, H.M.; A. El-Sanousi; Ikram A. Karim and I.M. Reda (1990):

Comparison between enzyme-linked immunoassay and haemagglutination-inhibition test for detecting Newcastle disease antibodies. Proc. 2nd Scientific Conference of the Egypt. Vet. Poultry Ass., 12-14 March (Dokki-Cairo), pp. 52-57.

16. El-Sanousi, A.; G.F. El-Bagoury; A.M. El-Ged; A. Khaled; M.M. Fathia; A.M. Sami and M.S. Saber (1990):

Growth curve of BVD viral infectivity as measured by some recent techniques. Vet. Med. J. Giza 38(2): 259-270.

17. El-Sanousi, A.; G.F. El-Bagoury; A.M. El-Ged; A. Khaled; M.M. Fathia; and M.S. Saber (1990):

Validity of SPA in quantal assay of antibodies to BVD in field serum samples. Vet. Med. J. Giza 38(2): 271-282.

18. Hussein A. Hussein, Shalaby, M.A., EL- Sanousi, A. and Reda, I.M. (1991):

The suppressive effect of Marek's disease virus vaccine (Rispen strain) on the Immune response of chicken to Newcastle disease vaccination. Poster in WACID,91-3-6, Feb, 1991, Furusato-Japan.

19. Shalaby, M.A.; R.S. Abd El-Hamid; A. El-Sanousi; A.M. Sami; M.A. Fadaly; G.F. El-Bagoury and I.M. Reda (1991):

Some studies on bovine coronavirus infection among newborn calves in Egypt. J. Egypt. Vet. Med. Ass. 51(1/2): 455-466.

20. Youssef, H.M.; A.M. Sami; A. El-Sanousi; M.S. Saber and I.M. Reda (1991):

A localized outbreak of rinderpest in Egyptian buffaloes in 1990. Vet. Med. J. Giza 39(1): 57-69.

21. Tolba, S.; I.M. Reda; S. El-Asely; E. El-Ebiary; A. El-Sanousi and N. Barhouma (1991):

Studies on infectious laryngotracheitis virus. I. Effect of routes for inoculation on virus titer. Assiut Vet. Med. J. 25(49): 75-81.

22. Tolba, S.; I.M. Reda; S. El-Asely; E. El-Ebiary; A. El-Sanousi and N. Barhouma (1991):

Studies on infectious laryngotracheitis virus. II. The effect of incubation temperature on the pathogenicity of I.L.T. virus (for chicken embryos inoculated by allantoic route). Assiut Vet. Med. J. 25(49): 82-86.

23. Madbouly, H.M.; A. El-Sanousi; M.S. Saber; G.F. El-Bagoury; N.A. Abd El-Bar; M. El-Tarabily and I.M. Reda (1992):

Infectious bursal disease virus infection among Egyptian poultry flocks. I. Detection and isolation of the virus. Vet. Med. J. Giza 40(2): 55-62.

24. El-Sanousi, A.; H.M. Madbouly; G.F. El-Bagoury; M. El-Tarabily; N.A. Abd El-Bar; S. El-Nakashly; M.S. Saber and I.M. Reda (1992):

Infectious bursal disease virus infection among Egyptian poultry flocks. II. Physico-chemical characterization of isolated viruses. Vet. Med. J. Giza 40(2): 63-72.

25. Shalaby, M.A.; A. El-Sanousi; A.H. Hussein; A.M. Sami; H.M. Madbouly and I.M. Reda (1992):

The immune suppressive effect of Marek's disease virus vaccine (Rispen strain) on the immune response of chickens to Newcastle disease virus vaccine. Vet. Med. J. Giza 40(2): 73-81.

26. Shalaby, M.A.; A. El-Sanousi; G.F. El-Bagoury; A.M. Sami; Rawhia Omran; A.A. Hegazi; M.S. Saber and I.M. Reda (1992):

Effect of bovine virus diarrhoea on the immune response of Egyptian buffalo calves. Vet. Med. J., 40(3): 101-110.

27. Shalaby, M.A.; S.M. Saleh; S. El-Atrash; A.M. Sami; A.El -Sanousi; M.S. Saber and I.M. Reda (1992):

Application of Corynebacterium cutis lysate as an immune stimulant in cattle. Mol. Biother., 4: 147-150.

28. Kheir Eldin, A.M.W.; A. El-Sanousi; M.B. El-Begawey and G.A. Abdel-Alim (1992):

Reovirus associated runting and stunting syndrome and the effect of vitamin C on the experimentally reproduced disease. Proc. 2nd Cong. Fact. Vet. Med, Cairo University, pp. 79-88.

29. Refai, M.K.; A. El-Sanousi; S.M. Gergis; S. Abdel Hamid and M. Hashad (1993):

Experimental Afla- and Ochratoxicosis in chickens vaccinated with fowl cholera vaccine. I. Impairment of cell-mediated immunity and phagocytic function. J. Egypt. Vet. Med. Ass. 53(1/2): 227-233.

30. Refai, M.K.; S.M. Gergis; A. El-Sanousi; S. Abdel Hamid and M. Hashad (1993):

Experimental Afla- and Ochratoxicosis in chickens vaccinated with CU fowl cholera vaccine. II. Influence on humoral response and resistance to challenge with virulent *P. multocida* organism. J.Egypt.Vet. Med. Ass. 53(1/2): 235-241.

31. Saleh, S.M.; A.M. Abd El-Ghany; M.S. Saber; A. El-Sanousi and I.M. Reda (1993):

Enhancement of lymphocytes in the blood of buffalo calves treated with BCG and Livamisole. J. Egypt. Vet. Med. Ass., 53(1/2): 199-209.

32. Shalaby, M.A.; A. El-Sanousi; M.M. Yehia; A. Nasser and I.M. Reda (1993):

The effect of Salinomycin on the immune response of chicks. Dtsch. tieraeztl. Wschr., 100 (Heft 5): 182-185.

33. Mohab, Awad; A.M. Sami; A. El-Sanousi; N.M. Barhoma; Salwa El-Assily; Ensaf M. Khashabah; FekriaEl-Bordiny; Nadia M. Has; Afaf H.A. Abdel Hadand I.M. Reda (1993):

Studies on the development of Newcastle disease killed vaccine. Vet. Med. J. (Giza), 41(1): 5-12.

34. Saber, M.S.; E.K. Nafie; A.A. Moussa; M.A. Shalaby; A. El-Sanousi; A.M. Sami; H.B. Hassan; Nawal M. Ali; Hadia A Mousa and I.M. Reda (1993):

The present status for lumpy skin disease (LSD) in some Egyptian governorates. 2nd Sci. Cong., Egyptian Society for Cattle Diseases, pp. 5-7 Dec., 1993, Assiut, Egypt.

35. Saad, F.E.; Manal A. Afify; A. El-Sanousi and M.A. Hamouda (1993):

The effect of drinking water administration of the non-specific immunostimulant "Ultracorn" on chickens' immune response. Proc. 3rd Sci. Conf. Egypt. Vet. Poult. Assoc., pp. 53-63.

36. Madbouly, H.M.; A. El-Sanousi; M.S. Saber; G.F. El-agoury; N.A. Abdel El-Bar; A. El-Batrawi; Elham El-Khashab and I.M. Reda (1994):

Growth curve kinetics of two Egyptian isolates of IBDV beside reference one in CEF cells. Beni-Suef Vet. Med. Res., IV(1/1): 22-32.

37. El-Sanousi, A.; H.M. Madbouly; M.S. Saber; G.F. El-Bagoury; N.A. Abdel El-Bar; A. El-Batrawi and I.M. Reda (1994):

Infectious bursal disease virus infection among Egyptian flocks. III. Antigenic characterization of IBDV by the antigen-capture ELISA (AC-ELISA) using monoclonal antibodies (MAbs). Beni-Suef Vet. Med. Res., IV(1/2): 300-308.

38. El-Sanousi, A.; Nahed Metwally; Samira El-Kilany; Fadia Fahmy and A. Bakr (1994):

Production and preliminary characterization of monoclonal antibodies to foot and mouth disease virus Egyptian strain. Zag. Vet. J., 22(3): 33-40.

39. El-Sanousi, A.; G. Eid; R.T. Soliman; M. Shaaban and A.M. Agag (1994):

Estimation of the haemolytic activities of camel complement. Vet. Med. J. (Giza), 42(3): 17-24.

40. Zaki, M.M. and A. El-Sanousi (1994):

Chicken anaemia agent in Egypt. I. A serological survey of antibody against chicken anaemia agent in some commercial chicken flocks using indirect immunofluorescence technique. Vet. Med. J. (Giza), 42(3): 53-58.

41. Nawal, M.A. Youssef; A. El-Sanousi; M.M. Fathia; M.A. Shalaby; A.A. Mousa; S.A.H. Salem; M.S. Saber and S.M. Saleh (1994):

Estimation of rotavirus antibodies in vaccinated cattle and their neonates. Vet. Med. J. (Giza), 42(3): 59-65.

42. El-Sanousi, A.; G.F. El-Bagoury; H.M. Madbouly; G. Eid; A. Khalid; M.A. Khalid; A.M. Sami; M.A. Shalaby; M.S. Saber and I.M. Reda (1994):

Growth behavior and antigenic properties of measles virus in different cell lines. J. Egypt. Vet. Med. Ass., 54(6): 557-565.

43. Hegazi, A.A.; El-Sanousi, A.; Lotfy, M.M.; Hamouda, M.A.; Hassan, H.B.; Hussein, A.H.M. and Abo-Ellail, T.A. (1995a):

Pathological and virological studies on calf mortality. B. Mortalities associated with BVDV infection. J. Egypt. Vet. Med. Ass., 1-2: 493-503.

44. Hegazi, A.A.; El-Sanousi, A.; Lotfy, M.M.; Hamouda, M.A.; Hassan, H.B.; Hussein, A.H.M. and Abo-Ellail, T.A. (1995b):

Pathological and virological studies on calf mortality. A. Mortalities associated with some respiratory viral infection. J. Egypt. Vet. Med. Ass., 1-2: 505-511.

45. Shalaby, M.A.; Ramada, A.N.; Soliman, R.T; El-Sanousi, A. and Hegazi, A. (1995):

Sequential follow up of the immune status of colostrums fed and deprived buffalo calves. J. of Vet. & Anim. Sci., 19: 87-91.

46. Hussein. A. Hussein; Frost, H. A.; EL-Sanousi, A.; Talbot, B.; Shalaby, M. A. and Y. EL-Azhary (1995):

P-Typing of bovine group A rotavirus by Restriction Fragment Length polymorphisn (RFLP) in the Variable sequence of the VP4 gene. **Postor 42 in the 76th Annual Meeting of the Conference of Research Workers in Animal Diseases – Chicago- illinois, USA.**

47. El-Sanousi, A.; Gamal Eid and Anthony F. Barbet (1998):

High-Level Expression of Undegraded Recombinant *Anaplasma marginale* MSP1a Protein with Immunoreactive Neutralization-Sensitive Epitope. In: International Conference on Veterinary Medicine and Human Health in the 21st Century, October 19-21, State of Kuwait, PP.26, 1998.

48. Hussein, A.H; El-Sanousi, A.; Youssif, A.A; Shalaby, M.A; Saber, M.S and Reda, I.M (2004):

Sequence Analysis of Fusion and Matrix Protein Genes of the Velogenic Viscerotropic Newcastle Disease Virus Egyptian Strain sr/76. In the First International Conference of Virology "Towards A Better Strategy for Control of Viral Diseases", 7-8 December, 2004, Cairo, Egypt. Page 65.

49. El-Sanousi, A. (2005):

Avian Influenza: Historical, Virological and Epidemiological Aspects. A
Review Article. Egyptian J. Virol., Vol. 2 : 1-12.

50. Hussein, HA ; Saber, MS; Shalaby MA.; EL-Sanousi, A.; and Reda IM ((2006):

Cloning and expression of bovine viral diarrhea genes corresponding Npro and Erns regions in a baculovirus expression system. In 4TH International Veterinary Vaccines and Diagnostics Conference Oslo-Norway.

51. Hussein, HA; Amer, HM; Saber, MS; EL-S Sanousi, A.; and MA. Shalaby (2006):

Cloning and expression of bovine coronavirus genes in baculovirus expression system. In 4TH International Veterinary Vaccines and Diagnostics Conference, Oslo-Norway.

52. El-Sabagh, IM; Hussein, HA; Amer, HM; El-Sanousi, A.; Reda, IM and Shalaby, MA (2007):

Construction of a recombinant baculovirus expressing the major capsid protein (VP6) of bovine rotavirus. Arab J. Biotech., Vol. 10, No. (2) July: 369-384.

53. Amer, HM; Hussein, HA; El-Sabagh, IM; El-Sanousi, A.; Saber, MS and Shalaby, MA (2007):

Expression of the bovine coronavirus spike glycoprotein subunits in insect cells using recombinant baculoviruses. Arab J. Biotech., Vol. 10, No. (2) July: 385-398.

54. Bassiouny A.I., Aboulsoud E.A., Hussein A. Hussein, Soliman S.M. and El-Sanousi A.A. (2007):

Trials For Preparation Of Enhanced Live Attenuated Camel Pox Virus Vaccine. Egyptian Journal of Virology, December, 2007.

55. Taha, M.M.; Ali, A.M.; Nassif, S.A.; Khafagy, A.; Elham A. Elebiary; Arwa El-Nagar; Lamia Omar and A. El-Sanousi (2008):

Evolution of new escape mutant highly pathogenic avian influenza H5N1 viruses with multiple nucleotide polymorphisms in Egypt. In The Second International Conference of Virology "Emerging and Exotic Viral Infection: Challenging Threats of Human, Animal and Plant Health", 5th and 6th April, 2008.

56. Hussein, H.A.; Sultan, H.A.; El-Deeb, A.H. and A. El-Sanousi (2008):

Possible Causes of Re-emerging outbreaks of H5N1 avian influenza virus in vaccinated chickens in Sharkia Governorate in Egypt. In The Second International Conference of Virology "Emerging and Exotic Viral Infection: Challenging Threats of Human, Animal and Plant Health", 5th and 6th April, 2008. Egyptian J. Virol., Vol. 5(1): 74-87, 2008.

57. El-Sabagh, I.M.; Hussein, H.A.; Amer, H.M.; El-Sanousi, A.; Reda, I.M. and M.A. Shalaby (2008):

Synthesis of the bovine rotavirus major neutralizing antigen (VP7) using a baculovirus expression system. In The Second International Conference of Virology "Emerging and Exotic Viral Infection: Challenging Threats of Human, Animal and Plant Health", 5th and 6th April, 2008.

58. Amer, H.M.; Hussein, H.A.; El-Sabagh, I.M.; El-Sanousi, A.; Saber, M.S. and M.A. Shalaby (2008):

Baculovirus expression of the bovine coronavirus nucleocapsid protein in *Spodoptera Frugiperda* insect cells. In The Second International Conference of Virology "Emerging and Exotic Viral Infection: Challenging Threats of Human, Animal and Plant Health", 5th and 6th April, 2008.

59. Saber, M.S.; El-Sanousi, A.; Daoud, A.M.; Samira, E.K. Ismail and Sonia, A.M. (2008):

Studies of the preparation of an improved foot and mouth disease oil Vaccine. In The Second International Conference of Virology "Emerging and Exotic Viral Infection: Challenging Threats of Human, Animal and Plant Health", 5th and 6th April, 2008.

60. Hussein, H.A.; Sabra, A.H.; Okaasha, A.S.; Amer, H.M.; El-Sabagh, I.M.; El-Deeb, A.H.; El-Sanousi, A.; Shalaby, M.A.; Saber, M.S. and I.M. Reda (2008):

Molecular epidemiology of West Nile Virus in arthropod vectors and birds in Egypt. In The Second International Conference of Virology "Emerging and Exotic Viral Infection: Challenging Threats of Human, Animal and Plant Health", 5th and 6th April, 2008.

61. Mady, W.H.; A.A. El-Sanousi; H.M. Amer; I.M. El-Sabagh; A.M. Khafagy and M.S. Saber (2010):

First Year of the Highly Pathogenic Avian Influenza H5N1 Outbreak in Egypt: Rapid Antigenic/Molecular Diagnosis and Virus Isolation. International Journal of Virology, Vol 6(2): 72-82.

62. Haitham, M. Amer; Asmaa, K. Shaltout ; Ibrahim M. El-Sabagh; Ahmed, A. El-Sanousi and M.A Shalaby (2011):

Prevalence of Equine Herpes Viruses 1, 2, and 4 in Arabian Horse Population in Egypt. African Journal of Microbiology Research, Vol. 5(27): 4805-4811

63. Hussein, H.A; El-Deeb, A.H. and A.A. El-Sanousi (2011):

Isolation and Characterization of H3N8 Equine Influenza Virus Associated with 2008 EI Outbreak in Egypt. Egyptian J. Virol., Vol. 8: 1-12.

64. Ola, A. Khader; A. Arafa; Hassan M.K.; A. El-Sanousi and M.A. Shalaby (2011):

Variability of Hemagglutinin Cleavage Site (HACS) Among Avian Influenza H5N1 Egyptian Viruses. Egypt. Egyptian J. Virol., Vol. 8: 13-29.

65. Ahmed B. M.; Hussein, H.A. and Ahmed, A. El-Sanousi (2011):

Phylogenetic Analysis of the Egyptian Equine Influenza Virus (A/Equine/Egypt/VRLCU/2008 (H3N8)). Egypt. Egyptian J. Virol., Vol. 8: 53-72.

66. Bazid, A.I.; Hussein, H.A.; El-Sabagh, I.M.; Balal, S.S. and Ahmed, A. El-Sanousi (2011):

Molecular Detection of FMD Serotypes O and A Prevalent in Year 2009 in Egypt Using Different RT-PCR Assays. Egypt. Egyptian J. Virol., Vol. 8: 125-142.

67. Hagag, N.M.; A. Arafa; M.A. Shalaby; A.A. El-Sanousi and M.M. Aly (2012):

Comparative Detection of H5N1 Avian Influenza Virus using Conventional RT-PCR and Real Time RT-PCR. International Journal of Virology, Vol. 8(2): 203-2013 (2012).

68. Rania Aly; El-Sanousi, A. and Susan, S. El-Mahdy (2012):

Laboratory Evaluation of Live Recombinant HVT-IBD Vaccine. Report and Opinion, 2012;4:(4).

69. Radwan, M. M.; Darwish, S. F.; El-Sabagh, I. M.; El-Sanousi, A. A. and Shalaby M. A. (2013):

Isolation and molecular characterization of Newcastle disease virus genotypes II and VIII in Egypt between 2011 and 2012. Virus Genes (2013) 47:311–316
DOI 10.1007/s11262-013-0950-y

70. Kilany, W.H; Aly, M.M; El-Sanousi, A.A; and El-Khashab, E.F (2013):

Protective Efficacy of Two Inactivated Vaccines Against Challenge with 2008 and 2010 Representative HPAI Viruses under Field Condition. Animal Health Research Journal, Vol. 1 (No. 1), pp. 57-68, March 2013.

71. Walid H. Kilany, Aly M.M, El-Sanousi A.A, E.F. El-Khashab (2013):

Isolation and Identification of HPAI from Fertile Egg Derived from Broiler Breeder Farm after Natural Vaccination Breakage during 2010 in Egypt. Animal Health Research Journal, Vol. 1 (No. 3), pp. 6-16, September 2013.

72. Karim Selim, Abdel Satar Arafa, Hussein A. Hussein, Ahmed A. El-Sanousi (2013):

Molecular characterization of infectious bronchitis viruses isolated from broiler and layer chicken farms in Egypt during 2012. International Journal of Veterinary Science and Medicine (2013) 1, 102–108.

73. Hagag, N.M.; A. Arafa; M.H El-Husseiny; M.M. Aly; A.A El-Sanousi and M.A Shalaby (2014):

Molecular Characterization of Highly Pathogenic Avian Influenza H5N1 in Ostrich. International Journal of Virology, Vol. 10(2): 103-111, 2014.

74. Hagag, N.M.; A. Arafa; M.H El-Husseiny; M.M. Aly; A.A El-Sanousi and M.A Shalaby (2014):

Molecular Characterization of PB2 Gene of Highly Pathogenic Avian Influenza H5N1 in Egypt. International Journal of Virology, Vol. 10(2): 143-149, 2014.

75. Ayatollah I Bassiouny; Soad M Soliman; H.A. Hussein; T.R Aboelnaga and A.A El-Sanousi (2014):

Isolation of Camel Pox Virus in Egypt. International Journal of Virology, Vol. 10(2): 150-156, 2014.

76. Ayatollah I Bassiouny; Soad M Soliman; H.A. Hussein; M.A Rohiam and A.A El-Sanousi (2014):

Sequence Analysis of Camel Pox Virus Isolated in Egypt. International Journal of Virology, Vol. 10(2): 121-128, 2014.

77. Ahmed, B.M; Hussein, H.A and A.A, El-Sanousi (2014):

Immunogenicity of DNA Plasmid Expressing HA1 of (A/Equine/Egypt/VRLCU/2008 (H3N8)) Equine-2 Influenza Virus in Wistar Rat Model. International Journal of Virology, Vol. 10(1): 63-69, 2014.

78. Omar M. Yousef; Mohamed El Raaey; Tamer H. El shaarawy; Ahmed A. El Sanousi and Mohamed A. Shalaby (2014):

Primary Screening Of Antiviral Potential Of Quercus Ilex (Wood) Extract Against BVDV, A Pestivirus Model Of Hepatitis C Virus. International Journal of Virology, Vol. 10(2): 112-120, 2014.

79. Omar M. Yousef; Mohamed El-Raey; Ahmed A. El Sanousi and Mohamed A. Shalaby (2014):

In-vitro primary evaluation of antiviral activity of crude extract of Quercus ilex L. against Amantadine resistant Orthomyxovirus. International Journal of Virology, Vol. 10(1): 17-27, 2014.

80. A.I. Bazid, H.A. Hussein, S.S. Balal, A.A. EL-Sanousi and B.M. Ahmed (2014):

Phylogenetic Analysis of Foot and Mouth Disease Virus Type O in Egypt (2009). International Journal of Virology, Vol. 10(1): 28-36, 2014.

81. Mohamed Sayed Alyan, Mohamed A. Shalaby, Ahmed A. El-Sanousi, Aly Fahmy Mohamed El-Sayed, Rania Ibrahim Shebl (2014):

Antiviral and Anticancer Potentials of Snake and Scorpion Venom Derivatives. Molecular Pharmacology Vol. 2014, Issue 2, pp. 1-11 (Inventi Rapid: ISSN 0976-3856).

82. Walid H. Kilany, Aly M.M, El-Sanousi A.A, E.F. El-Khashab (2014):

Comparative Study to Evaluate the Pathogenicity of six Selected H5N1 Egyptian Viruses Based on HA Gene Analysis and IVPI. Animal Health Research Journal, Vol. 1, 1-10 (In: 2nd Conference of Scientific Association of Animal Health Research Institute, 2-6/2/2014).

83. Hala MF El Miniawy, Kawkab A Ahmed, Ahmed A El-Sanousi and Marwa M Salah Khattab (2014):

Effect of Aflatoxin Induced Immunosuppression on Pathogenesis of H9N2 Avian Influenza Virus. Pak Vet J, Vol. 34(2): 234-238, 2014.

84. Samy, A. A., M. I. El-Enbaawy, A. A. El-Sanous, S. A. Nasef, M. M. Naguib, E. - S. A. M. El-Whab, and H. Hikono (2015):

Different counteracting host immune responses to clade 2.2.1.1 and 2.2.1.2 Egyptian H5N1 highly pathogenic avian influenza viruses in naïve and vaccinated chickens. Veterinary Microbiology, issue In Press, 2015.

85. Yehia, N., A. - S. Arafa, A. A. E. Wahed, A. A. El-Sanousi, M. Weidmann, and M. A. Shalaby (2015):

Development of reverse transcription recombinase polymerase amplification assay for avian influenza H5N1 HA gene detection", Journal of Virological Methods, vol. 223, pp. 45–49, 2015

86. El-Zahed, M. E., A. Arafa, A. A. El-Sanousi, and Shalaby M.A (2015):

Isolation and characterization of avian influenza from different species of ducks in delta region. Egyptian Journal of Virology, vol. 12, issue 1, pp. 1-9, 2015

87. Khalil, A. A., H. A. Hussein, S. K. Tolba, and A. A. El-Sanousi (2015):

Preparation and Evaluation of H9N2 Vaccine Adjuvated with Montanide ISA71 VG", Global Veterinaria, vol. 14, issue 5, pp. 670-674, 2015