

Curriculum Vitae



Dr. Ahmed Abd El-Ghani El-Sanousi
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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 verwandtschaft ausgewählter 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, Fac. Vet. Med. , Cairo Univ.

1979-1980 : Promoted to teaching assistant of Virology, Dept. of Microbiology, Fac. 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, Fac. 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, Fac. 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, Fac. 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 Diagnosticians, 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) Taught 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.**

Google Scholar Citations

Dr. Ahmed Abd El-Ghani El-Sanousi

**Professor, Dept. of Virology, Faculty of Veterinary Medicine,
Cairo University, 12211 Giza, Egypt**

10/16/2018

Ahmed A. El-Sanousi - Google Scholar Citations



Ahmed A. El-Sanousi

Fact. Vet. Med.,
Cairo University

Molecular Virology and Biotechnology
Immunology

	All	Since 2013
Citations	246	183
h-index	8	7
i10-index	7	5

TITLE	MERGE	DELETE	EXPORT	CITED BY	YEAR
Assessment of in vitro potency of inactivated Newcastle disease oil-adjuvanted vaccines using hemagglutination test and blocking ELISA. SE Aly, HA Hussein, AHM Aly, MH Abdel-Baky, AA El-Sanousi Veterinary World 11 (9)					2018
Molecular characterization of full fusion protein (F) of Newcastle disease virus genotype VIIId isolated from Egypt during 2012-2016 MS Karim, S Abdullah, A Abdelsatar, AH Hussein, AA El-Sanousi Veterinary World 11 (July-2018), 930-938					2018
Assessment of in vitro potency of inactivated Newcastle disease oil-adjuvanted vaccines using hemagglutination test and blocking ELISA, Veterinary World, 11 (9): 1222-1228 SE Aly, HA Hussein, AM Aly, MH Abdel-Baky, AA El-Sanousi Abstract					2018
Protective efficacy of combined trivalent inactivated ISA 71 oil adjuvant vaccine against avian influenza virus subtypes (H9N2 and H5N1) and Newcastle disease virus ZM Ali, MAEM Hassan, HA Hussein, BM Ahmed, AA El-Sanousi Veterinary world 10 (10), 1212					2017
Molecular and antigenic traits on hemagglutinin gene of avian influenza H9N2 viruses: Evidence of a new escape mutant in Egypt adapted in quails A Adel, A Arafa, HA Hussein, AA El-Sanousi				8	2017

University Scholars List of Publication

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

Adel, A., A. S. Arafa, H. A. Hussein, and E. - S. A. Ahmed, "Molecular and antigenic traits on hemagglutinin gene of avian influenza H9N2 viruses: Evidence of a new escape mutant in Egypt adapted in quails", *Research in Veterinary Science: WB Saunders*, pp. 1-43, 2017.

Weidmann, M., T. Avsic-Zupanc, S. Bino, M. Bouloy, F. Burt, S. Chinikar, I. Christova, I. Dedushaj, A. El-Sanousi, and N. Elaldi, "Biosafety standards for working with Crimean-Congo hemorrhagic fever virus", *Journal of General Virology*, vol. 97, issue 11: Microbiology Society, pp. 2799-2808, 2016.

Samy, A. A., M. I. El-Enbaawy, A. A. El-Sanousi, S. A. Nasef, M. M. Naguib, E. - S. A. M. El-Whab, and H. Hikono, "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*, vol. 183, pp. 103-109, 2016.

Al-Shammari, Z. S., B. M. Ahmed, M. Haroun, A. F. Afify, A. A. El-Sanousi, and M. A. Shalaby, "A First Molecular Phylogeny of an Egyptian Equine Herpesvirus-4 Strain Derived from a Fetal Arabian horse", *J Vet Sci Med Diagn*, vol. 5, pp. 1-4, 2016.

Said, N. M., L. M. Omar, and A. A. El-Sanousi, "The Influence of Different Challenge Doses of Highly Pathogenic Avian Influenza on the Efficacy of Different Avian Influenza Vaccines", *American Journal of Microbiology and Biotechnology*, vol. 3, issue 3, pp. 18-22, 2016.

Samy, A., M. I. El-Enbaawy, A. A. El-Sanousi, S. A. Nasef, H. Hikono, and T. Saito, "Initiation and regulation of immune responses to immunization with whole inactivated vaccines prepared from two genetically and antigenically distinct lineages of Egyptian influenza A virus subtype H5N1", *Archives of virology*, vol. 161, issue 10: Springer Vienna, pp. 2797-2806, 2016.

Naguib, M. M., N. Hagag, A. A. El-Sanousi, H. A. Hussein, and A. - S. Arafa, "The matrix gene of influenza A H5N1 in Egypt, 2006?2016: molecular insights and distribution of amantadine-resistant variants", *Virus genes*, vol. 52, issue 6: Springer US, pp. 872-876, 2016.

Awad, E. M., A. S. Arafa, A. H. El-Deeb, and A. A. El-Sanousi, "Molecular Studies on Infectious Bronchitis Virus Isolated from Broiler Chickens in Damietta Governorate, Egypt", *Zagazig Veterinary Journal (Zag. Vet. J.)*, vol. 44, issue 2, 2016.

Alyan, M. S., M. A. Shalaby, A. A. El-Sanousi, A. F. M. El-Sayed, and R. I. Shebl, "NEW TRENDS IN CANCER THERAPY AND ANTIVIRAL DRUG RESEARCH", *International Journal of Advanced Research*, vol. 4, issue 5: International Journal of Advanced Research (IJAR), ISSN 2320-5407, pp. 698-710, 2016.

Hussein, H. A., B. M. Ahmed, S. M. Aly, A. H. El-deeb, A. A. El-Sanousi, M. A. Rohaim, A. A. Arafa, and M. R. Gadalla, "Protective efficacy of a prime-boost protocol using H5-DNA plasmid as prime and inactivated H5N2 vaccine as the booster against the Egyptian avian influenza challenge virus.", *Acta virologica*, vol. 60, issue 3, pp. 307, 2016.

Yehia, N., A. - S. Arafa, A. A. E. Wahed, A. A. El-Sanousi, M. Weidmann, and M. A. Shalaby, "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.

Al-Shammari, Z. S., M. Haroun, A. A. El-Sanousi, and M. A. Shalaby, "Equine herpesvirus-1 and 4: investigating the disease humoral immunity profile among some Native, Arabian and Foreign horses", *Egyptian Journal of Virology*, vol. 12, issue 1, pp. 29-34, 2015.

El-Zahed, M. E., A. Arafa, A. A. El-Sanousi, and Shalaby M.A, "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.

Khalil, A. A., H. A. Hussein, S. K. Tolba, and A. A. El-Sanousi, "Preparation and Evaluation of H9N2 Vaccine Adjuvated with Montanide ISA71 VG", *Global Veterinaria*, vol. 14, issue 5, pp. 670-674, 2015.

Kilany, W. H., A. M.M, E. - S. A.A, and E. F. El-Khashab, "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, issue 1, pp. 1-10, 2014.

Bassiouny, A. I., S. M. Soliman, H. A. Hussein, T. R. Aboelnaga, and A. A. El-Sanousi, "Isolation of Camel Pox Virus in Egypt", *International Journal of Virology*, vol. 10, issue 2, pp. 150-156, 2014.

Hagag, N. M., A. Arafa, M. H. El-Husseiny, M. M. Aly, A. A. El-Sanousi, and M. A. Shalaby, "Molecular Characterization of Highly Pathogenic Avian Influenza H5N1 in

Ostrich", *International Journal of Virology*, vol. 10, issue 2, pp. 103-111, 2014.

Hagag, N. M., A. Arafa, M. H. El-Husseiny, M. M. Aly, A. A. El-Sanousi, and M. A. Shalaby, "Molecular Characterization of PB2 Gene of Highly Pathogenic Avian Influenza H5N1 in Egypt", *International Journal of Virology*, vol. 10, issue 2, pp. 143-149, 2014.

Bazid, A. I., H. A. Hussein, S. S. Balal, A. A. El-Sanousi, and B. M. Ahmed, "Phylogenetic Analysis of Foot and Mouth Disease Virus Type O in Egypt (2009)", *International Journal of Virology*, vol. 10, issue 1, pp. 28-36, 2014.

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Bassiouny, A. I., S. M. Soliman, H. A. Hussein, T. R. Aboelnaga, and A. A. El-Sanousi, "Sequence Analysis of Camel Pox Virus Isolated in Egypt", *International Journal of Virology*, vol. 10, issue 2, pp. 121-128, 2014.

Alyan, M. S., M. A. Shalaby, A. A. El-Sanousi, A. F. M. El-Sayed, and R. I. Shebl, "ANTIVIRAL AND ANTICANCER POTENTIALS OF SNAKE AND SCORPION VENOM DERIVATIVES", *Inventi Impact: Molecular Pharmacology: Inventi Journals (P) Ltd*, 2014.

Miniawy, H. M. F. E., K. A. Ahmed, A. A. El-Sanousi, M. S. M. Khattab, and others, "Effect of Aflatoxin Induced Immunosuppression on Pathogenesis of H9N2 Avian Influenza Virus", *Pak Vet J*, vol. 34, pp. 234-238, 2014.

Ahmed, B. M., H. A. Hussein, and A. A. El-Sanousi, "Immunogenicity of DNA Plasmid Expressing HA1 of (A/equine/Egypt/vrlcu/2008 (H3N8)) Equine-1 Influenza virus in Wistar Rat Model.", *International Journal of Virology*, vol. 10, no. 1, 2014.

Yousef, O. M., M. El-Raey, A. A. El Sanousi, and M. A. Shalaby, "In vitro Primary Evaluation of Antiviral Activity of Crude Extract of Quercus ilex L. Against Amantadine Resistant Orthomyxo virus.", *International Journal of Virology*, vol. 10, no. 1, 2014.

Kilany, W. H., A. M.M, E. - S. A.A, and E. F. El-Khashab, "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, issue 3, pp. 6-16, 2013.

Kilany, W. H., M. M. Aly, A. A. El-Sanousi, and El-Khashab, "Protective Efficacy of Two Inactivated Vaccines against Challenge with 2008 and 2010 Representative HPAI Viruses under Field Condition", *Animal Health Research Journal*, vol. 1, issue 1, pp. 57-

68, 2013.

Ahmed, A. S., M. I. El-Enbaawy, A. A. G. EL-Sanousi, and S. A. E. A. A. El, "In vitro study of differential cytokine gene expression in response to infection with Egyptian classical and variant strains of highly pathogenic avian influenza virus", *Journal of American Science*, vol. 9, no. 12, 2013.

Radwan, M. M., S. F. Darwish, I. M. El-Sabagh, A. A. El-Sanousi, and M. A. Shalaby, "Isolation and molecular characterization of Newcastle disease virus genotypes II and VIIId in Egypt between 2011 and 2012", *Virus genes*, vol. 47, no. 2: Springer, pp. 311-316, 2013.

Selim, K., A. S. Arafa, H. A. Hussein, and A. A. El-Sanousi, "Molecular characterization of infectious bronchitis viruses isolated from broiler and layer chicken farms in Egypt during 2012", *International Journal of Veterinary Science and Medicine*, vol. 1, no. 2: Elsevier, pp. 102-108, 2013.

Aly, R., A. El-Sanousi, and E. - M. S. Susan, "Laboratory Evaluation of Live Recombinant HVT-IBD Vaccine", *Report and Opinion*, vol. 4, issue 4, pp. 1-11, 2012.

Hagag, N. M., A. Arafa, M. A. Shalaby, A. A. El-Sanousi, and M. M. Aly, "Comparative Detection of H5N1 Avian Influenza Virus Using Conventional RT-PCR and Real Time Rt-PCR.", *International Journal of Virology*, vol. 8, no. 2, 2012.

Hussein, H. A., A. H. El-deeb, B. M. Ahmed, and A. El-Sanousi, "Isolation and Characterization of H3N8 Equine Influenza Virus Associated with 2008 EI Outbreak in Egypt", *Egyptian J. Virol.*, vol. 8, no. 1: Egyptian Society of Virology, pp. 1-12, 2011.

M., A. B., H. A. Hussein, and E. - S. A. Ahmed, "Phylogenetic Analysis of the Egyptian Equine Influenza Virus (A/Equine/Egypt/VRLCU/2008 (H3N8))", *Egyptian J. Virol.*, vol. 8, pp. 53-72, 2011.

Ola, K. A., A. Arafa, H. M.K., A. El-Sanousi, and M. A. Shalaby, "Variability of Hemagglutinin Cleavage Site (HACS) Among Avian Influenza H5N1 Egyptian Viruses", *Egyptian J. Virol.*, vol. 8, pp. 13-29, 2011.

El Miniawy, H. M. F., A. A. G. El-Sanousi, K. A. A. Ahmed, and M. M. S. E. Khattab, "Pathogenesis of low pathogenic strain of avian influenza virus H9N2 in chickens fed on diet containing aflatoxins", *Toxicology Letters*, vol. 205: Elsevier, pp. S147, 2011.

Amer, H. M., A. K. Shaltout, I. M. El-Sabagh, A. A. El-Sanousi, and M. A. Shalaby, "Prevalence of equine herpes viruses 1, 2 and 4 in Arabian horse population in Egypt", *African Journal of Microbiology Research*, vol. 5, no. 27, pp. 4805-4811, 2011.

Degheidy, N. S., H. Y. Hassan, A. A. El-Sanousi, S. A. Salem, E. Beshir, H. A. El-Sadawy, J. Köfer, H. Schobesberger, and others, "Recent trials for diagnosis of bovine ephemeral fever in Egypt.", *Animal hygiene and sustainable livestock production. Proceedings of the XVth International Congress of the International Society for Animal Hygiene, Vienna, Austria, 3-7 July 2011, Volume 1.*: Tribun EU, pp. 447-451, 2011.

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Hussein, H. A., M. A. Shereen, H. A. Sultan, H. M. Samah, A. A. Nada, A. A. El-Sanousi, and others, "Protective immunity induced by co-injection of mixture of Mannan and B-glucan immunostimulant substances with the inactivated bivalent AI-ND vaccine in broiler chickens.", *Veterinary Medical Journal Giza*, vol. 57, no. 4: Faculty of Veterinary Medicine. Cairo University, pp. 649-667, 2009.

Amer, H. M., H. A. Hussein, I. M. El-Sabagh, A. A. El-Sanousi, M. S. Saber, and M. A. Shalaby, "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?*, vol. 10, no. 2, Egypt, Egyptian Society of Virology, 2008.

Taha, M. M., A. I. S. A. Nassif, A. Khafagy, E. A. Elebiary, A. El-Nagar, L. Omar, and A. El-Sanousi, "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?*, Egypt, Egyptian Society of Virology, 2008.

Hussein, H. A., A. H. Sabra, A. S. Okaasha, H. M. Amer, I. M. El-Sabagh, A. H. El-deeb, A. El-Sanousi, M. A. Shalaby, M. S. Saber, and I. M. Reda, "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?*, Egypt, Egyptian Society of Virology, 2008.

Saber, M. S., A. El-Sanousi, A. M. Daoud, I. E. K. Samira, and A. M. Sonia, "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?*, Egypt, Egyptian Society of Virology, 2008.

El-Sabagh, I. M., H. A. Hussein, H. M. Amer, A. El-Sanousi, I. M. Reda, and M. A. Shalaby, "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?*, Egypt, Egyptian Society of Virology, 2008.

El-Sabagh, I. M., H. A. Hussein, H. M. Amer, A. A. El-Sanousi, I. M. Reda, and M. A. Shalaby, "Construction of a recombinant baculovirus expressing the major capsid protein (VP6) of bovine rotavirus", *Arab J. Biotech., Vol. 10, No. (2) July (2007):369-384*, vol. 10, issue 2 , pp. 369-384, 2007.

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