

Resume

Mahmoud M. Ismail D.V.M, M.V.Sc., Ph.D.

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Personal

Born November 28, 1964 Kafrelsheikh, Egypt, Married.

Education

Degree	Institute	Year	Specialty
Ph.D.	The Ohio State University, USA	1997-2001	Veterinary Preventive Medicine, Enteric viruses in poultry, Avian coronaviruses, Avian Immunology and Virology.
MS	Zagazig University, Egypt	1988-1992	Poultry Diseases, Mycotic infections in poultry farms. Isolation and classification of different fungal infections from poultry. Mycotoxins.
DVM	College of Vet. Medicine, Zagazig University, Egypt	1983-1987	Veterinary Medicine

Work Experience

April 2021-till now. Vice Dean for community affairs, College of Veterinary Medicine, Kafrelsheikh University, Egypt

May 2016- April 2021. Head of Poultry Diseases Department, College of Veterinary Medicine, Kafrelsheikh University, Egypt.

October 2009 – May 2016. Professor of poultry diseases, College of Veterinary Medicine and Animal Resources, King Faisal University, Kingdom of Saudi Arabia.

August 2007 – September 2009. Head of poultry diseases section, Central Veterinary Diagnostic Lab., in Riyadh, Ministry of Agriculture, Saudi Arabia. I am responsible for the diagnosis of different poultry diseases like the highly pathogenic avian influenza (HPAI), newcastle disease, infectious bronchitis, infectious bursal disease as well as different bacterial disease like salmonellosis, colibacillosis etc. I have been using The Real Time RT-PCR procedure for the diagnosis of the latest outbreaks of HPAI in Saudi Arabia.

March 2008 – April 2012: Associate professor of poultry diseases. Department of poultry and fish, College of Veterinary Medicine at Kafrelsheikh, Kafrelsheikh University, Egypt.

July 2003 - July 2006. (on Leave from Home University) Poultry diseases consultant in the Ministry of Agriculture, Saudi Arabia, Preparing contingency plan for Avian Influenza in Saudi Arabia.

February 2002 - April 2007. Lecturer (Assistant professor) of poultry diseases. Department of poultry and fish, College of Veterinary Medicine at Kafrelsheikh, Kafrelsheikh University, Egypt.

November 2001 - February 2002. Post-doctoral researcher in Dr. Y. M. Saif's laboratory. Food Animal Health Research Program. Department of Veterinary Preventive Medicine. The Ohio State University, Wooster, Ohio, USA.

1996 – 2001. Ph.D. Candidate, advisor Dr. Y. M. Saif. Food Animal Health Research Program (Veterinary Preventive Medicine). The Ohio State University, Wooster, Ohio, USA. Thesis: Studies on coronaviruses in turkeys.

1992 - 1996. Assistant lecturer, teaching Poultry Diseases in the Department of Poultry Diseases, College of Veterinary Medicine at Kafrelsheikh, Tanta University, Egypt.

1987 - 1992. Graduate research assistant, teaching the laboratory related course of Poultry Diseases in Department of Poultry Diseases, College of Veterinary Medicine, Zagazig University, Egypt.

List of Publications

1. **Mahmoud M. Ismail**, Mahmoud H. Mohamed, Ibrahim M. El-Sabagh, Mohamed A. Al-Hammadi. Emergence of New Virulent Rabbit Haemorrhagic Disease Virus Strains in Saudi Arabia. Tropical Animal Health and Production. (2017) 49: 295. <https://doi.org/10.1007/s11250-016-1192-5>.
2. Mahmoud H A Mohamed, **Mahmoud M. Ismail**, Ibrahim M. El-Sabagh, Abdul Rahman S. Al Ankari. Molecular characteristics of VP2 gene from wild type infectious bursal disease viruses (IBDVs) in Saudi Arabia. Thai J Vet Med. 2017.47(1):45-52
3. AL-QAHTANI, A., MUBIN, M., ALMAJHDI, F., ALARIFI, S., DELA CRUZ, D., REHMAN, M., ISMAIL, M., AHMED, N., AL-BLOWI, M., KHALAK, H., AL-AHDAL, M. Characterization of H5N1 influenza A virus that caused the first highly pathogenic avian influenza outbreak in Saudi Arabia. The Journal of Infection in Developing Countries. 9 (11):1210-1219. (2015).
4. **Mahmoud Moussa Ismail**, and Ibrahim El-sabagh, Abdu-Rahman Al-Ankari. Characterization and Phylogenetic analysis of a highly pathogenic avian influenza H5N1 virus isolated from diseased ostriches (*Struthio camelus*) in Kingdom of Saudi Arabia. Avian Diseases 58:309–312, (2014).
5. Hakamy, A., A. Yousif, M. Zaki, **M. M. Ismail**, A. Al-Ali, and A. Alankari. South-East Asian and Australian Origins of Psittacine Beak and Feather Disease Virus of Captive African Psittacines in Indicate Interspecies Saudi Arabia Transmission. Egyptian Journal of Virology. 10: 212-225 (2013).

6. Alice Fusaro, Isabella Monne, Annalisa Salviato, Viviana Valastro, Alessia Schivo, Nadim Mukhles Amarin, Carlos Gonzalez, **Mahmoud Moussa Ismail**, Abdu-Rahman Al-Ankari, *et al.*, Phylogeography and Evolutionary History of Reassortant H9N2 Viruses with Potential Human Health Implications. *Journal of Virology*, Vol 8. pp. 8413–8421. (2011).
7. **Mahmoud Moussa Ismail**, Owais Ahmed Khan, Giovanni Cattoli, and Huaguang Lu. Isolation and Identification of Highly Pathogenic Avian Influenza Virus Subtype H5N1 in Peafowl (*Pavo cristatus*) *Avian Diseases*: Vol. 54, No. s1, pp. 357–360. (2010).
8. Huaguang Lu, **Mahmoud Moussa Ismail**, Owais Ahmed Khan, Yousef Al Hammad, Salah Shaban Abdel Rhman, and Mohamed Hamad Al-Blowi. Epidemic Outbreaks, Diagnostics, and Control Measures of the H5N1 Highly Pathogenic Avian Influenza in the Kingdom of Saudi Arabia, 2007–08. *Avian Diseases*: Vol. 54, No. s1, pp. 350–356. (2010).
9. Khan O. A, M. A. Shuaib, S.S Abdel Rhman, **M. M. Ismail**, A. Fusaro, F. Annalisa and G. Cattoli. Isolation and identification of highly pathogenic avian influenza virus H5N1 from houbara bustards (*Chlamydotis undulata macqueenii*) and contact falcons. *Avian Pathology* 38: 35-39. (2009).
10. Isabella Monne, Alice Fusaro, Mohamed Hamad Al-Blowi, Mahmoud Moussa Ismail, Owais Ahmed Khan, Gwenaëlle Dauphin, Astrid Tripodi, Annalisa Salviato, Stefano Marangon, Ilaria Capua, and Giovanni Cattoli. Co-circulation of two sublineages of HPAI H5N1 virus in the Kingdom of Saudi Arabia

with unique molecular signatures suggesting separate introductions into the commercial poultry and falconry sectors. *Journal of General Virology* 89, 2691–2697. (2008).

- 11.Tang, Y., Ismail, M. M., and Y. M. Saif. Development of antigen capture-enzyme linked-immunosorbant assay and RT-PCR for detection of turkey astrovirus. *Avian Diseases* 49. 182-188. (2005).
- 12.Ismail, M. M., Y. Tang, and Y. M. Saif. Pathogenicity of turkey coronavirus in turkeys and chickens. *Avian Diseases* 47:515-522.(2003).
- 13.Ismail, M. M., K.-O. Cho, L. A. Ward, L. J. Saif, and Y. M. Saif. Experimental bovine coronavirus in turkey poultts and young chickens. *Avian Diseases* 45:157-163. (2001).
- 14.Ismail, M. M., K.O.-Cho, M. Hasoksuz, L. J. Saif, and Y. M. Saif. Antigenic and genomic relatedness of turkey origin coronaviruses, bovine coronaviruses and infectious bronchitis virus of chickens. *Avian Diseases* 45: 978-984. (2001).
- 15.Yu. M., M. M. Ismail, M. A. Qureshi, R. N. Dearth. H. J. Barnes, and Y. M. Saif. Viral agents associated with poult enteritis and mortality syndrome: the role of a small round virus and a turkey coronavirus. *Avian Diseases* 44:279-304. (2000).
- 16.M. M. Ismail and M. A. El Shorbagy. Seroprevalenc of H9N2 subtype avian influenza in chicken farms in Saudi Arabia. *Kafr El-Sheikh Vet. Med. Journal.* 4: 73-83. (2006).

- 17.Metwally, A. Y. Sabria B. Abou El-Soud, M. M. Ismail and A. M. Hegazy. Studies on ascites in broilers. (3rd Int. Sci. Conf. Mansoura, Egypt. 29-30 April 2003). 427-441.(2003).
- 18.Metwally, A. Y., A. M. Hegazy, M. M. Ismail and A. A. Abou Rawash (2003). Reovirus associated with neonatal hydrocephalus in rabbits. Egyptian J. of Agricultural Research. (Special issue, 2nd scientific congress for provincial laboratories 7-10 September, 2003) 81: 625-641.
- 19.Elshorbagy, M. A., and M. M. Ismail. Some studies on the prevalence rate of *Salmonella* microorganisms in poultry operation system in kingdom of Saudia Arabia (KSA). (The fourth scientific conference for veterinary medical researchers 2-4 October, 2004). Alexandria J. Vet. Science. 21: 186-197. (2004).
- 20.Metwally, A. Y., M. M. Ismail, A. M. Hegazy and H. A. Soliman. Efficacy of a new isolate rabbit hemorrhagic disease virus vaccine. Kafr El-Sheikh Vet. Med. Journal. 4: 45-58. (2006).
- 21.Ismail, M. M., and A. Y. Desouky. The anticoccidial effect of Turmeric and Ginger against *Eimeria tenella*. Kafr El-Sheikh Vet. Med. Journal. 4: 59-72. (2006).
- 22.Ismail, M. M., and A. Y. Metwally. Genomic relatedness of turkey coronaviruses, bovine coronavirus and infectious bronchitis virus of chickens. Kafr El-Sheikh Vet. Med. Journal. 4: 105-118. (2006).

Presentations/Abstracts in scientific Conference

1. Alice Fusaro, Isabella Monne, Annalisa Salviato, Viviana Valastro, Alessia Schivo, Nadim Mukhles Amarin, Carlos Gonzalez, **Mahmoud Moussa Ismail**, Abdu-Rahman Al-ankari, Mohamed Hamad Al-Blowi, *et al.*, Genetic variability and multiple reassortment events in H9N2 viruses circulating in the Middle East and Central Asia. Abstract. "**XVII WVPA Congress**" in Cancun, Mexico. 14-18 August 2011.
2. Alice Fusaro, Isabella Monne, Viviana Valastro, Nadim Mukhles Amarin, **Mahmoud Moussa Ismail**, Owais Ahmed Khan, Ali Safar Maken Ali, Afshin Hedayati, Juan Garcia Garcia, Ilaria Capua, Edward C. Holmes, Giovanni Cattoli. Evolution of H9N2 viruses: implications for human health. Abstract. Fourth ESWI Influenza conference. Malta, 11-14 September 2011.
3. Alice Fusaro, Isabella Monne, Annalisa Salviato, Alessia Schivo, Nadim Mukhles Amarin, Carlos Gonzalez, Mohamed Hamad Al-Blowi; Owais Ahmed khan, **Mahmoud Moussa Ismail**, Ghobashy, Al Qahtani, Ali Safar Maken Ali, Afshin Hedayati, Juan Garcia Garcia, Ghulam M. Ziay, Ilaria Capua, Giovanni Cattoli. Evolutionary dynamics of H9N2 viruses in the Middle East. Abstract. MEEGID X: 10th International Conference on Molecular Epidemiology and Evolutionary Genetics of Infectious Diseases. 3-5 November 2010, Amsterdam, Netherlands.
4. Monne, I.; Fusaro, A.; **Ismail, M. M.**; Al-Blowi, M. H.; Khan, O. A.; Salviato, A.; Schivo, A.; Capua,I.; Cattoli, G. (2009) "Genetic characterisation of H9N2 viruses isolated from the Kingdom of Saudi Arabia"; Abstract. Proceedings of 8th International Congress of Veterinary Virology ESVV, 23-26 August 2009; Budapest, Hungary.

5. Lu, H., **M. M. Ismail**, O. A. Khan, M. H. Al-Blowi. Diagnostics and Control Measures for the H5N1 Highly Pathogenic Avian Influenza Outbreaks in Kingdom of Saudi Arabia, 2007-08. Presentation. The 7th International Symposium on Avian Influenza: "Avian Influenza in Poultry and Wild Birds". Athens, Georgia, USA, 5-8 April 2009.
6. **Ismail, M. M.**, O. A. Khan, G. Cattoli, and H. Lu. Isolation and identification of highly pathogenic avian influenza virus subtype H5N1 in Peafowl (*Pavo cristatus*). Presentation. The 7th International Symposium on Avian Influenza: "Avian Influenza in Poultry and Wild Birds". Athens, Georgia, USA, 5-8 April 2009.
7. **Ismail, M. M.**, K.-O. Cho, L. J. Saif, and Y. M. Saif. Studies on avian coronaviruses. Presentation. 12th International congress of the world veterinary poultry association, Cairo, Egypt. January 28th-February 2nd. 2002.
8. **Ismail, M. M.**, Y. Tang, and Y. M. Saif. Pathogenicity of turkey coronavirus in turkeys and chickens. Presentation. 52nd north central avian disease conference, Grand Rapids, Michigan. USA. September 30th-October 2nd. 2001.
9. **Ismail, M. M.**, K.O.-Cho, Y. Tang, L. J. Saif, and Y. M. Saif. Antigenic and genomic relatedness of turkey origin coronaviruses, bovine coronaviruses and infectious bronchitis virus of chickens. Presentation. 51st north central avian disease conference, Columbus, Ohio. USA. October 8-10. 2000.

- 10.Yu. M., **M. M. Ismail**, M. A. Qureshi, R. N. Dearth. H. J. Barnes, and Y. M. Saif. Studies on the etiology of poult enteritis and mortality syndrome and characterization of a small round virus. Presentation. 50th north central avian disease conference, Minneapolis, Minnesota. USA. October 3-5. 1999.
- 11.**Ismail, M. M.**, K.-O. Cho, R. N. Dearth, L. J. Saif, and Y. M. Saif. Bovine coronavirus infection in chicks and turkey poult. Presentation. 50th north central avian disease conference, Minneapolis, Minnesota. USA. October 3-5. 1999.
- 12.Third international scientific conference, held in College of Veterinary Medicine, Mansoura University, Mansoura, Egypt 29-30 April 2003.
- 13.First scientific conference of College of Veterinary Medicine, Tanta University, Egypt. "Veterinary Medicine and Future Prospects" May, 6-8. 2003.
- 14.First Symposium on Poultry in Kingdom of Saudi Arabia. Organized by the Association of poultry producers in KSA. Mamlaka Tower, Riyadh, KSA. March 7-9. 2004.
- 15.Lectures in many educational and training courses arranged by governmental veterinary authorities to educate public and veterinarians about animal diseases as avian influenza, foot and mouth disease, west Nile fever, Newcastle disease, etc.... and biosecurity in Poultry farms in Egypt and Saudi Arabia.

- 16.Lecture titled (Avian Influenza in Saudi Arabia; highlights on the latest outbreak). International conference of emerging viral diseases in Jeddah, KSA, June, 14-16th. 2008.
- 17.Presentation titled (Role of Veterinary Laboratories in diagnosis of Avian Influenza). Workshop on Avian Influenza organized by Ministry of Agriculture, Riyadh, KSA. January, 25-26th 2009.
- 18.Presentation titled (Isolation and Identification of Highly Pathogenic Avian Influenza Virus Subtype H5N1 in Peafowl (*Pavo cristatus*)). Abstract. The 26th meeting of the Saudi Biological Society.Taif, Saudi Arabia. May 10-12th, 2011.