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### 2017

Azab, A. A., A. Arafa, A. Selim, M. K. Hassan, A. I. Bazid, A. H. Sultan, H. A. Hussein, and E. M. Abdelwhab, "[Pathogenicity of the Egyptian A/H5N1 avian influenza viruses in chickens.](#)", *Microbial pathogenesis*, vol. 110, pp. 471-476, 2017 Sep. [Abstract](#)

Khalifa, M. E., A. H. El-Deeb, S. M. Zeidan, H. A. Hussein, and H. I. Abu-El-Naga, "[Enhanced protection against FMDV in cattle after prime- boost vaccination based on mucosal and inactivated FMD vaccine.](#)", *Veterinary microbiology*, vol. 210, pp. 1-7, 2017 Oct. [Abstract](#)

Ali, Z. M., M. A. E. M. Hassan, H. A. Hussein, B. M. Ahmed, and A. A. E. - G. El Sanousi, "[Protective efficacy of combined trivalent inactivated ISA 71 oil adjuvant vaccine against avian influenza virus subtypes \(H9N2 and H5N1\) and Newcastle disease virus.](#)", *Veterinary world*, vol. 10, issue 10, pp. 1212-1220, 2017 Oct. [Abstract](#)

Milani, A., A. Fusaro, F. Bonfante, G. Zamperin, A. Salviato, M. Mancin, E. Mastrorilli, J. Hughes, H. A. Hussein, M. Hassan, et al., "[Vaccine immune pressure influences viral population complexity of avian influenza virus during infection.](#)", *Veterinary microbiology*, vol. 203, pp. 88-94, 2017 May. [Abstract](#)

Adel, A., A. S. Arafa, H. A. Hussein, and A. A. El-Sanousi, "[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*, vol. 112, pp. 132-140, 2017 Jun. [Abstract](#)

## Recent Publications

[Genotypic and pathogenic characterization of genotype VII Newcastle disease viruses isolated from commercial farms in Egypt and evaluation of heterologous antibody responses.](#) (/?)  
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[Novel real-time PCR-based patho- and phylotyping of potentially zoonotic avian influenza A subtype H5 viruses at risk of incursion into Europe in 2017.](#) (/?)  
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[Molecular and antigenic traits on hemagglutinin gene of avian influenza H9N2 viruses: Evidence of a new escape mutant in Egypt adapted in quails.](#) (/?)  
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[Preparation of mucosal nanoparticles and polymer-based inactivated vaccine for Newcastle disease and H9N2 AI viruses.](#) (/?)  
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Mosaad, Z., A. S. Arafa, H. A. Hussein, and M. A. Shalaby, "[Mutation signature in neuraminidase gene of avian influenza H9N2/G1 in Egypt.](#)", *Virusdisease*, vol. 28, issue 2, pp. 164-173, 2017 Jun. [Abstract](#)

Saad, A. M., A. Samy, M. A. Soliman, A. Arafa, A. Zanaty, M. K. Hassan, A. H. Sultan, A. I. Bazid, and A. H. Hussein, "[Genotypic and pathogenic characterization of genotype VII Newcastle disease viruses isolated from commercial farms in Egypt and evaluation of heterologous antibody responses.](#)", *Archives of virology*, vol. 162, issue 7, pp. 1985-1994, 2017 Jul. [Abstract](#)

Naguib, M. M., A. Graaf, A. Fortin, C. Luttermann, U. Wernery, N. Amarin, H. A. Hussein, H. Sultan, B. Al Adhadh, M. K. Hassan, et al., "[Novel real-time PCR-based patho-and photyping of potentially zoonotic avian influenza A subtype H5 viruses at risk of incursion into Europe in 2017.](#)", *Euro surveillance : bulletin Europeen sur les maladies transmissibles = European communicable disease bulletin*, vol. 22, issue 1, 2017 Jan 05. [Abstract](#)

Naggar, H. E. M., M. S. Madkour, and H. A. Hussein, "[Preparation of mucosal nanoparticles and polymer-based inactivated vaccine for Newcastle disease and H9N2 AI viruses.](#)", *Veterinary world*, vol. 10, issue 2, pp. 187-193, 2017 Feb. [Abstract](#)

Rohaim, M. A., R. F. El Naggar, A. M. Helal, H. A. Hussein, and M. Munir, "[Reverse spillover of avian viral vaccine strains from domesticated poultry to wild birds.](#)", *Vaccine*, vol. 35, issue 28, pp. 3523-3527, 2017 06 16. [Abstract](#)

## 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, pp. 872-876, 2016 Dec. [Abstract](#)

Awad, F., R. Chhabra, A. Forrester, J. Chantrey, M. Baylis, S. Lemiere, H. A. Hussein, and K. Ganapathy, "[Experimental infection of IS/885/00-like infectious bronchitis virus in specific pathogen free and commercial broiler chicks.](#)", *Research in veterinary science*, vol. 105, pp. 15-22, 2016 Apr. [Abstract](#)

[polymer-based-inactivated-vaccine-newcas](#)

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