

D. Ahmed Ali Curriculum Vitae



1. Personal Information

Name: Ahmed Ali Mohamed Ali

Position:

- Assistant Professor of Poultry Diseases (Beni-Suef University Egypt)
- Biorisk Management Certified Professional (International Federation of Biosafety Association)
- Veterinary Vaccines Quality Control Consultant

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Google scholar: <https://scholar.google.com.eg/citations?user=SR0VGocAAAAJ&hl=en>

2. Contact information

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3. Education

Institution	Degree	Date	specialization
Beni-Suef University, Egypt	B.V.Sc.	09/2002	Veterinary Medicine
Beni-Suef University, Egypt	M.V.Sc.	04/2009	Poultry Diseases
The Ohio State University, USA	Ph.D.	12/2012	Comparative and Veterinary Medicine
International Federation of Biosafety Associations	Certified Professional	07/2017	Biorisk Management
Self-Awareness Academy-United Kingdom	Certified Professional Manager	10/2018	Management & Strategic planning

4. Positions

2003-2009 Demonstrator, Faculty of Veterinary Medicine, Beni-Suef University, Egypt

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| 2009-2012 | <ul style="list-style-type: none"> • Assistant Lecturer, Faculty of Veterinary Medicine, Beni-Suef University, Egypt • Graduate Research associate, College of Veterinary Medicine, The Ohio state University, USA |
| 2012-2013 | <ul style="list-style-type: none"> • Postdoctoral Researcher, College of Veterinary Medicine, The Ohio state University, USA |
| 2014-2018 | <ul style="list-style-type: none"> • Lecturer and Postdoctoral Researcher, Faculty of Veterinary Medicine, Beni-Suef University, Egypt • Quality Control Consultant, Middle East for Veterinary Vaccines |
| 2019-now | <ul style="list-style-type: none"> • Assistant Professor of Poultry Diseases, Faculty of Veterinary Medicine, Beni-Suef University, Egypt • Quality Control Consultant, Middle East for Veterinary Vaccines |

5. Scholarships and Awards

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| 2007 | Partnership-Ownership (Parown) grant (MHESR, Egypt) |
| 2011&2012 | Travel Award from 62nd& 63rd North Central Avian Disease Conference, Minnesota, USA |
| 2013 | Richard B. Rimler Memorial Paper Award from the American Association of Avian Pathologists AAAP/AVMA convention in Chicago, IL. 2013 |

6. Laboratory skills

- Poultry diseases diagnosis and treatment
- Dealing with animal models for viral infection especially turkeys, chicken, and mice
- Working in biosafety level 2 and biosafety level 3 laboratory (experience in work in biosafety level 3 chicken isolator for challenge studies)
- Main virology techniques including virus propagation (tissue culture and embryonated eggs); virus quantification by titration in eggs and tissue culture or plaque assay
- Molecular diagnostic techniques such as PCR, sequencing and sequence analysis
- Immunological techniques including; ELISA, IFA, immunohistochemistry and virus histochemistry.
- Molecular virology techniques such as gene cloning and reverse genetics.
- Biosafety and Biorisk Management

7. Projects & Research Cooperation

1. **Member: The research project awarded** by Beni-Suef University Research Support Unit (2012-13) **entitled** "Genotyping of recent Avian Infectious Bronchitis isolates and protection study against them under experimental conditions"
2. **Member: The research project awarded** by Beni-Suef University Research Support Unit (2014-15) **entitled** "Production and evaluation vaccines against bird flu (H5N1 & H9N2) of recent Egyptian strains using reverse genetics technology"

3. **Member: The research project awarded** by Beni-Suef University Research Support Unit & Middle East for Veterinary Vaccines company for “Preparation of nanoparticle-based DNA vaccine against H9N2 Low Pathogenic Avian Influenza”
4. In cooperation with the Ohio State University and Saint Jude Hospital: Establishment of the REVERSE GENETICS System of the influenza A viruses for studying avian influenza viruses and development of reverse genetic based vaccines

8. Thesis Supervision (Approved)

1. Mohamed K. Abdel-Hamid. 2015. Pathological Studies on Infectious Bronchitis Disease in Poultry Master Thesis. Department of Pathology. Faculty of Veterinary Medicine, Beni-Suef University
2. Hanaa S. Fedawy. 2017. Epidemiological Studies on the Current Situation of Infectious Coryza in Chickens and Means of Prevention and Treatment. PhD thesis. Department of poultry diseases Faculty of Veterinary Medicine, Beni-Suef University.
3. Samar S. Ewies. 2017. Molecular characterization of recent isolates of Newcastle disease virus in Egypt. Master Thesis. Department of Virology. Faculty of Veterinary Medicine, Beni-Suef University
4. Nashwa M. Eid. 2017. Effect of some oils of plant origin on necrotic enteritis in chickens. Master Thesis. Department of poultry diseases Faculty of Veterinary Medicine, Beni-Suef University.

9. Languages and Computer Skills

- Arabic: Native Language
- English: Speak fluently and read/write with high proficiency
- Computer skills:
 - o Dealing smoothly with different operating systems (Windows XP, Windows 7, Mac OSX, Mac OS)
- Software / Applications:
 - o DNASTAR - Lasergene software for Sequence Analysis and Assembly
 - o MEGA: Molecular Evolutionary Genetics Analysis
 - o GraphPad Prism: Scientific graphing, curve fitting and statistics.

10. Peer Reviewing:

- **Reviewer:**
 - o BSU journal of basic and applied sciences
 - o BioMed Central (BMC Veterinary Research & BMC Research Notes)
 - o BioMed Research International (Hindawi Publisher ISSN- 2314-6141)
 - o Poultry Science (SSN 0032-5791- EISSN 1525-3171)
 - o Advances in Animal and Veterinary Sciences (ISSN: 2307-8316)
 - o Journal of Veterinary Science and Animal Husbandry (JVSAH; ISSN: 2348-9790)
 - o Veterinary Research Forum (2008-8140)
- **Reviewer-Editorial board member:**
 - o MDPI Veterinary Sciences (ISSN 2306-7381)
 - o Animal and Veterinary Sciences (AVS ISSN: 2328-5850);
 - o Frontiers in Veterinary Science (ISSN: 2297-1769)

11. Peer Reviewed Publications

1. Sultan HA, Ali A, Elfeil WK, Kilany WK, Bazid AI, Zain El-Abideen MA. Protective efficacy of different live attenuated infectious bronchitis virus vaccination regimes against challenge with IBV variant-2 circulating in the Middle East. *Frontiers in Veterinary Science*. 2019. doi: 10.3389/fvets.2019.00341
 2. **Ali A.**, Abd El-Mawgoud A.I., Dahshan A.M., EL-Sawah A., Nasef S.A. Escherichia coli in broiler chickens in Egypt, its virulence traits and vaccination as an intervention strategy. *Novel Research in Microbiology Journal*. **2019**. 3(4):415-427. doi:10.21608/nrmj.2019.44950
 3. Shehata, A.A., Sedik, M., Elbestawy A., Zain El-Abideen, M. A., Hammam, H., Kilany, W. H., **Ali, A.** Co-infections, genetic and antigenic relatedness of avian influenza H5N8 and H5N1 viruses in domestic and wild birds in Egypt. *Poultry Science*. **2019**. pez011, doi: 10.3382/ps/pez011
 4. **Ali, A.**, Safwat, M., Kilany, W.H., Nagy, A., Shehata, A.A., Zain El-Abideen, M. A., Dahshan, A.M., Arafa, A.A. Combined H5ND inactivated vaccine protects chickens against challenge by different clades of highly pathogenic avian influenza viruses subtype H5 and virulent Newcastle disease virus. *Veterinary World*. **2019**. 12(1): 97-105. doi: 10.14202/vetworld.2019.97-105
 5. Radwan, I. A., Ahmed, R. S. A., Hassan, M. A., **Ali, A.** Genotypic characterization of fungal species isolated from local breeder chickens and their chicks. *Poultry Science Journal* **2018**. 6(2): 139-148. Doi: 10.22069/PSJ.2018.15073.1334
 6. **Ali A**, Kilany WH, Zain El-Abideen MA, El Sayed M, Elkady MF. Safety and efficacy of attenuated classic and variant 2 infectious bronchitis virus candidate vaccines. *Poultry Science* **2018**, 97(12):4238-4244. Doi: 10.3382/ps/pey312
 7. Elhady MA, **Ali A**, Kilany WH, Elfeil WK, Ibrahim H, Nabil A, Samir A, El Sayed M. Field Efficacy of an Attenuated Infectious Bronchitis Variant 2 Virus Vaccine in Commercial Broiler Chickens. *Vet Sci*. **2018** May 9;5(2). pii: E49. doi: 10.3390/vetsci5020049.
 8. Hassan KE, **Ali A**, Shany SAS, El-Kady MF. Experimental co-infection of infectious bronchitis and low pathogenic avian influenza H9N2 viruses in commercial broiler chickens, *Research in Veterinary Science*. **2017** (115): 356–362. <https://doi.org/10.1016/j.rvsc.2017.06.024>.
 9. Ewies SS, **Ali A**, Tamam SM, Madbouly MM. Molecular characterization of Newcastle disease virus (genotype VII) from broiler chickens in Egypt, *Beni-Suef University Journal of Basic and Applied Sciences*, **2017**, ISSN 2314-8535, <https://doi.org/10.1016/j.bjbas.2017.04.004>.
 10. Elaish M, Ngunjiri JM, **Ali A**, Xia M, Ibrahim M, Jang H, Hiremath J, Dhakal S, Helmy YA, Jiang X, Renukaradhya GJ, Lee CW. Supplementation of inactivated influenza vaccine with norovirus P particle-M2e chimeric vaccine enhances protection against heterologous virus challenge in chickens. *PLoS One*. **2017** Feb 2;12(2): e0171174. doi: 10.1371/journal.pone.0171174
 11. Fedawy HS, Salama SS, **Ali A**, Rabie NS, Elkady MF. Phenotypic and genotypic Characterization of Avibacterium paragallinarum isolated from layer chicken Flocks in Egypt yearling 2013-2015. *American Journal of Research Communication* **2016**, 4(12): 23-34
 12. Jang H, Jackson YK, Daniels JB, **Ali A**, Kang KI, Elaish M, Lee CW. Seroprevalence of three influenza A viruses (H1N1, H3N2, and H3N8) in pet dogs presented to veterinary hospital in Ohio. *J Vet Sci*. **2016** Aug 10. [Epub ahead of print]
 13. Ibrahim M, **Ali A**, Daniels JB, Lee CW. Post-pandemic seroprevalence of human influenza viruses in domestic cats. *J Vet Sci*. **2016** Dec 30;17(4):515-521. doi: 10.4142/jvs.2016.17.4.515.
 14. Kilany WH, **Ali A**, Bazid AH, El-Deeb AH, Zain El-Abideen MA, Sayed ME, Elkady MF. A Dose-Response Study of Inactivated Low Pathogenic Avian Influenza H9N2 Virus in Specific-Pathogen-Free and Commercial Broiler Chickens. *Avian Dis*. **2016** May;60(1 Suppl):256-61. doi: 10.1637/11143-050815-Reg.
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15. Kilany WH, Bazid AH, **Ali A**, El-Deeb AH, Zain El-Abideen MA, Sayed ME, Elkady MF. Comparative Effectiveness of Two Oil Adjuvant-Inactivated Avian Influenza H9N2 Vaccines. *Avian Dis.* **2016**; 60(1 Suppl):226-31. doi: 10.1637/11145-050815-Reg.
16. Hassan KE, Shany SA, **Ali A**, Dahshan AH, El-Sawah AA, Elkady MF. Prevalence of avian respiratory viruses in broiler flocks in Egypt. *Poult Sci.* **2016**; 95(6):1271-80. doi: 10.3382/ps/pew068.
17. Kilany WH, **Ali A**, Bazid AI, Zain El-Abideen MA, El Sayed M. Evaluation of two inactivated Newcastle disease virus vaccines (genotype II and VII) against challenge of Newcastle disease genotype VII infection in chicken. *Journal of Animal and Veterinary Advances.* **2015.** 14 (7): 211-218. Doi: 10.3923/javaa.2015.211.218
18. Elaish M, Kang KI, Xia M, **Ali A**, Shany SAS, Wang L, Jiang X, Lee CW. Immunogenicity and protective efficacy of the norovirus P particle-M2e chimeric vaccine in chickens. *Vaccine.* **2015** Sep 11;33(38):4901-9. doi: 10.1016/j.vaccine.2015.07.049.
19. Ngunjiri JM, **Ali A**, Boyaka P, Marcus PI, Lee CW. In Vivo Assessment of NS1-Truncated Influenza Virus with a Novel SLSYSINWRH Motif as a Self-Adjuvanting Live Attenuated Vaccine. *PLoS One.* **2015** Mar 19;10(3): e0118934. doi: 10.1371/journal.pone.0118934.
20. Awe OO, Kang KI, Ibrahim M, **Ali A**, Elaish M, Saif YM, and Lee CW. Age-related Susceptibility of Turkeys to Enteric Viruses. *Avian Diseases.* 59(2):207-212. **2015** doi: 10.1637/10907-071514-Reg.
21. Awe OO., **Ali A**, Elaish M, Ibrahim M, Murgia M, Pantin-Jackwood M, Saif YM, Lee CW. Effect of coronavirus infection on reproductive performance of turkey hens. *Avian Dis.* **2013** Sep; 57(3):650-656. Doi: 10.1637/10502-012513-Reg.1
22. **Ali A**, Yassine HM, Awe O, Ibrahim M, Saif YM and Lee, CW. Replication of Swine and Human Influenza Viruses in Juvenile and Layer Turkey Hens. *Vet. Microbiol.* **2013.** 163 (1-2): 71–78. Doi: 10.1016/j.vetmic.2012.12.018
23. **Ali A**, Ibrahim M, Eladl AH, Saif YM and Lee, CW. Enhanced replication of swine influenza viruses in dexamethasone treated juvenile and layer turkeys. *Vet. Microbiol.* **2013.** 162 (2-4): 353–359. Doi: 10.1016/j.vetmic.2012.10.007
24. **Ali A**, Khatri M, Wang L, Saif YM and Lee CW. Identification of Swine H1N2/Pandemic H1N1 Reassortant Influenza Viruses in Pigs, United States. *Vet Microbiol.* **2012.** 158(1-2):60-8. Doi: 10.1016/j.vetmic.2012.02.014
25. **Ali A**, Daniels JB, Zhang A, Rodriguez-Palacios A, Hayes-Ozello K, Mathes L and Lee CW. Pandemic and seasonal human influenza virus infections, association with respiratory disease, and seasonality pattern in domestic cats. *J. Clin. Microbiol.* **2011.** 49(12):4101-5. doi: 10.1128/JCM.05415-11
26. Eladl AH, Abou El-Azm KI, Ismail AN, **Ali A**, Saif YM and Lee CW. Genetic Characterization of highly pathogenic H5N1 avian influenza viruses isolated from poultry farms in Egypt. *Virus Genes.* **2011.** 43(2):272-80. Doi: 10.1007/s11262-011-0633-5
27. Ngunjiri JM, Lee CW, **Ali A** and Marcus PI. Influenza virus interferon-inducing particle efficiency is reversed in avian and mammalian cells and enhanced in cells co-infected with defective- interfering particles. 2011. *J Interferon Cytokine Res.* **2012.** 32(6):280-5. Doi: 10.1089/jir.2011.0102
28. Khatri M, Dwivedi V, Krakowka S, Manickam C, **Ali A**, Wang L, Qin Z, Renukaradhya GJ, Lee CW. Swine influenza H1N1 virus induces acute inflammatory immune responses in pig lungs: a potential animal model for human H1N1 influenza virus. *J Virol.* **2010.** 84(21):11210-8. Doi: 10.1128/JVI.01211-10

12. Conferences Selected oral & poster presentations

1. **Ali A.**, El-Kady M. F. and Abdel-Moneim, A. S. The role of infectious bursal disease virus in induction of proventriculitis in broiler chickens. *The 16th World Veterinary Poultry Association Congress*. November 9-12, 2009. Marrakesh, Morocco. pp: 223.
 2. **Ali, A.**, Lutz, E., Lee, C.W., Saif, Y. M. and Buckley, T. An experimental model using Newcastle disease virus for detecting and mitigating airborne influenza transmission. *The Conference of Research Workers in Animal Diseases (CRWAD)*. December 6-8, 2009. Chicago, Illinois, USA.
 3. **Ali, A.**, Hayes-Ozello, K., Khatri, M., Eladl, A., Daniels, J.B., Zhang, Y., Mathes, L., and Lee, C.W. Influenza Infection in Cats. *The Conference of Research Workers in Animal Diseases (CRWAD)*. December 5-7, 2010. Chicago, Illinois, USA.
 4. **Ali, A.**, Yassine, H.M., Saif, Y.M. and Lee, C.W. Differential susceptibility of turkeys to swine and human Influenza A viruses. *62nd North Central Avian Disease Conference and Symposium*. March 14-15, 2011. St. Paul, Minnesota.
 5. Lee, C.W., **Ali, A.**, Yassine, H.M. and Saif, Y.M. Replication of Swine-lineage Influenza Virus in Juvenile and Adult Turkey Hens. *AAAP/AVMA Annual Meeting*. 16-19th July, 2011. St. Louis, MI, USA.
 6. **Ali, A.**, Yassine, H.M., Saif, Y.M. and Lee, C.W. Experimental infection study of recent swine-lineage influenza viruses in turkeys. *The 6th Annual Prevention and Control of Avian Influenza in the United States (AICAP) Meeting*. September 30th - October 1st, 2011, Buffalo, New York.
 7. **Ali, A.**, Daniels, J. B., Zhang, Y., Rodriguez-Palacios, A., Hayes-Ozello, K., Mathes, L., and Lee, C.W. Seroprevalence of pandemic H1N1 and seasonal human influenza in domestic cats in Ohio. *The Conference of Research Workers in Animal Diseases (CRWAD)*. December 4-6, 2011. Chicago, Illinois, USA.
 8. **Ali, A.**, Khatri, M., Wang, L., Saif, Y.M., and Lee, C.W. Identification of Novel Swine/Pandemic H1N1 Reassortant Virus in Pigs. *The Conference of Research Workers in Animal Diseases (CRWAD)*. December 4-6, 2011. Chicago, Illinois, USA.
 9. **Ali, A.**, Ibrahim, M., Daniels, J. B., and Lee, C.W. Seroprevalence of Pandemic H1N1 and Seasonal Human Influenza Viruses in Domestic Cats during and After the Pandemic Waves. *31st ASV Annual Meeting*. 21-25th July, 2012. Madison, Wisconsin, USA
 10. **Ali, A.**, Rauf, A., Elash, M.S., Saif Y. M., and Lee, C.W. Attachment of Avian and Mammalian Influenza Viruses to The Respiratory and Reproductive tracts of Layer Turkey Hens. *AAAP/AVMA Annual Meeting*. July 20-23rd, 2013. Chicago, IL, USA.
 11. **Ali, A.**, Awe, O., Shany, S. A., and Lee, C.W. Immunogenicity and Protective Efficacy of the Norovirus P particle-M2e Chimeric Vaccine in Chickens. *North Central Avian Disease Conference and Symposium*. March 13-14th 2013. St. Paul, Minnesota, USA.
 12. Ngunjiri, J.M., Lee, C.W., **Ali, A.** and Marcus, P.I. A novel SLSYSINWRH motif of the NS1 protein enhances the interferon-inducing particle efficiency and the effectiveness of candidate live-attenuated influenza vaccine. *32nd ASV Annual Meeting*. 20-24th, July, 2013. The Pennsylvania State University, PA, USA.
 13. Kilany W. H.; Bazid A.I.; **A., Ali, A.**, Zian el-Abideen, M. A., El Sayed, M. A dose-response study of inactivated low pathogenic avian influenza (LPAI) H9N2 virus in specific pathogen free (SPF) and commercial broiler chickens. 9th ISAI Scientific Program in Athens, GA April: 12-15, 2015
 14. Kilany W. H.; Bazid A.I.; **A., Ali, A.**, Zian el-Abideen, M. A., El Sayed, M. Comparative effectiveness of two oil adjuvant (SEPPIC® ISA 70 and 71) inactivated avian influenza H9N2 vaccines. 9th ISAI Scientific Program in Athens, GA April: 12-15, 2015
 15. **A., Ali, A.**, Kilany W. H., Bazid A.I., Zian el-Abideen, M. A., El Sayed, M. Efficacy of Inactivated Newcastle Disease Virus Vaccines Prepared from Local Egyptian Isolates. First Global Alliance for Research on
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Avian Diseases (GARAD) Conference, Strand Campus King's College London, United Kingdom, June 29 - July 01 2015.

16. Kilany W. H., Zain el-Abideen, M. A., **Ali, A.**, El-kady, M. F., El Sayed, M. Safety, immunogenicity and efficacy of newly-developed live attenuated infectious bronchitis variant 2 (IBV/1212B) virus vaccines. XXth WVPA Congress Edinburgh, Scotland. 4 - 8 September, 2017
17. Kilany W. H., **Ali, A.**, Zain el-Abideen, M. A., El-kady, M. F., El Sayed, M. Comparison safety and protective efficacy of two newly- developed live attenuated infectious bronchitis classical (M41 and H120 like) virus vaccines isolated from Egypt. XXth WVPA Congress Edinburgh, Scotland. 4 - 8 September, 2017
18. Kilany W. H., Eid, K., **Ali, A.**, Nagy, A., Zain el-Abideen, M. A., El-kady, M. F., El Sayed, M. Genetic, antigenic and pathogenic characteristics of velogenic Newcastle disease viruses (vNDV) from domestic chickens in Egypt. XXth WVPA Congress Edinburgh, Scotland. 4 - 8 September, 2017

13. References

- **D. Yehia M. Saif**

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- **D. Magdy Fathy ElKady**

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