

Curriculum vitae

Personal Information

Ahmed Ramadan Mahmoud Gado



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Sex Male | Date of birth 30/09/1990 | Nationality Egyptian
Marital status Married

- **ORCID:** <https://orcid.org/0000-0002-5920-5321>
- **Google Scholar:** <https://scholar.google.com/citations?user=tapcJ6YAAAAJ&hl=en>
- **Scopus Author ID:** [57204714471](https://orcid.org/0000-0002-5920-5321)

Education

B.Sc. (2007-2012)

- Field: Veterinary Medical Sciences
- Affiliation: Faculty of Vet. Med. Damanhour Univ., Egypt
- Cumulative grade: Excellent with honors (GPA: 3.8/4 (90.62%)) (Rank: 1st / 153)

M.Sc. (2013-2016)

- field: Viral Diseases of Poultry (Avian Influenza Virus)
- Affiliation: Poultry and Fish Diseases Dep., Damanhour University
- Coursework grades: A- (GPA: 3.525/4) (Rank 1st / 20)
- Significant courses: (Viral Diseases of Poultry / Lab Diagnosis of Poultry Diseases)
- Thesis Title: "**Incidence of Avian Influenza (H9N2) in broiler chickens in Egypt**"
- Research Disciplines: Veterinary Sciences, Microbiology, Virology
- Areas of Research: Viral Infections
- Fields of Application: Pathogenesis and Treatment of Diseases, Public Health

PhD (2016-2021)

- field: Viral Diseases of Poultry (Avian Influenza Virus)
- Affiliation: Poultry and Fish Diseases Dep., Damanhour University
- Coursework grades: A- (GPA: 3.112/4) (Rank 1st / 11)
- Thesis Title: "**Antigenic and molecular characterization of AIV subtype H9N2 isolates circulating in poultry flocks in Egypt**"
- Research Disciplines: Microbiology, Virology
- Areas of Research: Viral Infections
- Fields of Application: Pathogenesis and Treatment of Diseases, Public Health

Research interests and activities

- Surveillance and interaction of Avian respiratory viruses in all Egyptian poultry sectors in cooperation with General Organization for Veterinary Services, Egypt and FLI (Germany).
- Avian Influenza Virus (AIV) pathobiology and cellular molecular mechanisms.
- Mechanisms and evidence of antigenic drift events of AIV in field situation and their effect on vaccine protection.
- Improvement of diagnostic techniques of AIV.
- Factors affecting the pathogenicity of AIV including molecular changes, bacterial interaction and mycotoxicosis

- Prevention and control of AIV using herbal medicine.
 - Most important economically important bacteria and viruses affecting poultry industry in Egypt and Middle East countries.
 - Vaccination programming and enhancing the protection of different viral vaccines.
 - Bacterial antibiotic resistance as a part of One Health approach.
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Positions held

- Lecturer, Dep. of poultry diseases, Faculty of Veterinary Medicine Damamhur University (28/07/2021–present).
 - Teaching Assistant, Dep. of poultry diseases, Faculty of Veterinary Medicine Damamhur University (03/09/2016–27/7/2021).
 - Demonstrator, Dep. of poultry diseases, Faculty of Veterinary Medicine Damamhur University (31/08/2013–01/09/2016).
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Academic Experience

Birds and Rabbit Diseases Dep., Damamhur University where I taught the following courses:

- Avian Anatomy and Dissection
 - Diagnosis of Poultry Diseases
 - PCR and Gene Sequencing
 - Immunity and Vaccination
 - Guidelines to farm visits
 - Poultry therapeutics
 - Biosecurity in poultry farms
 - Poultry viral disease
 - Poultry bacterial diseases
 - Fungal diseases and mycotoxicosis
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Technical skills

- **Laboratory techniques:**
 - Collection and preparation of all sample types
 - Virus isolation on ECE and Tissue culture (primary and cell line)
 - Serological tests: ELISA, HI, NI and AGPT
 - Conventional and Realtime PCR (professional)
 - Gene sequencing and sequence analysis
 - Preparation of inactivated vaccines
 - Bacterial and fungal culture on different media
 - **Animal experiments**
 - Good experience in animal experiments protocols such as pathogenicity determination, vaccine protection
 - **Poultry Field experience**
 - Supervision of about 300 poultry farms with 2 million bird total capacity
 - Successful diagnosis and control of many complicated field cases with reduction of their economic losses
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Professional experience

- Position: Scientific consultant 2017-present
Employer: Onset Company for Trade and Distribution, Egypt
Activities: formulation of drugs suitable for current field situation in Egypt
- Position: Scientific consultant 2016-present
Employer: Advance Organization for Animal Health, Egypt
Activities: Design of disinfection and biosecurity program for Egyptian poultry farms with diagnosis of field outbreaks
- Position: Lecturer 2016-presnt
Employer: Max Veterinary Training Center, General Organization for Vet. Services, Egypt

Activities: Education and training of veterinarians about diagnosis, differential diagnosis, prevention and control of Avian Influenza in Egypt

Memberships

- Member of Egyptian Veterinary Poultry Association (EVPA)
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Honors and Awards

- Honor of General Union of Veterinarians for promising master holder researchers [2017]
 - Honor of Department of Poultry and Fish Diseases for valuable contribution and organization of "The 1st International Workshop on the Diagnosis of Poultry Diseases with special emphasis on molecular techniques" workshop [2016]
 - Honor of Department of Poultry and Fish Diseases for valuable contribution and organization of "Poultry Diseases and Management" workshop [2014]
 - Award of Faculty of Veterinary Medicine, Damanshour University (the 1st of class 2007-2012) [2013]
 - Honor of General Union of Veterinarians for academic excellence [2013]
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Training

- Faculty Leadership and Development Center (FLDC), Damanshour University (trained for fundamental skills required in academia such as scientific publishing, ethics and methods of scientific research, time management and effective presentation skills) [2015-2017]
 - Attendance of many training workshops and conferences related to the field of poultry diseases and molecular biology (list available in separate item). [2013-2017]
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Publications

Journal articles

(i) in peer-reviewed international journals

2024

1. Gewaily, M.S.; El-Khyat, F.; Tahoo, A.E.; Al-Rasheed, M.; Abdo, S.E.; **Gado, A.**; Elmasry, M.; Ismail, M.M. Cytokines, Serological, and Histopathological Assessment of Recombinant Vaccination Strategies for Combatting Infectious Bursal Disease in Broiler Chickens. *Vaccines* 2024, 12, 27.
2. Ahmed R. Elbestawy, Hatem S. Abd El-Hamid, Hany F. Ellakany, **Ahmed R. Gado**, Shady H. El-Rayes, Ahmed H. Salaheldin; Genetic Sequence and Pathogenicity of Infectious Bursal Disease Virus in Chickens in Egypt During 2017–2021. *Avian Dis* 2024; doi: <https://doi.org/10.1637/aviandiseases-D-23 00087>

2023

3. Elbestawy, A.; Ellakany, H.; Sedeik, M.; **Gado, A.**; Abdel-Latif, M.; Noreldin, A.; Orabi, A.; Radwan, I.; El-Ghany, W.A. Superior Efficacy of Apathogenic Genotype I (V4) over Lentogenic Genotype II (LaSota) Live Vaccines against Newcastle Disease Virus Genotype VII.1.1 in Pathogen-Associated Molecular Pattern-H9N2 Vaccinated Broiler Chickens. *Vaccines* 2023, 11, 1638. <https://doi.org/10.3390/vaccines11111638>

2022

4. El-Shall, N. A., Abdelhamid H.S., Elkady, M. F., Ellakany, H. F., Elbestawy, **A. R. Gado**, A. R., Geneedy, A. M., Hasan, M. E., Jaremko, M., Selim, S., El-Tarabily, K. A., El-Hack, M. E. A. (2022). Epidemiology, pathology, prevention, and control strategies of inclusion body hepatitis and hepatitis-hydropericardium syndrome in poultry: A comprehensive review. *Frontiers in Veterinary Science*, 9.
5. Abd El-Hack, M.E., El-Saadony, M.T., Elbestawy, **A.R., Gado**, A.R., Nader, M.M., Saad, A.M., El-Tahan, A.M., Taha, A.E., Salem, H.M. and El-Tarabily, K.A., 2022. Hot red pepper powder as a safe alternative to antibiotics in organic poultry feed: an updated overview. *Poultry Science*, p.101684.

2021

6. Elbestawy, A.R., Ellakany, H.F., Abd El-Hamid, H.S., **Gado, A.R.**, Geneedy, A.M., Noreldin, A.E., Menshawy, S., El-Neweshy, M., El-Shall, N.A. and Salaheldin, A.H., 2021. Leucocytozoon caulleryi in Broiler Chicken Flocks: Clinical, Hematologic, Histopathologic, and Molecular Detection. *Avian diseases*, 65(3), pp.407-413.
7. Attia, Y.A., El-Saadony, M.T., Swelum, A.A., Qattan, S.Y., Al-Qurashi, A.D., Asiry, K.A., Shafi, M.E., Elbestawy, A.R., **Gado, A.R.**, Khafaga, A.F. and Hussein, E.O., 2021. COVID-19: pathogenesis, advances

in treatment and vaccine development and environmental impact—a review. *Environmental Science and Pollution Research*, pp.1-24.

8. Elbestawy, A.R., Ellakany, H.F., Abd El-Hamid, H.S., Ibrahim, M.S., **Gado, A.R.**, Mustafa, N.S., Moussa, I.M., Al-Maary, K.S., Al-Sarar, D.S., Alshammari, H.O. and Dawoud, T.M., 2021. Comparative evaluation of a live *E. coli* vaccine and cefotaxime treatment against three *E. coli* serotypes in broilers. *Journal of King Saud University-Science*, 33(2), p.101353.

2020

9. Elbestawy, A.R., Abd-Ellatieff, H.A., Ellakany, H.F., Abd El-Hamid, H.S., Abou Rawash, A.A., **Gado, A.R.**, Abd El-Aziz, A.H., Eid, A.A. and El-Shall, N.A., 2020. Respiratory and reproductive impairment of commercial layer chickens after experimental infection with *Gallibacterium anatis* biovar *haemolytica*. *Avian Diseases*, 64(4), pp.536-541.
10. Abd El-Hack, M.E., Elnesr, S.S., Alagawany, M., **Gado, A.R.**, Noreldin, A.E. and Gabr, A.A., 2020. Impact of green tea (*Camellia sinensis*) and epigallocatechin gallate on poultry. *World's Poultry Science Journal*, 76(1), pp.49-63.

2019

11. **Gado, A.R.**, Ellakany, H.F., Elbestawy, A.R., Abd El-Hack, M.E., Khafaga, A.F., Taha, A.E., Arif, M. and Mahgoub, S.A., 2019. Herbal medicine additives as powerful agents to control and prevent avian influenza virus in poultry—a review. *Annals of Animal Science*, 19(4), pp.905-935.
12. Elbestawy, A.R., Ellakany, H.F., Abd El-Hamid, H.S., Zedan, R.E., **Gado, A.R.**, Sedeik, M.E., Abd El-Hack, M.E., Saadeldin, I.M., Alowaimer, A.N., Ba-Awadh, H.A. and Swelum, A.A., 2019. Muscovy ducks infected with velogenic Newcastle disease virus (genotype VIIId) act as carriers to infect in-contact chickens. *Poultry science*, 98(10), pp.4441-4448.
13. Ellakany, H.F., Elbestawy, A.R., El-Hamid, A., Hatem, S., Zedan, R.E., **Gado, A.R.**, Taha, A.E., Soliman, M.A., El-Hack, A., Mohamed, E. and Swelum, A.A., 2019. Role of pigeons in the transmission of avian Avulavirus (Newcastle disease-genotype VIIId) to chickens. *Animals*, 9(6), p.338.
14. Ellakany, H.F., Abd-Elhamid, H.S., Tantawy, L.A., Elsamadony, H.A., Elbestawy, A.R., **Gado, A.R.**, El-Sayed, Y.S. and Ismael, H.S., 2019. Immunological and pathological adverse effects of avian influenza virus subtype H9N2 infection in aflatoxicated-broiler chickens. *Journal of the Hellenic Veterinary Medical Society*, 70(4), pp.1889-1900.
15. Ellakany, H.F., Elbestawy, A.R., Abd-Elhamid, H.S., **Gado, A.R.**, Nassar, A.A., Abdel-Latif, M.A., Ghanima, I.A., Abd El-Hack, M.E., Swelum, A.A., Saadeldin, I.M. and Ba-Awadh, H.A., 2019. Effect of experimental *Ornithobacterium rhinotracheale* infection along with live infectious bronchitis vaccination in broiler chickens. *Poultry science*, 98(1), pp.105-111.

2018

16. Ellakany, H.F., **Gado, A.R.**, Elbestawy, A.R., Abd El-Hamid, H.S., Hafez, H.M., Abd El-Hack, M.E., Swelum, A.A., Al-Owaimer, A. and Saadeldin, I.M., 2018. Interaction between avian influenza subtype H9N2 and Newcastle disease virus vaccine strain (LaSota) in chickens. *BMC veterinary research*, 14(1), pp.1-10 (extracted from my master thesis).

II) in peer-reviewed National journals

2019

1. Ellakany, H.F., Abd El-Hamid, H. S., Nasef, S. A., Elbestawy, A. R., Nasr, S.M., Abd El Aziz, M. N., **AR Gado**, Zedan, R. E., Yonis, A. E. Evaluation of the protection of commercial live and inactivated NDV vaccines against Newcastle virus genotype VIIId circulating in the field. *Damanhour Journal of Veterinary Sciences* 1 (2019) 17–20.
2. Hany F. Ellakany, Hatem S. Abd El-Hamid, Ahmed A. Bekhit, Ahmed R. Elbestawy, AbouEllif A.S., **AR Gado**. Effect of mixed experimental infection with *Ornithobacterium rhinotracheale* and *Mycoplasma gallisepticum* in broiler chickens. *AJVS*. Vol. 61 (1): 168-178. April 2019 DOI: 10.5455/ajvs.297431.
3. Hagag, S., Abdel-Hamid, H., Arafa, A., Elbestawy, A., Ellakany, H., Salah Eldin, A. and **Gado, A.**, 2019. Genetic Analysis of Highly Pathogenic Avian Influenza H5N1 in West Delta Governorate. *Damanhour Journal of Veterinary Sciences*, 2(1), pp.1-6.
4. Ellakany, H., Elbestawy, A., Sayed-Ahmed, A., Elgammal, S., **Gado, A.** and Abdel-Hameed, H., 2019. Genetic point mutation inducing antigenic drift in hypervariable region of a very virulent IBDV isolate in chickens in Egypt during 2014-2016. *Damanhour Journal of Veterinary Sciences*, 2(1), pp.12-17.
5. Ellakany, H.F., Abd-Elhamid, H.S., Ibrahim, M.S., Mostafa, N.S., Elbestawy, A.R. and **Gado, A.R.**, 2019. Isolation, Serotyping, Pathogenicity and Antibiotic Sensitivity Testing of *Escherichia Coli* from Broiler Chickens in Egypt. *Alexandria Journal for Veterinary Sciences*, 61(2).

2018

6. El-Hamid, S.A., Ellakany, H.F., Elbestawy, A.R. and **Gado, A.R.**, 2018. Molecular Characterization of H9N2 Avian Influenza Viruses Isolated from Commercial Broiler Chickens in Egypt during 2014-2015. Alexandria Journal for Veterinary Sciences, 56(2).

Conference papers

1. **Gado, AR**, Geneedy, AM, Elbestawy, AR. Evaluation of the performance and serological response of commercial broilers vaccinated with recombinant FP-ND and trivalent vHVT+ND under field conditions. XXII conference of the WVPA, Verona, Italy, Conference Date: 2023/9, Poster.
2. Elbestawy, AR, Ellakany, HF, Abde-Latif, MA, Geneedy, AM, **Gado, AR**. Field clinical case study of a broiler chicken flock vaccinated against avian influenza and facing an early dual natural challenge. XXII conference of the WVPA, Verona, Italy, Conference Date: 2023/9, Poster.
3. Elbestawy A.R., Khalifa E.S., Saad A.H, Elnagar A.R., Ellakany H.F., Abdel-Latif M.A., Noreldin A.E., Geneedy A.E. and **Gado A.R.** Early challenge with LPAI-H9N2 followed by vNDV-VII.1.1 in vaccinated and unvaccinated broilers: a comprehensive study. Second WVPA Africa and Middle East Meeting, Cairo – 2024, oral presentation.
4. Ellakany HF, Abd El-Hamid HS, Okeila MA, Abd El-Halim BA, Elbestawy AR, **Gado AR**, Salaheldin AH, Hamoud MM, El-Shall NA, Tawfik R. A Twelve-Year Term Study on the MIC of Egyptian Mycoplasma gallisepticum isolates. Second WVPA Africa and Middle East Meeting, Cairo – 2024, oral presentation.
5. Abd El-Hamid H.S.; Ellakany H.F.; Bekheet A.A., Elbestawy A.R.; **Gado A.R.**; Salaheldin A.H., Mataried N., Bedawy S., El-Khayat F. Correlation between phenotypic and genotypic antimicrobial resistance of Salmonella isolates from chickens in Egypt during 2018-2019. Second WVPA Africa and Middle East Meeting, Cairo – 2024, oral presentation.
6. Elbestawy A.R., Sayed-Ahmed A.S., Mohamed M.A., Darwesh M.S., Abdel-Latif M.A, Salaheldin A.H., **Gado A.R.**, Ellakany H.F., Abd El-Hamid H.S. Protective efficacy of immune complex and recombinant vaccines, with or without intermediate live vaccine, against nVarIBDV and vvIBDV challenge in SPF, and commercial broiler chickens. Second WVPA Africa and Middle East Meeting, Cairo – 2024, oral presentation.
7. Geneedy A.M., Abd El-Hamid H.S., Ellakany H.F., Elbestawy A.R., Salaheldin A.H., El-Khayat F., **Gado A.R.** Pathogenicity of 2 Fowl adenoviruses (FAdV) isolates in Broiler and Male Layer chicks. Second WVPA Africa and Middle East Meeting, Cairo – 2024, oral presentation.
8. Ellakany HF, Abd El-Hamid HS, Okeila MA, Elbestawy AR, Abd El-Halim BA, Hussein AM, El-Khewisky WS, El-Geweily NM, MS Ibrahim, Hamoud MM, Tawfik RG, Gado AR. The reasons for the weak ELISA immune response to Mycoplasma gallisepticum after experimental infection or after live vaccines. Second WVPA Africa and Middle East Meeting, Cairo – 2024, poster presentation.
9. Ellakany H.F., Abd El-Hamid H.S., Bekheet A.A., Elbestawy, A.R., Salaheldin A.H., Mataried N., Bedawy S., **Gado A.R.** Modulating effects of levamisole and essential oils mixture on the multiple drug resistance of Salmonella spp. Second WVPA Africa and Middle East Meeting, Cairo – 2024, poster presentation.
10. Abd El-Hamid H.S., Ellakany H.F., Bekheet A.A., Elbestawy, A.R., Bedawy S., Mataried N., Salaheldin A.H., **Gado A.R.**, El-Khayat. Evaluation of live Salmonella vaccine in layers. Second WVPA Africa and Middle East Meeting, Cairo – 2024, poster presentation.

Attended workshops and Conferences

- The 2nd WVPA Africa and middle east meeting, Cairo, 3-6/9/2024
- ECO Animal Health Poultry Mycoplasma Workshop-Disease diagnosis, prevention and control strategies, Poland, 7-10/5/2024.
- WVPA congress 4-8/9/2023, Verona, Italy.
- Introduction training to poultry health, GD academy, 21-25/11/2022, Deventer, Netherlands.
- First African Meeting of World Veterinary Poultry Association (WVPA), Morocco, 21 25/6/2022.
- Ellanco poultry summit from 15-18/6/2022, Sharm Elsheikh, Egypt.
- Ceva poultry professional league from 25/2/2022 to 3/3/2022, Aswan, Egypt.
- MSD poultry professional forum from 13-16/12/2021, Hurghada, Egypt.
- 10th Egyptian Veterinary Poultry Association Conference (EVPA), Ain Sokhna (Egypt) 07/12/2017–14/12/2017.

- o DNA Sequencing and Fragment Analysis training, Thermofisher Scientific (applied biosystems), Dubai (UAE) 18/10/2016–19/10/2016.
 - o The 1st International Workshop on the Diagnosis of Poultry Diseases with special emphasis on molecular techniques, Faculty of Veterinary Medicine Damanhur University, Damanhur (Egypt) 26/04/2016–28/04/2016.
 - o Intervet/Schering-Plough Poultry Scientific Conference 22-24/ 9/2015
 - o Poultry diseases and management workshop, Faculty of Veterinary Medicine Damanhur University, Damanhur (Egypt) 15/06/2014–26/06/2014
 - o PCR workshop, Unit of Diagnosis and Treatment of Poultry Diseases, Cairo University, Cairo (Egypt) 10/06/2014–11/06/2014
 - o Scientific conference of Faculty of veterinary Medicine Damanhur University on Avian Influenza in Egypt 4/5/2011
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Volunteering work and activities

- o **Organizing the following conferences and workshops:**
 - The 1st International Workshop on the Diagnosis of Poultry Diseases with special emphasis on molecular techniques, Faculty of Veterinary Medicine Damanhur University, Damanhur (Egypt) 26/04/2016–28/04/2016
 - Poultry diseases and management workshop, Faculty of Veterinary Medicine Damanhur University, Damanhur (Egypt) 15/06/2014–26/06/2014
 - Scientific conference of Faculty of veterinary Medicine Damanhur University on Avian Influenza in Egypt 4/5/2011
 - o **Participation in the following projects:**
 - Veterinary Education Hospital (Animal panorama) 2012-present
 - Beautification project of Faculty of Veterinary Medicine Damanhur University 2012-2013
 - o Effective contribution of Veterinary Convoys of Faculty of Veterinary Medicine Damanhur University for training of students, education of people and society service
 - o Participation in the preparation of the requirements for submission of the college file of quality and accreditation
 - o Participation in the preparation of the requirements for submission of the department lab file of quality and accreditation
 - o Transferring all laboratory experiences to postgraduate students in the department, other departments and colleagues in the college
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Computer skills

- o Word, Excel spreadsheet, Powerpoint (very good user)
 - o Adobe Photoshop (good user)
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Language skills

- o An International English Language Testing System (IELTS) from British Council during July 2016 with Overall band score (6).
 - o A local TOEFL from the ESP center of Damanhur University during August 2015 with general grade Excellent 627/680.
 - o Good academic and scientific language acquired from five year Veterinary study in English and also five year of academic teaching in English.
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Communication Skills

- o Good communication skills gained through four years of teaching to students, field visits and investigations, contact with colleagues and postgraduate students and working in research groups
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References

Available upon request