

Curriculum Vitae

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Professor and Chairman

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EDUCATION

- **Ph.D in Veterinary Medical Sciences (Virology)** **2001-2006**
Faculty of Veterinary Medicine, Cairo University, Egypt.
Title of the dissertation: "Cloning and Expression of Bovine Coronavirus Genes"
 - **Master Degree in Veterinary Medical Sciences (Virology)** **1998-2001**
Faculty of Veterinary Medicine, Cairo University, Egypt.
Title of the dissertation: "Production and Characterization of Monoclonal Antibodies to Avian Reovirus".
 - **Bachelor of Veterinary Medical Sciences** **1991-1996**
Faculty of Veterinary Medicine, Cairo University, Egypt.
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ACADEMIC POSITIONS

- **Professor of Virology** **October 2016-Present**
Faculty of Veterinary Medicine, Cairo University, Egypt
- **Associate Professor of Virology** **December 2014-July 2018**
College of Science, King Saud University, Saudi Arabia
- **Assistant Professor of Virology** **October 2011-October 2016**
Faculty of Veterinary Medicine, Cairo University, Egypt
- **Assistant Professor of Virology** **June 2009-December 2014**
College of Science, King Saud University, Saudi Arabia
- **Lecturer of Virology** **June 2006-June 2009**
Faculty of Veterinary Medicine, Cairo University, Egypt.
- **Assistant Lecturer of Virology** **November 2001-June 2006**
Faculty of Veterinary Medicine, Cairo University, Egypt.
- **Instructor of Virology** **May 1998 - November 2001**
Faculty of Veterinary Medicine, Cairo University, Egypt.
- **Research Assistant** **September 1997 - April 1998**
Veterinary Serum and Vaccine Research Institute (VSVRI), Cairo, Egypt.

MEMBERSHIP OF COMMITTEES

1. Chairman: Virology Department, Faculty of Veterinary Medicine, Cairo University (2018-Present).
 2. Member: Supereme Committee of Faculty of Veterinary Medicine, Cairo University (2018-Present).
 3. Member: Arbitrators for evaluation of the scientific production for the promotion of professors and associate professors (Pre-clinical Veterinary Sciences – Microbiology and Parasitology), Supreme Council of Universities (2020-Present).
 4. Member: Committee of Postgraduate Studies and Scientific Research, Faculty of Veterinary Medicine, Cairo University (2019-Present).
 5. Member: Committee of Education and Students Affairs, Faculty of Veterinary Medicine, Cairo University (2019-Present).
 6. Chairman: Committee of Scientific Research, Department of Botany and Microbiology, College of Science, King Saud University (2016-2018).
 7. Member: Committee of Ethics in Scientific Research on Living Organisms (Subcommittee of Science Colleges), King Saud University (2016-2018).
 8. Member: ISO 17025 Committee, College of Science, King Saud University (2018).
 9. Member: Security and Biosafety Committee, Department of Botany and Microbiology, College of Science, KSU (2015-2016).
 10. Member: Committee of Graduate Studies and Scientific Research, Department of Botany and Microbiology, College of Science, KSU (2015-2016).
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ACADEMIC/TEACHING EXPERIENCES

A) Courses taught (At King Saud University; KSU and Cairo University; CU)

Undergraduate

1. General Virology (VIR-304) at CU (2008, 2018-Present).
2. Systematic Virology (VIR-355) at CU (2006-2009, 2018-Present).
3. Virology – Distinguished Program of Pharmaceutical Preparation (PHA-251) at CU (2019-Present)
4. Vaccine and Sera – Distinguished Program of Pharmaceutical Preparation (PHA-354) at CU (2020-Present)
5. Elective studies in Virology (E007) at CU (2018-Present)
6. General Virology (MIC-250) at KSU (2016-2018).
7. Medical Virology (MIC-450) at KSU (2015-2018).
8. Research Project (MIC-499) at KSU (2014-2018).
9. Summer Training (357) at CU (2004-2008, 2018- Present)
10. Veterinary Virology (355) at CU (1998-2009).

Graduate

1. Special Virology (VIR-2070) at CU (2018- Present).

2. Virology of Pet Animals (VIR-3185) at CU (2018-Present).
3. Fish Virology (VIR-3182) at CU (2018- Present).
4. Advanced Virology (511 MIC) at KSU (2010-2017).
5. Molecular biology of viruses (611 MIC) at KSU (2010-2017).
6. Immunology (651 MIC) at KSU (2011-2014).
7. Modern technologies in Virology (612 MIC) at KSU (2011-2014).
8. Diploma of Microbiology at CU (2006-2009, 2018-Present).

B) Quality Assurance and Accreditation

1. Executve Director: SQEPIA Project (Support and Qualifying of Educational Programs for International Accreditation in Higher Education Institutions) at Faculty of Veternary Medicine, Cairo University (2021-Present).
2. Member: Exceutive committee for preparation of Department of Botany and Microbiology, College of Science, King Saud University for accreditation of postgraduate courses (2017-2018).
3. Coordinator: National Center for Academic Accreditation and Assement [NCAAA] program accreditation site visit "Microbiology program, College of Science, King Saud University" (May 2017).
4. Trainee: workshop on "Information Technology for the External Peer-reviewers of the Higher Education Institutions", National Authority for Quality Assurance and Accreditation of Education [NAQAA] (January 2009).
5. Trainee: workshop on "External Peer-reviewing of the Higher Education Institutions", NAQAA (November 2008).
6. Member: Exceutive committee for proposal preparation of Continuous Improvement and Quality Accreditation Project (CIQAP), Faculty of Veterinary Medicine, Cairo University (May 2008).
7. Team member: Quality Control and Accreditation Unit, Faculty of Veterinary Medicine, Cairo University (2006-2009).
8. Team member: Project of "Establishment of An Internal Quality Control and Accreditation Unit at the Faculty of Veterinary Medicine, Cairo University", Quality Assurance and Accreditation Program (QAAP), Ministry of Higher Education, Egypt (2005-2007).

PROFESSIONAL ACTIVITIES

Conferences and Symposia

1. One Health Technical Advisory Group (OH-TAG) Coordination Meetings Organized by Food and Agriculture Organization (FAO), United Nations, March 2021, Dec. 2020, Sept. 2020 (*Two oral presentations*).
2. COVID-19 pandemic: Current research and role of international collaboration, November 2020 (*Oral presentation – Member in the organizing committee*).

3. Elimination of Rabies from Egypt “Rabies-OUT.eg”. Cairo, Egypt, 10 February 2020 (*Two oral presentations - Member in the organizing committee*)
4. Seventh Conference of the Egyptian Society of Virology, Hurgada, Egypt, 27-30 November 2018 (*Member in the scientific committee – Session Chairman*).
5. Avian Immunology Research Group (AIRG) conference, Oxford, UK, 5-8 September 2018 (*Attendance*).
6. Sixth Conference of the Egyptian Society of Virology, Hurgada, Egypt, 29 November - 2 December 2016 (*Three oral presentations – Session chairman*).
7. MERS-CoV Vaccine Development Workshop, Saudi Ministry of Health, Riyadh, Saudi Arabia, 14-15 November 2015 (*Attendance*).
8. Fifth Conference of the Egyptian Society of Virology, Hurgada, Egypt, 9-12 December 2014 (*Two oral and one poster presentations*).
9. Fifth World Congress on Biotechnology, OMICS group Conferences, Valencia, Spain, 25-27 June 2014 (*One poster presentations*).
10. Fourth Conference of the Egyptian Society of Virology, Sharm El-Sheikh, Egypt, 14-16 November 2012 (*Three oral presentations*).
11. Third Conference of the Egyptian Society of Virology, Cairo, Egypt, 23-25 November 2010 (*Three oral presentations*).
12. Twelfth Annual Conference of the Egyptian Association of Immunologists, Ain El-Soukhna, Suez, Egypt, 26-28 November 2008 (*Member in the organization committee*).
13. Second International Conference of the Egyptian Society of Virology, Cairo, Egypt, 5-6 April 2008 (*Member in the organization committee – Four oral presentations*).
14. First International Conference of the Faculty of Veterinary Medicine, Cairo University, Sharm El-Sheikh, Sinai, Egypt, 24-27 April 2007 (*Attendance*).
15. Eleventh Annual Conference of the Egyptian Association of Immunologists, Sharm El-Sheikh, Sinai, Egypt, 29 November- 1 December 2006 (*Keynote lecture – two oral presentations*).
16. International Symposium on Cellular, Systemic and Mucosal Immune Regulation, Berlin, Germany, 25-26 August 2006 (*Attendance*).
17. Tenth Annual Conference of the Egyptian Association of Immunologists, Mansoura, Egypt, 23-25 November 2005 (*Attendance*).
18. First Conference of the Egyptian Society of Virology, Cairo, Egypt, 7-8 December 2004 (*Member in the organization committee*).
19. Twelfth International Congress of the World Veterinary Poultry Association, Cairo, Egypt, 29 January – 1 February 2002 (*One poster presentation*).
20. Seventh Annual Conference of the Egyptian Association of Immunologists, Ain El-Soukhna, Suez, Egypt, 24-26 January 2002 (*One oral presentation*).
21. Sixth Annual Conference of the Egyptian Association of Immunologists, Taba, Sinai, Egypt, 28-30 March 2001 (*Attendance*).

Workshops-Trainer:

1. Contemporary and deadly viruses: Detection methods and prevention. *Training and Community Service Center, King Saud University* (Sept. 2016; Feb. 2015).
2. Applications of Biotechnology in the Diagnosis of Viral Diseases. *King Abdel Aziz Foundation for Talent and Creativity* (March 2015).
3. Polymerase Chain Reaction (PCR) and its Different Applications. *Biotechnology Services and Research Center, Faculty of Veterinary Medicine, Cairo University* (April 2009; Nov. 2008; April 2008).
4. Application of Molecular Biology Techniques in Diagnosis of Animal Diseases, Feb. 2008. *Animal Reproduction Research Institute, Agriculture Research Center.*
5. Workshop on Molecular Biology. *Medical Technology Center for Research and Services, Medical Research Center, Alexandria University* (February 2008).
6. Training Courses on the Use of PCR for Molecular Detection of Animal Viruses. *Virology Department, Faculty of Veterinary Medicine, Cairo University* (Dec. 2006; Nov. 2006).
7. Regional Training Course on the Use of Laboratory Techniques in Field Diagnosis of Viral Diseases. *Center for Analysis and Applied Studies, Faculty of Veterinary Medicine, Cairo University* (Nov. 2005).
8. Regional Training Course on the Molecular and Basic Epidemiology of Viral Diseases. *Virology Department, Faculty of Veterinary Medicine, Cairo University, in collaboration with the Department of Tropical Animal Medicine and Epidemiology, Faculty of Veterinary Medicine, Free University of Berlin, Germany* (October 2001).
9. Regional Courses on the Application of Molecular Biology in Diagnosis and Molecular Epidemiology of Viral Diseases. I. Bovine viral diarrhea, II. Epizootic Bovine Leucosis. *Virology Department, Faculty of Veterinary Medicine, Cairo University, in collaboration with the Institute of Veterinary Medicine, Hanover, Germany* (Feb. 2000; Dec. 1998).

Workshops-Trainee:

1. Cell Imaging and Image analysis Training Workshop using IN Cell Analyzer 2000. *GE Healthcare, Marynard Centre, Whitchurch, Cardiff, United Kingdom* (April 2011).
2. Instrumentation Application Training Workshop on the: Rotor-Gene™ 6000 Real Time Rotary Analyzer; CAS1200™ Automated PCR Setup and CAS1820™ Automated Nucleic Acid Extraction. *MMI Training Centre, Cambridge, United Kingdom* (July 2008).
3. Training course on real-time PCR using RG-3000 and CAS-1200. *Corbett Research Training and Support Center at Envirolife, Amman, Jordan* (Nov. 2006).
4. Intellectual Property and Technology License. *Deanship of Skills Development, King Saud University* (April 2017).

5. Effective Teaching Skills. *Faculty and Leadership Development Center (FLDC), Cairo University* (August 2016).
6. Communication Skills. *FLDC, Cairo University* (August 2016).
7. Credit Hours System. *FLDC, Cairo University* (August 2016).
8. Arabic and English Editing in Scientific Research. *FLDC, Cairo University* (August 2016).
9. Use of Technology in Teaching. *FLDC, Cairo University* (August 2016).
10. Effective Time and Meeting Management. *FLDC, Cairo University* (August 2015).
11. Students' Evaluation. *FLDC, Cairo University* (August 2015).
12. University Administrative Management. *FLDC, Cairo University* (August 2014).
13. Strategic Planning. *FLDC, Cairo University* (August 2014).
14. Conference Organization. *FLDC, Cairo University* (August 2010).
15. Effective Presentation. *FLDC, Cairo University* (March 2009).
16. Moodle Workshop. *Cairo University E-learning Center (CUELC), Faculty of Engineering, Cairo University* (Dec. 2008).
17. Research Ethics. *FLDC, Cairo University* (Nov. 2008).
18. How to Write and Publish a Scientific Paper. *FLDC, Cairo University* (Dec. 2006).
19. Designing a Curriculum. *FLDC, Cairo University* (Nov. 2006).
20. Preparation of a Research Project Proposal. *FLDC, Cairo University* (Nov. 2006)
21. How to Develop Your Thinking Skills. *FLDC, Cairo University* (July 2005).
22. An Advanced Course in Preparation of an Academic Teaching Candidate. *Preparation of Academic Staff Unit, Cairo University* (June-July 2004).

Public Lectures:

1. Canine parvo: Survive or not ... That is the challenge. *Webinar, MSD Animal Health Egypt*. (26 February 2020).
2. Get the facts on COVID-19. *Faculty of Veterinary Medicine, Cairo University* (10 March 2020).

RESEARCH AND SCHOLARLY ACTIVITIES:

Research Grants:

1. PI: Suitcase laboratory for rapid and sensitive detection of SARS-CoV-2 in point-of-care settings. *Science and Technology Development Fund (STDF), National Academy of Science and Technology, Egypt*. Grant No. 44542 (US \$ 115,000); 2021-Present.
2. PI: Relative Risk-Based Framework for Sustainable Virology Laboratory Capacity Building: A Step Toward Laboratory Biosafety and Biosecurity. *CRDF Global, Arlington, VA, USA*. Grant No. GT13-19-65891-0 (US \$ 14,855); 2019-2020.
3. Co-PI: Epidemiological characteristics and genetic factors affecting circulation and evolution of respiratory viruses in Saudi Arabia. *NSTIP*

Strategic Technologies Program, King Abdul Aziz City for Science and Technology, Saudi Arabia. Grant No. 14-MED809-02 (US \$ 460,000); 2015-2018. (Consultant: 2018-Present).

4. Co-PI: Preparation and experimental evaluation of an rDNA-based equine H3N8 influenza virus vaccine. *Scientific Reserch Department, Cairo University* US \$ 10,000; 2018-Present.
5. Co-PI: Influenza virus evolution (Joint project with University of Wisconsin-Madison, USA). *Deanship of Scientific Research, King Saud University, Saudi Arabia. Grant No. RGP-VPP (US \$ 330,000); 2014-Present.*
6. Co-PI: DNA vaccination of cervical cancer patients with rearranged oncogenes of the human pappillomavirus type 16. *Distinguished Scientific Fellowship Program, King Saud University, Saudi Arabia. US \$ 200,000; 2010-2013.*
7. Team member: Development of Respiratory Viral Particulate Subunit Vaccine. *Center of Excellence in Biotechnology Research, King Saud University, Saudi Arabia. Grant No. CEBR-NRL 2011/02 (US \$ 100,000); 2011-2013.*
8. Team member: Development and validation of molecular diagnostic kit using nano- and recombinant DNA technology for: A- Mutation detection and B- Interferon monitoring. *Center of Excellence in Biotechnology Research, King Saud University, Saudi Arabia. Grant No. CEBR -02; 2009-2010.*
9. Team member: West Nile fever virus: Current molecular status and new diagnostic approach based on the use of genetic engineered based proteins. *National Academy of Science and Technology, Egypt. US \$ 80,000; 2005-2009.*
10. Team member: Production of a combined genetically engineered bovine rota- and corona-virus subunit vaccine. *National Academy of Science and Technology, Egypt. US \$ 162,000; 2002-2008.*
11. Team member: Preparation of TK- capripox virus recombinant vaccine expressing different immunizing proteins of BVDV. *National Academy of Science and Technology, Egypt. US \$ 200,000; 1998-2007.*
12. Team member: Production of monoclonal antibodies to avian infectious bronchitis and avian reo viruses and their use in the production of diagnostic kits. *National Academy of Science and Technology, Egypt. US \$ 100,000; 1998-2002.*
13. Team member: Serological surveillance of lumpy skin disease virus in different Egyptian governorates. *General Organization of Veterinary Services, Ministry of Agriculture, Egypt. 1998-1999.*
14. Team member: Neonatal mortalities among newly born calves and lambs (tri-national Project). *Middle East Research Cooperation, USAID, USA. 1998-2001.*

Scientific Missions:

- 1- Development of a novel system for the detection of bovine coronavirus in clinical samples using Recombinase polymerase amplification. *Department of Virology, University Medical Center, Goettingen, Germany (June 2012).*

- 2- Development of a new system for accurate mRNA quantification of the Xcr-1 gene using Taqman real-time PCR. *Department of Molecular Immunology, Robert Kock-Institute, Berlin, Germany* (June-Sept. 2006).

Thesis (Supervision):

- 1- Bayomi MM (2017). Algal-based expression of hemagglutinin (HA2) protein of avian influenza virus (AIV): A step towards a universal vaccine. Master Thesis, Cairo University.
 - 2- Farrag MA (2017). Development of novel recombinant DNA vaccine candidates to human respiratory syncytial viruses. PhD Thesis, King Saud University.
 - 3- Hamad ME (2016). Development of recombinant human respiratory syncytial virus DNA vaccine candidate: preclinical evaluation of efficacy, immunogenicity and safety in a mouse model. PhD Thesis, King Saud University.
 - 4- Qudari AS (2014). Association between sequence variations in hepatitis B virus of chronically infected Saudi patients with host genetic factors. PhD Thesis, King Saud University.
 - 5- Farrag MA (2012). Isolation, characterization and sequence analysis of human respiratory syncytial viruses in Saudi Arabia. Master Thesis, King Saud University.
 - 6- Shaman MS (2011). Detection and identification of human parainfluenza viruses from clinical samples using polymerase chain reaction. Master Thesis, King Saud University.
- Three master and one PhD theses registered at Virology Department, Faculty of Veterinary Medicine, Cairo University are ongoing.
 - Assisted in the laboratory guidance of 16 Master and 14 PhD students at different universities in Egypt and Saudi Arabia (Acknowledgments are available upon request).

Publications:

1. Abd El Wahed A, Patel P, Maier M, Pietsch C, Rüster D, Böhlken-Fascher S, Kissenkötter J, Behrmann O, Frimpong M, Diagne MM, Faye M, Dia N, Shalaby MA, Amer H, Elgamal M, Zaki A, Ismail G, Kaiser M, Corman VM, Niedrig M, Landt O, Faye O, Sall AA, Hufert FT, Truyen U, Liebert UG, Weidmann M (2021). Suitcase Lab for Rapid Detection of SARS-CoV-2 Based on Recombinase Polymerase Amplification Assay. *Analytical Chemistry* 93(4): 2627-2634. **[Impact factor: 6.785]**
2. Bayoumi M, El-Saied M, Ahmed B, El-Mahdy M, Amer H (2021). Gallid Alphaherpesvirus 2 in the Egyptian Turkeys: Molecular Characterization and Establishment of a Universal System for Phylogenetic Classification. *Intervirology*, In press. **[Impact factor: 1.235]**

3. Farrag MA, Amer HM, Bhat R, Almajhdi FN (2021). Sequence and phylogentic analysis of MERS-CoV in Saudi Arabia, 2012–2019. *Virology Journal*, In Press. [Impact factor: 2.579]
4. Ahmed BM, Amer HM, Kissenkoetter J, Abd El Wahed A, Bayoumi MM, Bohlken-Fascher S, Elgamal MA, Yehia N, Yousif AA, Shalaby MA (2020). Evaluating two approaches for using positive control in standardizing the avian influenza H5 reverse transcription recombinase polymerase amplification assay. *Molecular and Cellular Probes*, 101511. [Impact factor: 1.951]
5. Bayoumi M, El-Saied M, Amer H, Bastami M, Sakr EE, El-Mahdy M (2020). Molecular characterization and genetic diversity of the infectious layngotracheitis virus strains circulating in Egypt during the outbreaks of 2018 and 2019. *Archives of Virology*, 165(3): 661-670. [Impact factor: 2.243]
6. Farrag MA, Amer HM, Aziz IM, Hamed ME, Alsaleh AN, Almajhdi FN (2020). The emergence of subgenotype ON-1 of respiratory syncytial virus type A in Riyadh, Saudi Arabia: A new epizootic of the virus epidemiological dynamic. *Journal of Medical Virology*, 92(8): 1133-1140. [Impact factor: 2.021]
7. Farrag MA, Hamed ME, Amer HM, Almajhdi FN (2019). Epidemiology of respiratory viruses in Saudi Arabia: toward a complete picture. *Archives of Virology*, 164(8):1981-1996. [Impact factor: 2.243]
8. Ahmed ME, Soliman R, Eljakee J, El-Sanousi A, Amer H, El-Sabagh I, El-Redii R, Talima H, Nazmy W (2019). Preparation of Hybridomas Producing Monoclonal Antibodies against Aflatoxin B1 as a Tool to Control Hepatocellular Carcinoma. *International Journal of Pharmacology, Phytochemistry and Ethnomedicine*, 13: 1-12.
9. Amer HM (2018). Bovine-like coronaviruses in domestic and wild ruminants. *Animal Health Research Reviews*, 19: 113-124. [Impact factor 3.833]
10. Hamad ME, Amer HM, Farrag MA, Osman A, Almajhdi FN (2018). Naked DNA vaccination with full-length attachment gene of human respiratory syncytial virus Saudi strain induces protective immune response with no enhancement of pulmonary inflammation. *Acta Virologica*, 62(2):137-146. [Impact factor 0.793]
11. Farrag MA, Amer HM, Hamad MA, Öhlschläger P, Almajhdi FN (2017). Novel recombinant HRSV DNA vaccine candidates: Preclinical evaluation of immunogenicity and protection efficiency. *Human Vaccines and Immunotherapeutics*, 13(7):1586-1597. [Impact factor 2.619]
12. Amer HM (2016). Molecular Epidemiology of Human Metapneumovirus in Riyadh province, Saudi Arabia. *Journal of Molecular Microbiology and Biotechnology*, 26(6):414-421 [Impact factor 0.803]
13. Amer HM, Alshaman MS, Farrag MA, Hamad ME, Alsaadi MM, Almajhdi FN (2016). Epidemiology of 11 respiratory RNA viruses in a cohort of hospitalized children in Riyadh, Saudi Arabia. *Journal of Medical Virology*, 88(6):1086-1091. [Impact factor 2.021]

14. Al-Qudari AY, Amer HM, Abdo AA, Hussain Z, Al-hamoudi W, Alswat K, Almajhdi FN (2016). Surface Gene Variants of Hepatitis B Virus in Saudi Patients. *Saudi Journal of Gastroenterology*, 22(2):133-138. [Impact factor 1.990]
15. Al-Yahya S, Mahmoud L, Al-Zoghaibi F, Al-Tuhami A, Amer H, Almajhdi F, Polyak S, Khabar K (2015). Human cytokinome analysis for interferon response. *Journal of Virology*, 89(14): 7108-7119. [Impact factor 4.501]
16. Almajhdi FN, Senger T, Amer HM, Gissmann L, Öhlschläger P (2014). Design of a highly effective therapeutic HPV16 E6/E7-specific DNA vaccine: optimization by different ways of sequence rearrangements (shuffling). *Plos One*, 9(11): e113461. [Impact factor 2.740]
17. Latif A, Amer HM, Hamad ME, Alarifi SA, Almajhdi FN (2014). Medicinal plants from Saudi Arabia and Indonesia: *In vitro* cytotoxicity evaluation on Vero and HEp-2 cells. *Journal of Medicinal Plant Research*, 8(34):1065-1073.
18. Almajhdi FN, Farrag MA, Amer HM (2014). Group B strains of human respiratory syncytial virus in Saudi Arabia: molecular and phylogenetic analysis. *Virus Genes*, 48(2):252-259. [Impact factor 1.991]
19. Ali G, Amer HM, Almajhdi FN (2014). Hemagglutinin and Neuraminidase Genes of Influenza B viruses circulating in Riyadh, Saudi Arabia during 2010-2011: Evolution and Sequence Analysis. *Journal of Medical Virology*, 86(6):1003-1016. [Impact factor 2.021]
20. Almajhdi FN, Farrag MA, Amer HM (2014). Genetic diversity in the G protein gene of group A human respiratory syncytial viruses circulating in Riyadh, Saudi Arabia. *Archives of Virology*, 159:73–81. [Impact factor: 2.243]
21. Amer HM, Abd El Wahed AA, Shalaby MA, Almajhdi FN, Hufert TF Weidmann M (2013). A New Approach for Diagnosis of Bovine Coronavirus using Recombinase Polymerase Amplification Assay. *Journal of Virological Methods*, 193: 337-340. [Impact factor: 1.786]
22. Almajhdi FN, Alshaman MS, Amer HM (2012). Human Parainfluenza Virus Type 2 Hemagglutinin-Neuraminidase Gene: Sequence and Phylogenetic Analysis of the Saudi Strain Riyadh 105/2009. *Virology Journal*, 9:316. [Impact factor: 2.579]
23. Almajhdi FN, Alshaman MS, Amer HM (2012). Molecular Characterization and Phylogenetic Analysis of Human Parainfluenza Virus Type 3 Isolated From Saudi Arabia. *Journal of Medical Virology*, 84: 1304-1311. [Impact factor 2.012]
24. Amer HM, Shaltout AM, El-Sabagh IM, Sanousi AA, Shalaby MA (2011). Prevalence of Equine Herpes Viruses 1, 2 and 4 in Arabian horse population in Egypt. *African Journal of Microbiology Research*, 5 (27): 4805-4811.
25. Atwa MH, El-Sabagh IM, Amer HM, Samy SM, Yousif AA, Shalaby MA (2011). ZH501-VSVRI: Is it still the best choice for vaccination against Rift Valley Fever in Egypt? *Journal of Vaccine and Vaccination*, 2 (3): 1-5.

26. Mahmoud L, Al-Seif M, Amer H, Sheikh M, Almajhdi F, Khabar K (2011). GFP reporter system with transcriptional sequence heterogeneity for monitoring interferon response. *Journal of Virology*, 85 (18): 9268-927. [Impact factor 4.501]
27. Mahmoud L, Al-Seif M, Amer H, Sheikh M, Almajhdi F, Khabar K (2011). GFP Reporter system with transcriptional sequence heterogeneity for monitoring interferon response. *Cytokine*, 56: 47 [Abstract] [Impact factor 2.952]
28. Amer HM (2011). Baculovirus Expression Vector System: An efficient tool for production of heterologous recombinant proteins. *African Journal of Biotechnology*, 10 (32): 5927-5933.
29. Amer HM, Almajhdi FN. (2011). Development of a SYBR-Green based real-time PCR system for detection and quantification of Bovine Coronavirus. *Molecular and Cellular Probes*, 25 (2-3): 101-107. [Impact factor: 1.951]
30. Amer HM, Elzahed HM, Elabiare EA, Badawy AA, Yousef AA (2011). An Optimized PCR Assay Identifies Possible Contamination of Avian Virus Vaccines by Chicken Anemia Virus. *Journal of Veterinary Diagnostic Investigation*, 23 (1): 34-40. [Impact factor: 1.135]
31. Mady WH, Sanousi AA, Amer HM, El-Sabagh IM, Khafagy AM, Saber MS. (2010). First Year of the Highly Pathogenic Avian Influenza H5N1 Outbreak in Egypt: Rapid Antigenic/Molecular Diagnosis and Virus Isolation. *International Journal of Virology*, 6 (2): 73-81.
32. Al-Majhdi FN, Al-Jarallah A, Elaeed M, Latif A, Gissmann L, Amer HM (2009). Prevalence of Respiratory Syncytial Virus Infection in Riyadh During the Winter Season 2007-2008 and Different Risk Factors Impact. *International Journal of Virology*, 5 (4): 154-163.
33. Moustafa GZ, Anwer W, Amer HM, EL-Sabagh IM, Rezk A, Badawy EM. (2009). In vitro Efficacy Comparisons of Disinfectants Used in the Commercial Poultry Farms. *International Journal of Poultry Science*, 8 (3): 237-241.
34. Amer HM, Hussein, HA, El-Sabagh IM, El-Sanousi AA, Saber MS, Shalaby MA (2008). Baculovirus expression of the bovine coronavirus nucleocapsid protein in *spodopetra frugiperda* insect cells. *Egyptian Journal of Virology*, 5 (1): 284-303.
35. El-Sabagh IM, Hussein HA, Amer HM, El-Sanousi AA, Reda IM, Shalaby MA. (2008). Synthesis of the bovine rotavirus major neutralization antigen (VP7) using a baculovirus expression system. *Egyptian Journal of Virology*, 5 (1): 239-259.
36. Amer HM, Hussein HA, El-Sabagh IM, El-Sanousi AA, Saber MS, Shalaby MA (2007). Expression of the Bovine Coronavirus spike glycoprotein subunits in insect cells using recombinant baculoviruses. *Arab Journal of Biotechnology*, 10 (2): 385-398.
37. El-Sabagh IM, Husein HA, Amer HM, El-Sanousi AA, Reda IM, Shalaby MA (2007). Construction of a recombinant baculovirus expressing the major

capsid protein (VP6) of Bovine Rotavirus. *Arab Journal of Biotechnology*, 10 (2): 369–384.

38. Hussein HA, Saber MS, Amer HM, Shalaby MA, Reda IM (2002). Production and characterization of monoclonal antibodies to μ B and δ c proteins of Avian Reovirus. Proceeding of the 7th annual conference of the Egyptian Association of immunologists, January 24-26, 2002, pp. 25-33.

Submitted Manuscripts:

- 1- Hamed ME, Farrag MA, Amer HM, Aziz IM, Almajhdi FN. Human Bocavirus in Saudi Arabia: Molecular Epidemiology and Co-Infections among children with acute respiratory tract infections during 2014–2016. *Journal of Medical Virology*. [Impact factor: 2.021]
- 2- Farrag MA, Amer HM, Bhat R, Hamed ME, Aziz IM, Mubarak A, Alosaimi B, Alturaiki W. SARS-CoV-2: An overview of virus genetics, transmission, and immunopathogenesis. *Preprint*.
- 3- Hassanein SS, Sharaby MR, Tawfik NM, Rashed SA, Adel M, Fayez A, Mansour H, Amer H. Latest insights on the diagnostic approaches and treatment strategies of COVID-19. *Journal of Microbiology and Biotechnology*. [Impact factor: 1.992]

Publication Analytics

	Number of Articles	Number of Citations	h-index	I10-index	Remarks
Scopus	28	297	11	-	-
Google Scholar	40	516	14	15	-
Researchgate	39	399	12	-	RG Score 25.3

	Frequency	Percentage (%)	Total Impact Factor	Mean Impact Factor
Q1 Articles	5	13.2	22.360	4.472
Q2 Articles	8	21.0	18.593	2.324
Q3 Articles	12	31.6	16.508	1.376
Q4 Articles	8	21.0	2.028	0.254
Not a Q Article	5	13.2	0.00	0.00
TOTAL	38	100	59.489	1.552

GenBank: (A total of 179 published sequence)

1. **Gallid Alphaherpesvirus 1:** 20 sequence (Accession numbers MN233657 to MN233671 and MN233684 to MN233688).
2. **Gallid Alphaherpesvirus 2:** 1 sequence (Accession number MK261778).
3. **Human Bocavirus:** 10 sequences (Accession numbers MH427511 to MH427520).

4. **Middle East Respiratory Syndrome Coronavirus:** 16 sequences (Accession numbers KT624236 to KT624251).
5. **Human Metapneumovirus:** 25 sequences (Accession numbers KT032157 to KT032181).
6. **Hepatitis B virus:** 42 sequences (Accession numbers KF018176 to KF018217).
7. **Human respiratory syncytial viruses:** 41 sequences (Accession numbers MH388029 to MH388042, KC791694 to KC791697, KC763334 to KC763339, JX131637 to JX131645, and JF714705 to JF714712).
8. **Human parainfluenza viruses:** 7 sequences (Accession numbers JX131646 to JX131649, and HM460886 to HM460888).
9. **Influenza A viruses:** 4 sequences (Accession numbers MK089810, MK089827, MK089850, MK090657).
10. **Influenza B viruses:** 7 sequences (Accession numbers JQ771075 to JQ771079, JN663826 and JN663827).
11. **Equine herpes viruses:** 3 sequences (Accession numbers HQ191437, GU737539 and GU737540).
12. **Synthetic constructs:** 3 sequences (Accession numbers KY432885 to KY432887)

Books

1. Farrag MA, Amer HM, Almajhdi FN (2013). Human Respiratory Syncytial Virus in Saudi Arabia. Lambert Academic Publishing, Germany. ISBN 978-3-659-33036-0, pp. 304.
2. Amer HM (2012). Cloning and expression of bovine coronavirus: Emphasis on nucleocapsid gene and spike glycoprotein subunits. Lambert Academic Publishing, Germany. ISBN 978-3-8473-4938-9, pp. 300.
3. Sanousi AA, Shalaby MA, Saber MS, Hussein HA, Amer HM, Elsabagh IM, Yousef AA, Reda IM (2007). Virology: A Laboratory Manual. Three Editions. Publications of Faculty of Veterinary Medicine, Cairo University.
4. Sanousi AA, Shalaby MA, Saber MS, Samy AM, Hussein HA, Amer HM, Elsabagh IM, Yousef AA, Reda IM (2005). Notes on Special Virology. 1st Edition. Publications of Faculty of Veterinary Medicine, Cairo University.

AWARDS AND SPONSORSHIPS

1. International Publication Award, Cairo University (2019).
 2. Travel Sponsorship, Oxford Global Challenges Research Fund (2018)
 3. International Publication Award, Cairo University (2018).
 4. International Publication Award, Cairo University (2016).
 5. International Publication Award, Cairo University (2014).
 6. International Publication Award, King Saud University (2012).
 7. International Publication Award, Cairo University (2011).
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EDITORIAL AND REVISION ACTIVITIES IN PEER-REVIEWED JOURNALS

1. Advances of Animal and Veterinary Sciences [Editor-in-Chief; 2018-2019]
 2. Journal of Virological Sciences [Associate Editor]
 3. Emerging Microbes and Infection [Impact factor: 5.776]
 4. Applied Microbiology and Biotechnology [Impact factor: 3.530]
 5. Microbial Pathogenesis [Impact factor: 2.914]
 6. Infection, Genetics and Evolution [Impact factor: 2.773]
 7. Virology Journal [Impact factor: 2.579]
 8. Journal of Infection and Public Health [Impact factor: 2.447]
 9. Food Pathogens and Diseases [Impact factor: 2.441]
 10. Journal of Medical Virology [Impact factor: 2.021]
 11. Intervirology [Impact factor: 1.235]
 12. International Journal of Veterinary Science and Medicine
 13. African Journal of Microbiology Research
 14. Journal of Veterinary Advance
 15. International Journal of Virology
 16. Host and Viruses
-

COMMUNITY SERVICES

1. Participated in designing the scientific concepts and standards for Qiyas test of Biology for higher school students at Saudi Arabia (2012).
 2. Designing of proposed plans for establishment and development of specialized laboratories for diagnosis of livestock and/or poultry diseases for the General Organization of Veterinary Services (GOVS); Veterinary Military Hospital, Arabia Poultry Company and Ommat Poultry Company (2006-2008).
 3. Participation in the field services offered by "Center for Analysis and Applied Studies (CAAS), Faculty of Veterinary Medicine, Cairo University". Tasks included: isolation and identification of different animal and avian viruses, serological monitoring of maternal immunity and vaccine response, and vaccine quality control (1998-2009).
 4. Participation in the production of a combined local inactivated respiratory disease complex vaccine (Pneumo-3), Veterinary Serum and Vaccine Research Institute, Agriculture Research Center, Egypt. (1997-1998).
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RESEARCH INTERESTS

1. Development of optimized systems for rapid and sensitive diagnosis of viral diseases using advanced molecular techniques.
2. Studying the evolution and phylogeny of animal and human viruses.
3. Preparation and evaluation of subunit and DNA vaccines to the different viruses of health and economic importance.

MEMBERSHIP OF PROFESSIONAL SOCIETIES

1. Egyptian Veterinary Syndicate (Since 1997).
 2. Egyptian Society of Immunologists (Since 1998).
 3. Egyptian Veterinary Poultry Association (Since 2002).
 4. Egyptian Society of Virology (Since 2004).
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CONSULTATION

- 1- The scientific and technical advisor of DELTA for Trading and Development; a leading company for marketing life science products and diagnostics in Egypt (2006-2009).
 - 2- Establishment and technical counseling of the first real-time PCR laboratory in the Middle East for diagnosis of poultry diseases at Cairo Poultry Company (2007-2009).
 - 3- Technical follow up of the real-time PCR units at several private and governmental clinical laboratories Like: Saridar, Tiba lab, Autolab and Suez-Canal teaching hospital lab.
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PERSONAL INFORMATION

- Born in Ain Shams, Cairo, Egypt at September 25, 1974.
 - Married and father of two children (Saif; 2003 and Salma; 2007).
 - The Father is a former Associate Professor of Islamic History, Faculty of Dar El-Olum, Cairo University.
 - The oldest of three siblings; Aktham: A quality control manager in a leading Glass-manufacturing company in Egypt; and Akram: A lecturer of anesthesiology, Faculty of Medicine, Ain Shams University.
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USEFUL LINKS

- **Scopus:** <https://www.scopus.com/authid/detail.uri?authorId=36602135700>
 - **Pubmed:** <https://www.ncbi.nlm.nih.gov/pubmed/?term=Haitham+Amer>
 - **Orchid:** <https://orcid.org/0000-0002-0024-2451>
 - **GenBank:** <https://www.ncbi.nlm.nih.gov/nucleotide/?term=Amer+HM>
 - **Researchgate:** https://www.researchgate.net/profile/Haitham_Amer
 - **Google Scholar:** https://scholar.google.com/citations?user=ts_QE_0AAAAJ&hl=en
 - **Cairo University Scholars:** <http://scholar.cu.edu.eg/?q=hamoamer/>
 - **Academia:** <https://cairo.academia.edu/HaithamAmer>
 - **Linkedin:** <https://www.linkedin.com/in/haitham-amer-a02b593b/>
 - **Facebook:** <https://www.facebook.com/haitham.amer.12>
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