

Curriculum Vitae

Personal Information

Name: **Samy Gomaa Ahmed Kasem, BVSc, MSc., PhD**



Current position: Professor of Virology, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt,
Virus Expert, Department of Regulation and licensing for animal health, National Center for the prevention and control of plant pests and animal diseases (WEQAA), Riyadh, Saudi Arabia.

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Date of Birth: August 15, 1976

Place of Birth: Sidi Salem, Kafrelsheikh, Egypt

Marital status: Married, have 4 Childs

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Education Background

September 2010: PhD of Virology, Department of Veterinary Microbiology, Faculty of Applied Biological Sciences, Gifu University, Japan

March 2004: Master of Virology (M. V. Sc.), Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.

May 1999: Bachelor of Veterinary Medicine (B. V. Sc.), Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt (Very Good with Honor Grade)

Professional positions

December 2020 till Now: Professor of Virology, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.

December 2015 till 2020: Associate Professor of Virology, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.

June 2015 till now: Virus Expert, Department of Health and Veterinary Control, Ministry of Environment, Water and Agriculture, Riyadh, Saudi Arabia

April 2013 - June 2015 Director of the Central Analysis Laboratory for Diagnosis of Animal, Poultry and Fish Diseases, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt

March 2011 – April 2013 Deputy Director of the Central Analysis Laboratory for Diagnosis of Animal, Poultry and Fish Diseases, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.

December 2010 – March 2011 Technical Team Leader - Central Analysis Laboratory for Animal, Poultry and Fish Diseases Diagnosis, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt

October 2010 - December 2015: Lecturer of Virology, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt

October 2006 - September 2010: PhD student, Department of Veterinary Microbiology, Faculty of Applied Biological Sciences, Gifu University, Japan

May 2004- September 2006: Assistant Lecturer of Virology, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt

June 2001- April 2004: Demonstrator of Virology, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt

Dissertation and project work for degrees

September 2010: *Molecular Biological Studies on the Pathogenesis of Equine Herpesviruses.* Thesis submitted in part fulfillment of the requirement for PhD in Veterinary Microbiology, Department of Veterinary Sciences, Gifu University, Japan

March 2004: *Serosurveillance on Bovine Ephemeral Fever Virus disease in Delta provinces.* Thesis submitted in part fulfillment of the requirements for M. V. Sc. in the Microbiology Department, Faculty of Veterinary Medicine, Kafr El Sheikh University, Egypt

Projects

- Investigator for a project entitled *“Research on ChAdox vaccine against MERS-CoV”* funded by King Abdullah Research Center for 1 years from 2018 to 2019.
- Investigator for a project entitled *“Molecular Characterization of Bovine Ephemeral Fever Virus Egyptian Strain for Improving Locally Produced Vaccines”* funded by Egyptian Ministry of Scientific Research (STDF) for 3 years from 2012 to 2015.
- Investigator for a project entitled *“Research on lethal pathogenicity of herpesviruses in alien hosts”*, funded by Monbusho, JSPS, for 3 years from 2009 to 2011.

- Investigator for a project entitled “*Pathobiological Proteomics of a new lethal neuropathogenic herpesvirus pathogenesis*” funded by Monbusho, JSPS, for 3 years finished on 2007.

Fellowships

October 2006-September 2010: 4-years scholarship from the Egyptian Ministry of Higher Education for studying PhD in Japan,

September 2011- January 2012: Postdoctoral fellowship from the Microbiology Department, Faculty of Applied Biological Sciences, Gifu University. Japan.

November 2013- May 2014: Postdoctoral fellowship from the Egyptian Ministry of Higher Education, Egypt.

Teaching activities

June 2001- September 2006: Teaching the clinical course of virology and a staff member in summer training programs for third grade students, Faculty of Veterinary Medicine, Kafr El Sheikh University, Egypt

October 2006- September 2010: Teaching Assistance for the clinical Microbiology, Department of Veterinary Microbiology, Faculty of Applied Biological Sciences, Gifu University, Japan

October 2010 till now: Teaching the course of virology for third grade students, Faculty of Veterinary Medicine, Kafr El Sheikh University, Egypt

Job duties at the Ministry of Environment, Water and Agriculture in the Kingdom and WEQAA Center

- Member of the Scientific Committee of the Ministry of Environment, Water and Agriculture
- Rapporteur of the Committee on Vaccines and Veterinary Medicines at the Ministry of Environment, Water and Agriculture
- Member of the Committee for Writing Strategic Plans for Livestock Diseases (FMD, Avian Influenza, Rift Valley Fever, Peste des Petits Ruminants, African Horse Plague, Lumpy Dermatitis)
- Member of the Middle East Respiratory Syndrome Plans and Control Committee
- Member of the Committee for the Control and Control of Common Diseases at the Ministry of Health, representing the Ministry of Environment, Water and Agriculture
- Member of the Committee for Classification and Isolation of Pathogens of Livestock in the Kingdom
- Member of the Veterinary Vaccine Evaluation Committee at the Ministry of Environment, Water and Agriculture
- Technical responsible for equine diseases control and eradication
- Technical Responsible for Middle East Respiratory Syndrome control and eradication at the Ministry of Environment, Water and Agriculture.

Techniques

- Microbiological techniques, sub-culturing, and characterization of viruses and bacteria
- Protein extraction, purification, and characterization techniques
- Molecular biology techniques such as extraction of DNA and RNA, Western blotting, PCR, Real time RT-PCR and DNA sequencing and analyzing
- Gene cloning, recombinant protein expression, and other related skills
- Cell culturing and related skills
- Virus recombination (deletion, insertion mutation, BACmid, and transposon mutation)
- Virus pathogenicity: in-vitro and in vivo analysis
- Lab animals handling and animal experimental design
- Histopathology, immunoassaying, and Immunohistochemistry
- Serological assays such as ELISA, virus neutralization, fluorescent techniques,
- Microbiological analysis of pharmaceutical products
- Some computer applications like word, power point, excel, etc.
- Statistical analysis: ANOVA, T test, Chi square, Regression, Correlation, and Fisher exact test

Language Proficiency:

- Arabic:** Mother tongue
- English:** Excellent (Reading, Writing, and Speaking).
- Japanese:** Good (Speaking) and fair (Reading and Writing)

International Membership, Reviewer activities

- A member of the Egyptian Veterinary Medical Association
- A member of the World Society for Virology
- A member of the Saudi Veterinary Medical Association
- A Member of The American Society for Microbiology

Reviewer activities

- Transoundary and Emerging diseases
- Journal of Infection and Public health
- Future Virology
- Risk Management and Healthcare Policy Journal
- Journal of infection in developing Countries
- Asian Pacific Journal of Tropical Medicine
- Acta Veterinaria Eurasia
- Kafrelsheikh Veterinary Medical Journal

Scientific Publications

Peer Reviewed Journal Articles:

A) Published:

1. Fanan A. Alaql, Ali N. Alhafufi, **Samy Kasem**, Yousef M. O. Alhammad, Hassan Albaqshi , Ameen Alyousaf, Faisal M. Alsubaie, Ahmed N. Alghamdi , Ahmed S. Abdel-Moneim and Sulaiman A. Alharbi. Full-

- Length Genome of the Equine Influenza A Virus Subtype H3N8 from 2019 Outbreak in Saudi Arabia. *Animals*. 2022, 12, 2720.
2. **Samy Kasem**, O. Hashim, A. Alkarar, A. Hodhod1, A. Elias, M. Abdallah, A. Al-Sahaf, A. Al-Doweriej, I. Qasim, A. S. Abdel-Moneim. Serological cross-sectional survey of equine infectious anemia in Saudi Arabia. *Polish Journal of Veterinary Sciences*. 2022. 25 (3): 365–368
 3. Abdelmohsen Alnaeem, **Samy Kasem**, Ibrahim Qasim, Mohamed Refaat, Ali Nasser Alhufufi, Ali Al-Doweriej, Abdulkareem Al-Shabebi, Abd-El Rahman Taha Hereba, Maged Gomaa Hemida. Scanning Electron Microscopic Findings on Respiratory Organs of Some Naturally Infected Dromedary Camels with the Lineage-B of the Middle East Respiratory Syndrome Coronavirus (MERS-CoV) in Saudi Arabia—2018. *Pathogens* 2021, 10(4), 420
 4. **Samy Kasem** ,Ali Al-Doweriej, Ibrahim Qasim, Ali Nasser Alhufuf1, Nader Alharbi, Sanad Alharbi, Ahmed Youssef. Molecular Investigation of MERS-CoV in Camels Related to Confirmed Human Cases in Saudi Arabia (2017-2019). *Advances in Animal and Veterinary Sciences*, 2021.
 5. Alnaeem, A.; **Kasem, S.**; Qasim, I.; Refaat, M.; Alhufufi, A.N.; Al-Doweriej, A.; Al-Shabebi, A.; Hereba, A.-E.R.T.; Hemida, M.G. Electron Microscopic Findings on Respiratory Organs of Some Naturally Infected Dromedary Camels with the Lineage-B of the Middle East Respiratory Syndrome Coronavirus (MERS-CoV) in Saudi Arabia. *Pathogens*, 2021.
 6. Mostafa A. Elmadawy, **Samy Kasem**, Ali Al-Doweriej, Mohamed Abdelatif, Abdelwadood, M. M, Ammar I. Mohammed. The highly incident causes of accidental poisoning in camels and sheep in Saudi Arabia and their economic impact. *Kafrelsheikh Veterinary Medical Journal*. 2020.
 7. Osama Abas, Walied Abdo , **Samy Kasem** , Abdulatif Alwazzan , Asmaa G. Saleh ,Ibrahim G. Saleh , Hideto Fukushi , Tokuma Yanai and Mohie Haridy. Time Course-Dependent Study on Equine Herpes Virus 9-Induced Abortion in Syrian Hamsters. *Animals*. 2020.
 8. Salwa Mohamed Hezema, Samy Kasem, Emad Eldin Elgend1, Madiha Salah Ibrahim. Production and characterization of NDV IgY from two different chicken breeds. *European journal of pharmaceutical and medical research*. 2020.
 9. Abdelmohsen Alnaeem, **Samy Kasem**, Ibrahim Qasim, Ali Al-Doweriej, Ali Al-Houfufi, Abdulatif Alwazan, Abdalaziz Albadrani, Khuzayyim Alshaammari, Mohamed Refaat, Abdulkareem Al-Shabebi & Maged Gomaa Hemida. Some pathological observations on the naturally infected dromedary camels (*Camelus dromedarius*) with the Middle East respiratory syndrome coronavirus (MERS-CoV) in Saudi Arabia 2018-2019. *Veterinary Quarterly*. 2020.
 10. Naif Khalaf Alharbi, Osman H. Ibrahim, Ali Alhafufi, **Samy Kasem**, Ali Aldowerij, Raed Albrahim, Ali Abu-obaidah, Ali Alkarar, Faisal Altaib

- Bayoumi, Ali Mohammed Almansour, Musaad Aldubaib, Hail M. Al-Abdely, Hanan H. Balkhy and Ibrahim Qasim. Challenge infection model for MERS-CoV based on naturally infected camels. *Virology Journal*. 2020.
11. Abdelmohsen Alnaeem, **Samy Kasem**, Ibrahim Qasim, Ali Al-Doweriej, Mohamed Refaat, Abdulkareem Al-Shabebi, Maged Gomaa Hemida. The dipeptidyl peptidase-4 expression in some MERS-CoV naturally infected dromedary camels in Saudi Arabia 2018–2019. *Virus disease*. 2020.
 12. Yasmeen S. Rashwan¹, Noura F. Alkhalefa², Mohamed A. Nayel, Abdel-Hamid I. Bazid, Yassien Badr, **Samy G. Kasem**, Salah El Balal, Momtaz Wasfy and Magdy El- Sayed. Molecular detection and phylogenetic analysis of equine herpesviruses associated with respiratory manifestation in Egyptian horses. *Bioscience research*, 2019.
 13. Naif Khalaf Alharbi, Ibrahim Qasim, Abdulrahman Almasoud, Haya A. Aljami, Mohamed W. Alenazi, Ali Alhafufi, Omar S. Aldibasi, Anwar M. Hashem, **Samy Kasem**, Raed Albrahim, Musaad Aldubaib, Ali Almansour, Nigel J. Temperton, Alexandra Kupke, Stephan Becker, Ali Abu-obaidah, Ali Alkarar, In-Kyu Yoon, Esam Azhar, Teresa Lambe, Faisal Bayoumi, Ali Aldowerij, Osman H. Ibrahim, Sarah C. Gilbert & Hanan H. Balkhy. Humoral Immunogenicity and Efficacy of a Single Dose of ChAdOx1 MERS Vaccine Candidate in Dromedary Camels. *Scientific Reports*. 2019.
 14. Keisuke Saito, Mohie Haridy, Walied Abdo, Ahmed El-Morsey, **Samy Kasem**, Yukiko Watanabe, and Tokuma Yanai. Poxvirus infection in a Steller's sea eagle (*Haliaeetus pelagicus*). *The Journal of Veterinary Medical Science*. 2019
 15. **Samy Kasem**, Raed Hussein, Ali Al-Doweriej, Ibrahim Qasim, Ali Abu-Obeida, Ibrahim Almulhim, Hassan Alfarhan, Ahmed Hodhodd, Mohamed Abel-latif, Osman Hashim, Dakhil Al-Mujalli, Ali AL-Saha. Rabies among animals in Saudi Arabia. *Journal of Infection and Public Health*. 2019
 16. A.A.M. Elfadil, A.G. Ahmed, M.O. Abdalla, E. Gumaa, O.H. Osman, A.E. Younis, A. Abu-Obeida, A.N. Al-Hafufi, L.J. Saif, A. Zaki, A. Al-Rumaihi, N. Al-Harbi, **S. Kasem**, R.H. Al-Brahim, A. Al-Sahhaf, F.E. Bayoumi, A. Al-Dowairij & I.A. Qasim. Epidemiological study of Middle East respiratory syndrome coronavirus infection in dromedary camels in the Kingdom of Saudi Arabia, April–May 2015. *Rev. Sci. Tech. Off. Int. Epiz*. 2018.
 17. Alkhalefa N., El-abasy M., **Kasem S.** & E. Abu El-naga. Molecular characterization of infectious bursal disease virus (IBDV) isolated from commercial broiler chickens in Nile delta, Egypt. *Bulgarian Journal of Veterinary Medicine*. 2018
 18. Emad Beshir Ata, Ahmed Zaghawa, Alaa A. Ghazy, Ahmed Elsify, Khaled Abdelrahman, **Samy Kasem**, Mohamed Nayel. Development and

- characterization of ORF68 negative equine herpes virus type-1, Ab4p strain. *Journal of Virological Methods*. 2018
19. Al-Ghadeer H, Chu DKW, Rihan EA, Abd-Allah EA, Gu H, Chin AWH, Qasim IA, Aldoweriej A, Alharbi SS, Al-Aqil MA, Al-Sahaf A, Abdel Rahman SS, Aljasseem AH, Abdul-Al A, Aljasir MR, Alhammad YMO, **Kasem S**, Peiris M, Zaki AZSA, Poon LLM. Circulation of Influenza A (H5N8) Virus, Saudi Arabia. *Emerging Infectious Diseases*. 2018
 20. **Samy Kasem**, Ibrahim Qasim, Ali Al-Doweriej, Osman Hashim, Ali Alkarar, Ali Abu-Obeida, Mohamed Saleh, Ali Al-Hofufi, Hussein Al-Ghadier, Raed Hussien, Ali AL-Sahaf, Faisal Bayoumi, Asmaa Magouz. The prevalence of Middle East respiratory Syndrome coronavirus (MERS-CoV) infection in livestock and temporal relation to locations and seasons. *Journal of Infection and Public Health*. 2018
 21. **Samy Kasem**, Noura Alkhalefa, Asmaa Magouz, Basma Ebrahim, Mohamed Khodier, Walied Abdo and Abdelrazek Desouky. Phylogenetic analysis of bovine ephemeral fever virus isolated from Egyptian outbreaks in (2013 to 2016). *Kafrelsheikh Veterinary Medical Journal*. 2018.
 22. **Samy Kasem**, Mohamed Saleh, Ibrahim Qasim, Osman Hashim, Ali Alkarar, Ali Abu-Obeida, Albagir Gaafer, Raed Hussien, Ali AL-Sahaf, Ali Al-Doweriej, Faisal Bayoumi, Ahmed Hodhood, Mohamed Abdelatif. Outbreak investigation and molecular diagnosis of Lumpy skin disease among livestock in Saudi Arabia 2016. *Transboundary and Emerging Disease*. 2017
 23. **Samy Kasem**, Ibrahim Qasim, Ali Al-Hufofi, Osman Hashim, Ali Alkarar, Ali Abu-Obeida, Albagir Gaafer, Abdelhamid Elfadil, Ahmed Zaki, Ahmed Al-Romaihi, Nasereldeen Babekr, Nadr El-Harby, Raed Hussien, Ali AL-Sahaf, Ali Al-Doweriej, Faisal Bayoumi, Leo L.M. Poon, Daniel K.W. Chu, Malik Peiris. Cross-sectional study of MERS-CoV-specific RNA and antibodies in animals that have had contact with MERS patients in Saudi Arabia. *Journal of Infection and Public Health*. 2017
 24. Nermeen El-Kholy, **Samy Kasem**, Samy Khalil and Ahmed Amin. Evaluation of an enzyme immunoassay for hepatitis c virus core antigen as a diagnostic test for detection of hepatitis c virus infection in comparison to real-time RT-PCR. *Alexandria Journal of Veterinary Sciences*. 2017
 25. Mohamoud Attia, Emad Elgendy, Momtaz Shahein, **Samy Kasem**, Madiha Salah. Co-circulation of three different serotypes of FMD virus in Egypt. *Journal of Virological Sciences*. 2017
 26. **Samy Kasem**, Suzan Abdel Fatah, Mohamed Khodier and Abdelrazek Desouky. Evaluation of the Efficacy of Simultaneous Vaccination of Cattle against Rabies and Foot and Mouth Disease Viruses. *Global Veterinaria*. 2017
 27. Hasnaa Ahmed, Mohamed Khodier, **Samy Kasem**, Abd El-Galil El-Gohary. Protective efficacy of commercial new castle disease vaccines

- against virulent genotype VII Newcastle disease virus. Kafrelsheikh Vet. Med. J. 2017
28. Heba N. El-Behery, Sanaa S. Awad and **S.G. Kasem**. Molecular Characterization of Infectious Bronchitis Virus in Chicken. Egypt. J. Vet. Sci. 2016
 29. Ahmed El-Morsey, Mahmoud El-Seify, Abdel-Razik Y. Desouky, Mohamed M. Abdel-Aziz, Khaled Mohamed El-Dakhly, **Samy Kasem** , Walied Abdo, Mohie Haridy, Hiroki Sakai and Tokuma Yanai. Morphologic and molecular characteristics of *Sarcocystis atraii* n. sp. (Apicomplexa: Sarcocystidae) infecting the common coot (*Fulica atra*) from Egypt. Acta Parasitologica. 2015
 30. Azza Abdelgawad , Robert Hermes , Armando Damiani , Benjamin Lamglait , Gábor Á. Czirják , Marion East , Ortwin Aschenborn , Christian Wenker , **Samy Kasem** , Nikolaus Osterrieder , Alex D. Greenwood. Comprehensive Serology Based on a Peptide ELISA to Assess the Prevalence of Closely Related Equine Herpesviruses in Zoo and Wild Animals. Plos One. 2015
 31. **Samy Kasem**, Asmaa Magouz, Magdy Abdelaty, Gabr Elbagoury and Abeer Zagloul. Isolation and Molecular Characterization of Foot and Mouth Disease Virus in Kafrelsheikh governorate, Egypt 2014. Kafrelsheikh Vet. Med. J. 2015
 32. **Samy Kasem**, Atyat Kotb, Yasser Hafez and Naglaa Al-Maria. Isolation and identification of canine adenovirus-2 the causal agent of kennel cough from the Egyptian dogs. Kafrelsheikh Vet. Med. J. 2015
 33. **Samy Kasem**, Mohamed Hasaan Khodeir, Gabr Elbagoury and Eman Hossam. Incidence investigation of lumpy skin disease virus in cattle in Dakahlia governorate, 2012. Mansoura Vet. Med. J. 2015
 34. **Samy Kasem**, Ali Abdelkader, Abdelnaby Tahoond and Hanan Shaban. Phylogenetic analysis of recent Infectious Bronchitis Virus isolates from broiler chicken farms in Kafrelsheikh, Egypt. Benha Veterinary Medical Journal. 2015
 35. **SamyKasem**, Nagwa Abdel Aziz Shalaby, Ali Abdel Kader Mansour and Mahmoud Mohamed El Samaloty. Molecular characterization and phylogenetic analysis of Infectious Bursal Disease Virus (IBDV) isolated from broiler chicken in Kafrelsheikh Governorate, Egypt 2013. Kafrelsheikh Vet. Med. J. 2015
 36. **Samy Kasem**, Mohamed Hasaan Khodeir, Salwa, M. Helmy and Mohamed Hussein. Molecular characterization of the recent Egyptian isolates of infectious bursal disease virus. Kafrelsheikh Vet. Med. J. 2015
 37. Madiha Ibrahim, Lamia Ahmed, **Samy Kasem**, Ahmed Hodhod. Molecular Study on Foot and Mouth Disease Virus in Beheira Governorate, Egypt during 2014. Alexandria Journal of Veterinary Sciences, 45(1): 151-160. 2015

38. **Samy Kasem**, Al-Said Dawod, Mohamed Khodier, Atyat Kotb, Manal abouelyazeed, Samia Abdel kareem and Basma Ibrahim. Isolation and Characterization of Bovine Ephemeral Fever Virus in Delta Provinces, Egypt 2012. *Global Veterinaria* 13 (6): 972-976. 2014.
39. Tarek Kamal, Mustafa Shukry, Azza M. Elkattawy, **Samy Kasem**, Fatma Samir Elassal, Nagwan El- Habashi. Biochemical effect of some medical herbs on induced hepatotoxicity in rat. *Kafrelsheikh Vet. Med.* 2014.
40. **Samy Kasem**, Moshira El-Abasy, Gabr El-Bagory and Asmaa Magoz. Molecular Characterization and Phylogenetic Analysis of Avian Influenza Virus Circulating in Kafrelsheikh Governorate, Egypt. *Global Veterinaria* 12 (4): 532-540. 2014.
41. Moshira A. El-Abassy, **Samy Kasem**, El-Bagoury G. Fekry and Asmaa F. Magouz. Molecular survey of avian respiratory viruses in commercial broiler and layer flocks with respiratory manifestation in Kafrelsheikh governorate. *Kafrelsheikh Vet. Med. J.* 11 (1): 91-111. 2013.
42. **Kasem, S.**, Khodier, M., El-Bagoury, G., AbdelFatah, S. Effects of some antiviral agents in emergency cases of Rabies simulating in mice. *Kafrelsheikh Vet. Med. J.* Vol. 10 (2), 23-37, December 2012.
43. **Kasem, S.**, Safaa, A. W., Khodeir, M. H.: Susceptibility of different cell cultures to Equine Herpesvirus-1. *Suez Canal Veterinary Medicine Journal*, 17(2), 139-146, November 2012.
44. Khalid, K., Abdella, M., **Kasem, S.**, Mahmoud, E. and Naglaa, F.: Diagnostic biomarkers of Infectious Canine Hepatitis in experimentally infected puppies. *Kafrelsheikh Veterinary Medical Journal*, 10 (1): 97-125, April 2012.
45. Manal, A., **Kasem, S.**, Amr, I., Ahmed, S., Safyeldin, M. and Ismail, I.: Comparative studies on updated isolates of Foot and Mouth Disease Virus in cattle in kafr El Sheikh Governorate. *Zagazig Veterinary Journal*, 40 (3): 54-63, March 2012.
46. El-Nahass, E., El-Habashi, N., Abdelaziz, A., Nayel, M., **Kasem, S.**, Fukushi, H., Tuji, H., Hirata, A., Sakai, H. and Yanai, T.: Kinetics and pathogenicity of oral Infection by Equine Herpesvirus-9 in mice and suckling hamsters. *Journal of Comparative Pathology*, 146 (2-3): 211-222, February-April 2012.
47. Yu, M.H.H., **Kasem, S.**, Yoshizaki, N., Pagamjav, O., Yamaguchi, T., Ohya, K., Fukushi, H.: Functional characterization of EUL47 in productive replication, morphogenesis and infectivity of equine herpesvirus 1. *Virus Research*, 163: 310-319, January 2012.
48. El-Nahass, E., El-Habashi, N., Nayel, M., **Kasem, S.**, Fukushi, H., Suzuki, Y., Hirata, A., Sakai, H. Yanai, T.: Kinetics and Pathogenicity of Equine Herpesvirus-9 infection following intraperitoneal inoculation in hamsters. *Journal of Comparative Pathology*, 145(2-3): 271-281, August-October; 2011.

49. Kodama, A., Yanai, T., Kubo, M., El-Habashi, N., **Kasem, S.**, Sakai, H., Masegi, T., Fukushi, H., Kuraishi, T., Yoneda, M., Hattori, S. and Kai, C.: Cynomolgus monkeys (*Macaca fascicularis*) may not become infected with equine herpesvirus 9. *Journal of Medical Primatology*. 40(1): 18-20, February 2011.
50. **Kasem, S.**, Mi Htay Htay Yu, Yamada, S., Kodaira, A., Matsumura, T., Tsujimura, K., Madbouly, H., Yamaguchi, T., Ohya, K. and Fukushi, H.: The ORF37 (UL24) is a neuropathogenicity determinant of Equine herpesvirus 1 (EHV-1) in the mouse encephalitis model. *Virology* 400 (2): 259-270, May 2010.
51. Yu, M.H.H., **Kasem, S.**, Tsujimura, K., Matsumura, T., Yanai, T., Yamaguchi, T., Ohya, K. Fukushi, H.: Diverse pathogenicity of equine herpesvirus 1 (EHV-1) Isolates in CBA mouse model. *Journal of Veterinary Medical Sciences*, 72(3): 301-306, March 2010.
52. **Kasem, S.**, Yamada, S., Kiupel, M., Woodruff, M., Ohya, K. Fukushi, H.: Equine herpesvirus type 9 in giraffe with encephalitis. *Emerging Infectious Diseases*. 14(12): 1948-1949, December 2008.

B) Papers and posters in international conferences:

1. **Kasem, S.**, Yu, M.H.H., Ohya, K. Fukushi, H. The ORF37 (UL24) is a neuropathogenicity determinant of equine herpesvirus 1 (EHV-1) in the mouse encephalitis model. Presented as Poster No: 37 in the 14th international conference on Immunology and Prophylaxis of Human Herpesvirus Infections. October 6-8, 2009 at Kobe, Japan.
2. Nayel, M., **Kasem, S.**, Yu, M.H.H., Ohya, K., Fukushi, H. Investigation of equine herpes 1 ORF76 (Us9) role in neurovirulence. Presented as Poster No: 39 in the 14th international conference on Immunology and Prophylaxis of Human Herpesvirus Infections. October 6-8, 2009 at Kobe, Japan.
3. **Kasem, S.**, Yu, M.H.H., Ohya, K., Fukushi, H. In vitro and in vivo characterization of equine herpes virus -1 thymidine kinase deficient mutant. Presented in 150th conference of the Japanese Society of Veterinary Sciences. September 16-19, 2010 at Hokkaido, Japan.

Postgraduate students' supervision

S	Title of theses	Name of student	Master/PHD	Year
1	Evaluation of the efficacy of simultaneous vaccination of cattle against rabies and foot and mouth disease viruses	Suzan Abdelfattah	PhD	2017
2	Molecular Biotechnological study on the pathogenicity of Equine Herpesviruses	Noura Faysal	PhD	2015
3	Molecular studies on some viruses causing respiratory affections in chickens in	Asmaa Fawzy Magoz	PhD	2013

	Kafrelsheikh Governorate			
4	Phylogenetic analysis of bovine ephemeral fever virus isolated from Egyptian outbreaks in (2013 to 2016)	Basmaa Ibrahim	Master	2018
5	Molecular characterization of infectious bursal disease virus (IBDV) isolated from commercial broiler chickens in Nile delta, Egypt	Enas AbouNaga	Master	2018
6	Molecular Characterization of Infectious Bronchitis Virus in Chicken	Heba N El-Behery	Master	2016
7	Isolation and molecular characterization of foot and mouth disease virus in kafrelsheikh governorate, egypt	Abeer Zagloul	Master	2015
8	Phylogentic analysis of recent infectious bronchitis virus isolates from broiler chicken farms in Kafrelsheikh, Egypt.	Hanan Shaban	Master	2015
9	Biochemical studies on the effect of some medical herbs on induced hepatotoxicity in Rats	Naglaa Almaria	Master	2015
10	Diagnostic biomarkers of infectious canine hepatitis in experimentally infected puppies	Naglaa fouad	Master	2014
11	Biochemical effect of some medicinal herbs on induced hepatotoxicity in rat	Fatma S. Elassal	Master	2014
12	Effects of some antiviral agents in emergency cases of rabies simulating in mice	Suzan Abdelfattah	Master	2012
13	Incidence investigation of Lumpy Skin Disease virus in Dakahlia Governorate, 2012	Eman Hossam	Master	2012

Training

1. Training on “Using advanced generation genetic sequencing technology to detect MERS virus in camels” held at King Abdulaziz City for Science and Technology. Feb 13-16, 2017.
2. Training on “Rapid diagnosis of emerging and re-emerging infectious diseases” held at the National Institute of Infectious Diseases. July 3-6, 2009.
3. Training on “Avian Influenza” held at the National Institute of Animal Health and participated in Asian Pig Veterinary Society. October 26-29, 2009.
4. Training on “Uses of Electron Microscopy” held at the Medical Research Institute - Alexandria - Egypt. October 19-24, 2002.

Scientific Conferences

- ✚ 1st Saudi Forum for Biosafety and Biosecurity. Held at King Saud University. Jan 23, 2020.

- ✚ The 5th Forum of Local Ethics Committees (IRBs). Held at King Abdulaziz City for Science and Technology. Sep 12-16, 2019.
- ✚ MERS-CoV: The current challenges and the future prospective. Held at King Faisal University. Feb 15-17, 2017.
- ✚ MERS-CoV vaccine development workshop.). Held at King Abdulaziz City for Science and Technology. Nov 14-15, 2015.
- ✚ The 150th Meeting of the Japanese Society of Veterinary Sciences. Held at Hokkido University. Japan. Sep16-18, 2010.
- ✚ Asian Pig Society 2009. Held at Tskuba University, Tokyo, Japan. Oct 26-29, 2009.
- ✚ The 14th International Conference on Immunobiology and Prophylaxis of Human Herpesvirus Infections. Held at Kobe, Japan. Oct 6-8, 2009.
- ✚ The 7th scientific conference of the Fish Resources Development Association. Held at Kafrelsheikh, Egypt. Oct 22, 2003.
- ✚ The first scientific conference of the Kafrelsheikh Faculty of Veterinary Medicine. Held at Kafrelsheikh, Egypt. May 6-8, 2002.

References

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