



## CURRICULUM VITAE

### I. PERSONAL INFORMATION

**Name:** Ehab Moustafa El-Nahas Mohammed Nasar  
**Qualifications:** B.V.Sc, M.V.Sc, Ph.D.  
**Social status:** Married + 5 kids  
**Telephone No:** Home: 02-42176083  
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[ehab.nasar@fvtm.bu.edu.eg](mailto:ehab.nasar@fvtm.bu.edu.eg)  
**Date of Birth:** July 3, 1975  
**Place of Birth:** Qalioubeya, Egypt  
**Current position:** Associate professor of Virology  
Faculty of Veterinary Medicine  
Benha University, Egypt.  
**Work Address:** Department of Virology, Moshtohor Faculty of Veterinary  
Medicine, Benha University,  
13736 Moshtohor, Toukh, Qalioubeya, Egypt  
**Home Address:** Noor St., El-Qanater El-Khairia, Qalioubeya, Egypt.



### EMPLOYMENT HISTORY

**Time:** From: 9-2012 to Current  
**Institute:** Faculty of Veterinary Medicine,  
Benha University, 13736 Moshtohor, Qalioubeya, Egypt  
**Position:** assistant professor of Virology  
**Duties:**

- Teaching general and special virology to undergraduate students;
- Teaching Lab of virology to undergraduate and postgraduate students;
- Scientific research for promotion to professor rank;
- Instructing junior researchers;
- Data analysis and manuscript writing.

### PREVIOUS EMPLOYMENTS

**Time:** From: 9-2007 to 9-2012  
**Institute:** Faculty of Veterinary Medicine,  
Benha University, 13736 Moshtohor, Qalioubeya, Egypt  
**Position:** Lecturer of Virology  
**Duties:**

- Teaching Lab of Virology to undergraduate students
- Teaching virology courses for undergraduate students.
- Teaching virology courses for postgraduate students.
- Teaching Lab of Virology to postgraduate students

**Time:** From: 8-2002 to 9-2007



**Institute:** Faculty of Veterinary Medicine,  
Benha University, 13736 Moshtohor, Qalioubeya, Egypt  
**Position:** Assistant Lecturer of Virology  
**Duties:**

- Teaching Lab of Virology to undergraduate students.

**Time:** From: 7-1999 to 8-2002  
**Institute:** Faculty of Veterinary Medicine,  
Benha University, 13736 Moshtohor, Qalioubeya, Egypt  
**Position:** Demonstrator of Virology  
**Duties:**

- Teaching Lab of Virology to undergraduate students

### **EDUCATIONAL BACKGROUND**

**i.**  
**Time:** From: 9-1993 to 12-1998  
**Institute:** Faculty of Veterinary Medicine,  
Zagazig University-Benha Branch, Moshtohor, Qalioubeya, Egypt  
**Degree obtained:** Bachelor of Veterinary Medical Sciences (BVMSc);  
Graded very good

**ii.**  
**Time:** From: 10-1999 to 6-2002  
**Institute:** Faculty of Veterinary Medicine,  
Zagazig University-Benha Branch, Moshtohor, Qalioubeya, Egypt  
**Degree obtained:** Master of Veterinary Medical Sciences (Virology);

**iii.**  
**Time:** From: 9-2002 to 7-2007  
**Institute:** Faculty of Veterinary Medicine,  
Benha University, Moshtohor, Qalioubeya, Egypt  
**Degree obtained:** Philosophy Doctor of Veterinary Medical Sciences (Virology);

### **EXPERIENCE**

#### **A. TEACHING EXPERIENCE:**

- i. Practical course of Virology to undergraduates (3<sup>rd</sup> grade B.V.Sc. Course)**
- Lab safety,
  - General scheme for viral isolation & identification
  - Sampling (Collection, Preservation, and preparation)
  - Viral isolation on lab. Animal, fertile eggs, and tissue culture
  - Cell culture techniques;
  - Purification and concentration of viruses;
  - Different techniques for Virus titration,
  - Serological techniques for viral identification,
  - Molecular virology
- ii. Academic courses of Virology to undergraduates (3<sup>rd</sup> grade B.V.Sc. Courses)**
- General Virology
  - Special Virology
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- iii. Academic courses Virology to postgraduates (M.D and Ph.D Courses)**
- General Virology (185)



- Special Virology(186)
- Diagnostic virology (187)
- Virology of reproductive animals (188)
- Virology of poultry and rabbits (189)
- virology of fish and aquatic animals (190)
- virology of farm animals(191)
- tumor viruses (192)

## **B. RESEARCH EXPERIENCE:**

### **i. Viral isolation and identification:**

- Preparation of suspected viral samples.
- Isolation on different susceptible host system including fertile egg and tissue culture.
- Electron microscopy and serological identification using SNT,AGPT,FAT, and ELISA
- Viruses of interest including ( RHDV, FMDV, LSDV, PPRV, CAV, IBV, IBDV, BEFV, BVDV, AI and NDV)

### **ii. Molecular characterization of viruses:**

- Extraction of viral nucleic acid.
- Primer design
- Application of PCR and Reverse transcriptase PCR for viral detection and characterization.
- Sequencing and phylogenic analysis of viral isolates.
- ( RHDV, FMDV, LSDV, PPRV, CAV, IBV, IBDV, BEFV, BVDV, AI and NDV)

### **ii. Production of conventional vaccines:**

- Preparation of Live and Inactivated Bovine Herpes Virus 1 gE-Negative Vaccines Induce Immune Response in Calves and Allow Serological Differentiation.
- Experimental Infection of Sheep with Strains of Rift Valley Fever Virus to select suitable strain for vaccine production.
- Evaluation of cross-protection between FMD serotypes O and A local Egyptian isolate with vaccinal strains in the local commercial and imported vaccines by challenge test.

### **ii. Improvement and evaluation of veterinary vaccines:**

- Evaluation of the humeral immune response in calves vaccinated with inactivated bivalent FMD Vaccines adjuvanted with montanide ISA50 or aluminium hydroxide gel.
- Comparative Evaluation of Prepared Inactivated Avian Influenza Virus (H5N2) Vaccines with Different Adjuvants.
- Comparative evaluation of prepared inactivated Rift valley fever virus vaccine with different adjuvants
- Assessment of two stabilizers used for lyophilized live attenuated peste des petits ruminants (ppr) vaccine.
- Antibody responses by calves after vaccination with commercial and enhanced potency inactivated pneumo-3 vaccines.

## **SOCIETIES AND ASSOCIATIONS**

- A member of Egypt veterinary Syndicate.



- A member of the Egyptian Society for Virology
- A member of the Egyptian Association of rabbit science
- A member of the Egyptian Association of immunologists

### **RECORD OF PUBLICATIONS:**

1. **El-Nahas, E.M.**, El-Sayed H. S., El-Bagoury, G.F., Sharawi,S.S., El-Habbaa, A.S., El-Basuni S.S. Genetic detection and characterization of HE and S genes of recent betacoronaviruses in rabbits from Egypt. *Revue de medecine veterinarie.*, under publication.
2. **El-Nahas, E.M.**, El-Sayed H. S., El-Basuni S.S., El-Bagoury, G.F. 2017. A genotyping of a new avian infectious bronchitis virus isolated from chickens proventriculus in Egypt. *J. of Virol. Sci.*, 1 pp. 54-66.
3. El-Bagoury, G.F., **El-Nahas, E.M.** Saad, M.A. and Abou-Senna, M.S., 2016. Humeral response of cattle to concentrated and purified FMD vaccine using different vaccination programmes. *Benha Veterinary Medical Journal* 31 (1), 132-136.
4. El-Bagoury, G.F., **El-Nahas, E.M.** Olfat A. Nakhla and Nesma M. Hassan., 2016. Baby Grivet Monkey Kidney (BGM) a new cell line for adaptation of fowl pox virus. *Benha Veterinary Medical Journal* 31 (1), 137-140
5. El-Bagoury, G.F., **El-Nahas, E.M.** and Abd-El-Monem, M.M., AboElkhair M.A., 2015. Molecular characterization of a recent Newcastle disease virus outbreak in Egypt. *Benha Veterinary Medical Journal* 29 (2), 303-308.
6. El-Bagoury, G.F., **El-Nahas, E.M.** and Abd-El-Monem, M.M., AboElkhair M.A., 2015. Detection and pathotyping of a recent Newcastle disease virus outbreak in Egypt. *Benha Veterinary Medical Journal* 29 (2), 297-302
7. Amin, A.A., **El-Nahas, E.M** and ElMashad, A. 2015. Pathological and Virological Studies on an Outbreak of Lumpy Skin Disease among Cattle in Kalubia Governorate-Egypt. *Journal of Advanced Veterinary Research*, 5(4), pp.165-175.
8. El-Bagoury, G.F., **El-Nahas, E.M.** Mansour M.A. and Kassem I.K.A. 2015. Antibody responses by calves after vaccination with commercial and enhanced potency inactivated pneumo-3 vaccines. *Benha Veterinary Medical Journal* 28 (1), pp. 247-254.
9. El-Bagoury, G.F., **El-Nahas, E.M.** and El-Habbaa, A.S., 2015. Isolation and molecular characterization of IBDV from Qualubya governorate, Egypt, 2015. *Benha Veterinary Medical Journal* 28 (2), 283-294.
10. El-Bagoury, G.F., Sharawi, S.S., **El-Nahas, E.M.**, Darwish, D.M. and Saad, M.A., 2015. Evaluation of cross-protection between FMD serotypes O and A local Egyptian isolate with vaccinal strains in the local commercial and imported vaccines by challenge test. *Benha Veterinary Medical Journal* 28 (1), 241-246.



11. El-Bagoury, G.F., **El-Nahas, E.M.**, Hussein, A.M. and Mohamed, A.M., 2015. Assessment of two stabilizers used for lyophilized live attenuated peste des petits ruminants (ppr) vaccine. Benha Veterinary Medical Journal 29 (1), 183-188
12. El-Bagoury, G.F., El-Moaty, D.A.A., El-Zeedy, S.A., **El-Nahas, E.M.** and Youssif, A.A. 2014. Molecular identification of RHDV Egyptian strains based on the highly variable region of vp60 gene. Benha Veterinary Medical Journal 26 (2), pp. 84-100.
13. El-Bagoury, G.F., **El-Nahas, E.M.**, and El-Habbaa, A.S. 2014. Serological and molecular identification of bovine ephemeral fever virus isolates from cattle and buffaloes in Qaluobia province, Egypt 2014. Egyptian Journal of virology 11(1), pp.176-182.
14. El-Bagoury, G.F., **El-Nahas, E.M.**, El-Deen, S.S.S. and Salem, S.A., 2014. Detection and genotyping of bovine viral diarrhea virus in cattle sera. Benha Veterinary Medical Journal 27 (2), 348-353.
15. El-Bagoury, G.F., **El-Nahas, E.M.**, El-Deen, S.S.S. and Salem, S.A., 2014. Frequency of rotavirus detection by a sandwich ELISA in feces of diarrheic bovine calves from Qalubia province, Egypt. Benha Veterinary Medical Journal 27 (2), 341-347
16. Elbarbary, H.A., **El-Nahas, E.M.** and Effat, L.E.K.A. Anti-rotaviral activity of whey proteins derived from milk of different animal species. International Journal of Advances Research, 2(4), pp.214-221
17. El-Bagoury, G.F., **El-Nahas, E.M.**, Haassan, K.Z. and Youssef, M.M. 2013. Comparative evaluation of prepared inactivated Rift valley fever virus vaccine with different adjuvants. Benha Veterinary Medical Journal, 25(1), pp.106-114.
18. El-Bagoury, G.F., **El-Nahas, E.M.**, Eiaka, A.M. and Khodeir, M.H. 2013. Propagation of chicken anemia virus in different cell cultures. Benha Veterinary Medical Journal, 24(2), pp.96-101.
19. Abdel-Hady, M.K.; **El-Nahas, E.M.**; Ibrahim, S.M.; Seham A.S. El-Zeedy. 2012. Inhibitory effect of Cefotaxime on bovine rotavirus. Egyptian Journal of virology 9(1), pp.347-358.
20. El-Bagoury, G.F., **El-Nahas, E.M.**, Khadr, K.A. and Ali., N.M., 2012. Isolation and genotyping of bovine viral diarrhea virus field isolates from infected cattle in kaluobia during 2011. Benha Veterinary Medical Journal, 23(I), pp.6-10.
21. El-Bagoury, G.F., **El-Nahas, E.M.**, Abd-Elfadiel, M.R. and Ghaley., H.M., 2012. Evaluation of maternal antibody in calves borne from cow dam vaccinated with inactivated pnumo-5 vaccine. Benha Veterinary Medical Journal, 23(2), pp.9-15.
22. **El-Nahas, E.M.** Experimental Infection of Sheep with Strains of Rift Valley Fever Virus. Kafrelsheikh Veterinary Medical Journal, 2011, 9 (2): 195-207.



23. **El-Nahas, E.M.** and Mostafa, S.A. Molecular and Histopathological Detection of Rabbit Hemorrhagic Disease virus in Young Rabbits. *Kafrelsheikh Veterinary Medical Journal*, 2011, 9 (2): 179-193.
24. **El-Nahas, E.M.**; El-Habbaa, A.S. ; El-bagoury, G.F. and Mervat E.I. Radwan.: Isolation and Identification of Lumpy Skin Disease Virus from Naturally Infected Buffaloes at Kaluobia, Egypt. *Global Veterinaria*, 2011, 7 (3): 234-237.
25. El-Bagoury, G.F.; El-Sayed, W. M.; **El-Nahas, E.M.**; El-Habbaa, A.S. and Azab, A.H. Sequence Analysis of VP1 Gene Foot-and-Mouth Disease Virus Serotype A and O Isolates from Different Governorates in Egypt. **4th Sci.Conf., Benha Univ., 25-27 May 2011, 122-128.**
26. El-Bagoury, G.F.; El-Sayed, W. M.; El-Habbaa, A.S.; **El-Nahas, E.M.** and Azab, A.H. Investigation of Foot and Mouth Disease Virus at Different Governorates in Egypt. **4th Sci.Conf., Benha Univ., 25-27 May 2011,**
27. El-Bagoury, G.F.; **El-Nahas, E.M.**; Suzan. S. Mohammed and Salem, S.A. H. Seroprevalance and Serotype Detection of Foot and Mouth Disease Virus in Sera and Field Samples of Cattle and Buffalo at Mounofya Governorate. **Benha Veterinary Medical Journal, 2010, 21 (1): 132-142.**
28. El-Bagoury, G.F.; **El-Nahas, E.M.**; Abd El-Moneam, M. M. and Abo El-Kheir M.A. Comparative Evaluation of Prepared Inactivated Avian Influenza Virus (H5N2) Vaccines with Different Adjuvants. **Benha Veterinary Medical Journal, 2010, 21 (1): 81-93.**
29. Sharawi, S.S.A., **El-Nahas, E.M.**, and El-Habbaa, A.S. Electron, Immuno Electron Microscopy and RT-PCR Detection, and Pathotyping of Avian Paramyxovirus Type 1 (Newcastle Disease Virus) in Pigeons. **Assiut Vet. Med. J. 2010, 56(127):256-270.**
30. Abd El-Rahim, I.H.A; Sharawi, S.S.A; Barakat, M.R. and **El-Nahas, E.M.** An outbreak of peste des petits ruminants in migratory flocks of sheep and goats in Egypt in 2006. **Rev. Sci. tech. Off. int. Epiz. 2010, 29 (3), 655-662.**
31. El-Bagoury, G.F.; **El-Nahas, E.M.**; Fawzy G. H. and Gamil M.A.: Evaluation of the humeral immune response in calves vaccinated with inactivated bivalent FMD Vaccines adjuvanted with montanide ISA50 or aluminium hydroxide gel. **Benha Veterinary Medical Journal, 2009, 20 (2): 120-130.**
32. El-Bagoury, G.F.; **El-Nahas, E.M.**; El-Habbaa, A.S.; and Abdel-Nour E.T. Isolation and molecular Characterization of Lumpy Skin Disease Virus from Kalubia Governorate. **Benha Veterinary Medical Journal, 2009, 20 (2): 109-119.**
33. El-Bagoury, G.F.; Doaa, I. Amer.; **El-Nahas, E.M.** and El-Kholy, A.A. Locally Prepared Live and Inactivated Bovine Herpes Virus 1 gE-Negative Vaccines Induce Immune Response in Calves and Allow Serological Differentiation. **Benha Veterinary Medical Journal, 2009, 20 (2): 79-88.**
34. **El-Nahas, E.M.** Preparation and evaluation of inactivated Newcastle disease virus vaccine with different adjuvants. **Ph.D Thesis, 2007.**
35. **El-Nahas, E.M.** Optimization of cell culture conditions to propagate rabbit haemorrhagic disease virus. **Master Thesis, 2002.**





### **SCIENTIFIC MEETINGS AND CONFERENCES:**

1. The 6<sup>th</sup> international conference of virology, November, 29<sup>th</sup> - December 2<sup>nd</sup> , 2016, Hurghada, Egypt.
2. The 5<sup>th</sup> international conference, Faculty of Veterinary Medicine (Moshtohor), Benha University, 2015, Benha, Egypt.
3. The 5<sup>th</sup> international conference of virology, December 9- 12, 2014, Hurghada, Egypt.
4. The 18<sup>th</sup> scientific conference of Egyptian veterinary medical society for pathology and clinical pathology, 2013, Cairo, Egypt.
5. The annual conference of virology department, March 5- 6, 2012, Cairo, Egypt.
6. The 4<sup>th</sup> scientific conference, Faculty of Veterinary Medicine (Moshtohor), Benha University , May 25- 27, 2011, Benha, Egypt.
7. The 3<sup>rd</sup> scientific conference, Faculty of Veterinary Medicine (Moshtohor), Benha University , Jan 29- Feb 1, 2009, Benha-Ras Sedr, Egypt
8. The 2<sup>nd</sup> conference of virology, April 5- 6, 2008, Cairo, Egypt

### **ACADEMIC COURSES**

#### **MASTER COURSES**

##### **Institute:**

Moshtohor Faculty of Veterinary Medicine, Benha University,  
13736 Moshtohor, Toukh, Qalioubeya, Egypt.

##### **Courses:**

<b>NAME</b>	<b>GRADE</b>
• Virology	Excellent
• pathology	Very good
• histology	Excellent
• poultry diseases	Very good
• Biostatistics	Very good

#### **Ph.D. COURSES**

##### **Institute:**

Moshtohor Faculty of Veterinary Medicine, Benha University,  
13736 Moshtohor, Toukh, Qalioubeya, Egypt.

##### **Courses:**

<b>NAME</b>	<b>GRADE</b>
• Special virology	Excellent
• Viral disease of poultry	Excellent
• Poultry diseases	Excellent

### **SCIENTIFIC WORKSHOP PROFESSIONAL MEETINGS :**

- Diagnosis of diseases by real time PCR, Faculty of Veterinary Medicine (Moshtohor), Benha University , Nov., 18<sup>th</sup> , 2007, Benha, Egypt.
- The scientific symposium "rift valley fever virus", Faculty of Veterinary Medicine (Moshtohor), Benha University , 1<sup>st</sup> Jan. , 2008, Benha, Egypt.



- The scientific symposium "epidemiology of foot and mouth disease virus", Faculty of Veterinary Medicine (Moshtohor), Benha University, 14<sup>th</sup> March. , 2012, Benha, Egypt.
- The scientific symposium "pig influenza virus", Benha University, 12<sup>th</sup> May. , 2009, Benha, Egypt.
- The training workshop "Application of ELISA technique in detection of viruses" Benha University at 1/1/2014.
- The training workshop "Molecular approach in viral diagnosis" Benha University at 11/3/2015
- The work shop " emergence viral diseases and vaccine technology " organized by middle eastern regional radioisotope centre for the arab countries in 28/8/2016
- A delegent in the workshop entitled Controlling viral infections to improve food security and the nutrition of Egypt's poorest communities( organized by the Faculty of Veterinary Medicine of Cairo University, Egypt, and the School of Veterinary Medicine of the University of Surrey, UK in 21/11/2016

#### **RESEARCH SKILLS:**

- Virological techniques, culturing, and characterization of viruses.
- DNA extraction, purification, and characterization techniques
- Molecular biology techniques such as PCR, and DNA sequencing and analyzing
- Cell culturing and related skills
- Virus pathogenicity: in-vitro and in vivo analysis
- Vaccine production, improvement and evaluation
- Measurement of humoral immune response
- Measurement of cellular immune response
- Lab animals handling and animal experimental design
- Histopathology, and immunoassaying,
- Serological assays such as ELISA, virus neutralization, agglutination, fluorescent techniques, and AGPT
- Some computer applications like word, power point, excel, etc.
- Statistical analysis: ANOVA, T test, Chi square, Regression, Correlation, and Fisher exact test

#### **PROJECTS :**

- A member in the project (development of Qaluobia countries, improvement production and productive capability of farm animals) funded by Bank misr December 2012 till November 2013.
- A technical member in student project (simulation of standard student able to diagnose poultry disease (broiler farms)).

#### **Gene bank accession numbers :**

- BVDV (KC680821)
- IBV (KM065535).
- RHDV (KF646793)
- RCoV(KX806586, KX806585, KX806584 KX806589, KX806588, KX806587)
- EHV-2 (KY407569, KY407573, KY407572, KY407571, KY407570)

#### **LANGUAGE PROFICIENCY :**

- Arabic: Mother tongue
- English: Good; TOEFL scored 547 (old scoring system), dated 2005.
- French: Fair





## **NON-SCIENTIFIC TRAINING PROGRAMS**

**i. Exams and students evaluation systems**

**Time:** From: 10-3-2008 to 12-3-2008

**Institute:** Benha University, Benha City, Qalioubeya, Egypt.

**ii. Communication skills in different teaching approach**

**Time:** From: 1-11-2011 to 3-11-2011

**Institute:** Benha University, Benha City, Qalioubeya, Egypt.

**iii. Using technology in classrooms**

**Time:** From: 15-3-2008 to 21-3-2008

**Institute:** Benha University, Benha City, Qalioubeya, Egypt.

**iv. Web publishing using front page**

**Time:** From: 18-3-2008 to 24-3-2008

**Institute:** Benha University, Benha City, Qalioubeya, Egypt.

**v. Power point presentation**

**Time:** From: 3-6-2012 to 6-6-2012

**Institute:** Benha University, Benha City, Qalioubeya, Egypt.

**vi. Quality of institutional universities**

**Time:** From: 29/1/2017 to 31/1/2017

**Institute:** Benha University, Benha City, Qalioubeya, Egypt

**vii. Time and meeting management**

**Time:** From: 7/2/2107 to 9/2/2017

**Institute:** Benha University, Benha City, Qalioubeya, Egypt

**viii. Application for budget research project**

**Time:** From: 7/2/2017 to 9/2/2017

**Institute:** Benha University, Benha City, Qalioubeya, Egypt

