

Amal Sayed Mohamed Sayed

Zoonoses Department. Faculty of Veterinary Medicine,

Assiut University, Assiut 71526, Egypt.

Fax:088/2366503

amalsayed73@yahoo.com

https://scholar.google.com/eg/citations?hl=en&user=FgF-PSkAAAAJ&view_op=list_works&sortby=pubdate

Current Position: Head of Zoonoses Department, Faculty. of Vet. Medicine.

Assiut Univ, Egypt.

Nationality: Egyptian

Date & place of birth: 16-8-1969 Assiut, Egypt.

Gender: Female

Research interests:

Monitoring and surveillance of zoonotic diseases in animals and man. Studying the role of food of animal origin as a major source of transmitting zoonotic diseases to man.

Languages:

Fluent in English

Japanese: fair

Academic Record:

- 1- Professor of Zoonoses (2011) at Dept. of Animal Hygiene and Zoonoses Assiut Univ.
- 2- Assistant Professor of Zoonoses (2006) at Dept. of Animal Hygiene and Zoonoses Assiut Univ.
- 3- Lecturer of Zoonoses (2001) at Dept. of Animal Hygiene and Zoonoses Assiut Univ.
- 4- Ph.D candidate (1998- 1999) as a part of Channel system Scholarship in Dept. of Vet.Public Health Rakuno-Gakuen Univ. Hokkaido Japan.
- 5- Assistant lecturer of Zoonoses (1996-1998) at Dept. of Animal Hygiene and Zoonoses. Assiut Univ.
- 6- Demonstrator (1993-1996) at Dept. of Animal Hygiene and Zoonoses Assiut Univ.

Academic Qualifications:

Ph.D.Thesis. Animal Hygiene Dept. Assiut Univ. 12- 2000

Thesis title: Epidemiological studies on some rickettsioses in man and dogs in Upper Egypt.

The thesis was carried out to investigate Q fever, boutonneuse fever and murine typhus in the collected samples of dogs and humans. Blood samples from dogs and humans were collected at different areas in Upper Egypt while the laboratory investigation was carried out at Dept. of Vet. Public Health Rakuno-Gakuen Univ. Hokkaido, Japan. An indirect immunofluorescence assay was carried out to investigate antibodies of the studied rickettsial diseases. Moreover monitoring of genomic DNA of the studied rickettsial diseases in both dogs and human samples using polymerase chain reaction (PCR).

1-BVSc, Assiut Univ. May 1992 Vet. medicine General grade Very good with the whoner Dean.

2-Post graduate courses for Ph.D. for one academic year 1996-1997

<u>Course</u>	<u>Grade</u>
- Zoonoses	Excellent
- Role of arthropods and rodents in transmission of zoonotic diseases.	Excellent
- Prevention of zoonotic diseases.	Excellent

❖ **Post Graduate Studies:**

2-**M.V.Sc.(Zoonoses):** Animal Hygiene Dept. Assiut Univ. 30-6-1996

Thesis title: Dermatophytosis in man and animals.

The thesis was designed to highlight the role of apparently healthy and infected domestic and pet animals in transmitting dermatophytes to man in Upper Egypt.

3- Postgraduate courses for M.V.Sc. for one academic year 1993-1994.

<u>Course</u>	<u>Grade</u>
- Zoonoses	Excellent
- Epidemiology	Excellent
- Zoonoses Control	Very good
- Animal Hygiene	Very good
- Biostatistics	Very good

Academic activities:

• **Supervision of Scientific thesis:**

- 1- Brucellosis in some farm animals in New Valley Governorate.
- 2-Epidemiological studies on trichinosis and taeniasis in Upper Egypt.
- 3- Prevalence of *L. monocytogenes* in poultry, fish and their products and public health hazard on women.
- 4- Epidemiological study on Parrot fever in birds and man in Sohag Governorate.
- 5- *E.coli* O157: H7 as an emerging zoonotic food-borne disease.
- 6-Epidemiological study on salmonellosis in cattle, buffaloes and man in Assiut Governorate.
- 7-Occurrence of *Helicobacter pylori* in cattle, buffaloes and patients with gastritis.
- 8- Epidemiological study on *Bartonella henselae* in pet cats and humans in Assiut city.
- 9- Epidemiological study on some *Hymenolepis* species in rodents and children in Assiut Governorate.
- 10- Epidemiological Study on Dengue Fever in Camels and Humans in Upper Egypt”
- 11- Epidemiological Study on Middle East Respiratory Syndrome Disease in Camels and Humans in Upper Egypt”

Teaching activities:

1- Undergraduate courses:

- Zoonoses courses for the 5th grade students in the Faculty of Vet. Medicine at Assiut University and South Valley University.
- Occupational zoonotic disease.

2- Postgraduate courses:

- Prevention and control of zoonoses.
- Zoonotic diseases transmitted from meat and meat products.
- Zoonotic diseases transmitted from milk and milk products
- Zoonotic diseases transmitted from Pet animals.
- Epidemiology of Zoonotic diseases.

Experiences:

Zoonoses

Animal Hygiene

Lab Experiences:

- Isolation and Identification of pathogenic microorganisms.
- Indirect immunofluorescence assay.
- Enzyme-linked immunosorbent assay.
- Precipitation agglutination test.
- Plasmid profile.
- Polymerase chain reaction.
- Sequencing and phylogenetic analysis.

Communication and interpersonal skills:

Excellent communication skills with undergraduate students, postgraduate students, researchers, colleagues, and the public.

Scholarships:

- Postdoctoral scholarship at Osaka Univ. Japan, (September 2019- November 2019).
- Postdoctoral scholarship at Yamaguchi Univ. Japan, (April 2009- April 2010) funded by Islamic Development Bank.
- Ph.D candidate (1998- 1999) as a part of the Channel system
Scholarship in Dept.of Vet.Public Health Rakuno-Gakuen Univ.
Hokkaido, Japan.

Affiliations & Membership:

Member of Egyptian Society of Vet. Medicine History.

Member of the Egyptian Society of Zoonoses.

Member of Egyptian Society of Cattle Disease.

Community service:

- Participation in the implementation of the activities of the student project: Development of community awareness in the field of Animal production and maintaining the health of Animals and humans From April to December 2014.

A health awareness program was prepared with the teamwork of zoonoses to hold seminars and lectures to increase the awareness of the public and special provisions on zoonotic diseases and how to prevent and control them.

-Increase the awareness of housewives about the danger of zoonotic diseases that may be transmitted through food and how to control them. (Managed through social societies in different provinces in Upper Egypt).

Professional activities:

Evaluation and judgment of scientific promotion files for associate professors and professors of Zoonoses.

Technical reviews:

Articles published in

-Assiut Veterinary Medical Journal.

-Tropical biomedicine

Thesis discussed and judged:

- M.V.Sc. Thesis title: Avian influenza as an emerging zoonoses Presented by: Mona M.M.Ahmed 2015.
- PhD. Thesis title: Targeting intercellular *Listeria* as one of the zoonotic pathogens with anti-sense therapeutics. Presented by: Moustafa Abushaba 2015.
- PhD. Thesis title: Epidemiological studies on fascioliasis in Assiut and New Valley Governorates. Presented by: Basem Refat 2014.
- PhD. Thesis title: Campylobacteriosis among school children as one of zoonotic foodborne diseases. Presented by: Asmaa Gaber 2013.

Scientific Conferences:

The 10th International Conference for development and the environment in the Arab World. March 2018 Assiut Univ. Assiut, Egypt.

* The 8th International Conference for Development and Environment in the Arab world March 22-24. 2016

* The 23rd Annual Conference of Faculty of Medicine 30 Nov.-2 Dec. 2014. Assiut Univ. Assiut, Egypt.

* Xx International Congress in Mediterranean Federation of Health and Production of Ruminants. 19-22 Feb. (2013)

* The 4th Scientific Congress of Egyptian Society of Animal Management 25-28 Oct. 2010 Cairo Univ. Cairo, Egypt.

* The 2nd Young Scientist Seminar 10-11 October 2009 (In the Asian core program (2008-2012) Yamaguchi, Japan.

* The 13th Scientific Congress of Faculty of Vet. Medicine 23-25 Nov. 2008. Assiut Univ. Assiut , Egypt.

* The 9th Scientific Congress of Egyptian Society for Cattle Diseases 2-4 Dec. 2007 Assiut Univ. Assiut, Egypt.

* The 3rd International Conference for development and the environment in the Arab World. 21-23 March 2006 Assiut Univ. Assiut, Egypt.

* The 4th Scientific Conference Faculty of Vet. medicine Beni- Suef Univ. 24-27 Sept. 2005 Beni –Suef , Egypt.

* The 12th Scientific Congress of Faculty of Medicine 7-10 March 2005. Assiut Univ. Assiut, Egypt.

* The 11th Scientific Congress of Faculty of Vet. Medicine 1-7 Dec. 2004. Assiut Univ. Assiut , Egypt.

* The 2nd International Conference for development and the environment in the Arab World. 23-25 March 2004 Assiut Univ. Assiut, Egypt.

* The 1st Scientific Conference of the Veterinary Research Division 15-17 Feb. 2004. National Research Center. Egypt.

* The 2nd International Congress of Food Hygiene and Human Health 21-23 Oct. 2003 Assiut Univ. Assiut, Egypt.

* The 10th Scientific Congress of Faculty of Vet. Medicine 17- 19 Dec. 2002. Assiut Univ. Assiut, Egypt.

- * The International Conference for development and the environment in the Arab World. 26-28 March 2002 Assiut Univ. Assiut, Egypt.
- * The International Congress of Food Hygiene and Human Health Feb.2002 Assiut Univ. Assiut, Egypt.
- * The 6th Scientific Congress of Egyptian Society for Cattle Diseases 4-6 Nov. 2001 Assiut Univ. Assiut, Egypt.
- * The first Congress of Food Hygiene and Human Health 6-8 Feb. 2001 Assiut Univ. Assiut, Egypt.
- * The 9th Scientific Congress of Faculty of Vet. Medicine 2000. Assiut Univ. Assiut, Egypt.
- * -The 5th Scientific Congress of Egyptian Society for Cattle Diseases Dec. 1999 Assiut Univ. Assiut, Egypt.
- * The 7th Scientific Congress of Faculty of Vet. Medicine Nov. 1996. Assiut Univ. Assiut, Egypt.
- * The 3rd Scientific Congress of Egyptian Society for Cattle Diseases 3-5 Dec.1995 Assiut Univ. Assiut, Egypt.
- * The 6th Scientific Congress of Faculty of Vet. Medicine 20-22 Nov.1994. Assiut Univ. Assiut, Egypt.

Presentations:

- A study on *H.pylori* and *H. heilmannii* in milk , soft cheese and health hazard on children in Assiut, Upper Egypt. Presented at The 2nd Young Scientist Seminar 10-11 October 2009 Yamaguchi, Japan
- Prevalence of some zoonotic enteropathogenic bacteria in ice cream. Scientific paper presented at The 2nd International Congress of Food Hygiene and Human Health Assiut Univ. Assiut Egypt.21-23 October 2003, Assiut. Egypt.
- The existence of *Salmonella* species and *Esherichia coli* O157 in broiler carcasses at local poultry slaughter shops in Assiut Province. Scientific paper presented at The 10th Scientific Congress Fac. Vet. Med. Assiut Univ. 17-19 Dec 2002.
- Danger of zoonoses and control measures. Lecture to the public (community service)
- Consumer protection from zoonotic diseases transmitted through poultry and poultry products. Lecture to public (community service).
- Avian flu
- Toxoplasmosis and abortion in women.
- FMD in animals and man.

Training courses:

- Management of Research projects September 2022, Assiut University.
- Publishing and Grant writing April 2013.Assiut University.
- Biodiversity of genera and species of fungi that deteriorate food materials with special attention to toxigenic and human, animal, and plant pathogenic species (7-11 March 2009). Assiut Mycological center.
- Some application of Bioinformatics in Molecular Biology (12-2-2008) Molecular biology Research Unit of Assiut Univ. Assiut Egypt.
- Strategic planning 27-29 2008. (Faculty and leadership development project.) Assiut University
- Teaching to large groups and microteaching 7-9 July 2007. (Faculty and leadership development project.) Assiut University
- Teaching evaluation 12-14 May 2007. (Faculty and leadership development project.) Assiut University
- Economics and funding of scientific research. 3-5 March 2007. (Faculty and leadership development project.) Assiut University

- Preparing to write scientific articles and international publications.24-26 2007. (Faculty and leadership development project.) Assiut University
- Course design 17-19 2007. (Faculty and leadership development project.) Assiut University
- How to write a project proposal 27-29 October 2007. (Faculty and leadership development project.) Assiut University.
- ICT training courses. Dec 2006 Assiut University
- Teaching with Technology. (Faculty and leadership development project.) Assiut University.18-21 December 2005 (Faculty and leadership development project.) Assiut University
- New trends in teaching. (Faculty and leadership development project.) Assiut University.8-11 October 2005 (Faculty and leadership development project.) Assiut University.
- Decision-making and problem-solving. (Faculty and leadership development project.) Assiut University. 30 May to 2 June 2005.
- Managerial skills. 2-5 April 2005 (Faculty and leadership development project.) Assiut University.
- Communication skills. (Faculty and leadership development project.) Assiut University. 19-21 February 2005. (Faculty and leadership development project.) Assiut University.
- Time and stress management. (Faculty and leadership development project.) Assiut University.
- Training course and workshop on cell culture techniques and their application in Molecular biology 15-17 March 2004. Molecular Biology Research Unit of Assiut Univ. Assiut Egypt.

Prize awarded:

- 1- Assiut University prize awarded in Veterinary and agriculture science (2012).
- 2- Best scientific paper awarded in Zoonoses presented by Faculty of Vet. Medicine, Assiut University (2006).
- 3- Best scientific paper awarded in Zoonoses in tropical regions presented by Association of Arab Universities (2004).

List of Publications:

-Ehab Kotb Elmahallawy, Fatma Abo Zakaib Ali, Enrique Raya-Álvarez, Alaa Fehaid, Khaled A. Abd El-Razik, Hassan Ali Mohamed El Fadaly, Manal F. El-Khadragy, **Amal S. M. Sayed**, Ashraf H. Soror, Alaa S. Alhegaili, Amira A. Saleh, Abdulsalam A. M. Alkhalidi, Abd El-Nasser A. Madboli, Ahmad Agil, Ashraf Mohamed Barakat. (2024):Ameliorative effects of propolis and wheat germ oil on acute toxoplasmosis in experimentally infected mice are associated with reduction in parasite burden and restoration of histopathological changes in the brain, uterus, and kidney Front. Vet. Sci., Vol. 11 - | <https://doi.org/10.3389/fvets.2024.1357947>

- Amal S. M. Sayed, Ahmed I. Ibrahim, Mona M. Sobhy, Ehab Kotb Elmahallawy , Noorah Alsowayeh, Khaloud Mohammed Alarjani, ManalF.El Khadragy and Asmaa Gahlan Youseef (2023): Circulation of thermophilic *Campylobacter* in pigeons, turkeys, and humans at live bird markets in Egypt. *Frontiers in Veterinary Science* 10,1-8

-Amal S. M. Sayed, Reem M. Alsaadawy , Magda M. Ali , Rawhia F. Abd El-Hamid,Roua Sami Baty and Ehab Kotb Elmahallawy (2022): Serological and molecular detection of *Bartonella henselae* in cats and humans from Egypt: current status and zoonotic implications. *Frontiers in Veterinary Science* 9,1-7

- Mostafa Osman Hussen, **Amal S.M. Sayed** and Mostafa F.N. Abushahba ,(2020): Sero epidemiological study on Dengue fever virus in humans and camels at Upper Egypt *Veterinary World*. 13, 2618- 2624.

- **Amal S.M. Sayed**, Safa Abdel Raheem and Mostafa FN. Abushaba (2020): Middle East Respiratory Syndrome Coronavirus circulation in dromedaries and their traders in Upper Egypt.

J Infect Dev Ctries 2020; 14(2):191-198. doi:10.3855/jidc.10862

-Lamiaa M. Ahmed , **Amal S. M. Sayed**, H. A. Abd ElKader, Nagla Hassan Abu Faddan and Amira Adel Taha Al Hosary (2020): Phylogenetic analysis of Salmonella species isolated from cows, buffaloes, and humans based on gyrB gene sequences. Tropical Animal Health and Production
DOI 10.1007/s11250-019-02155-y

-Abdelbaset E. Abdelbaset, Maha I. Hamed, Mostafa F. N. Abushahba, Mohamed S. Rawy, **Amal S. M. Sayed** and Jeffrey J. Adamovicz (2020): Toxoplasma gondii seropositivity and the associated risk factors in sheep and pregnant women in El-Minya Governorate, Egypt. Veterinary World, EISSN: 2231-0916
Available at www.veterinaryworld.org/Vol.13/January-2020/8.pdf 54-60

- Raafat Hassanein; Asmaa, A. Hussein ; **Amal S. M. Sayed**, and Lamiaa, M. Ahmed (2012): *Escherichia coli* O157:H7 as an emergence foodborne zoonotic pathogen. J Egypt. Vet. Med. Assoc. 72,2,269-283.

- **Amal S. M. Sayed**; Asmaa A.A. Hussein; Mohsen, I. Arafa and Basem R.N. Abdo (2011): *Trichinella spiralis* in pigs and man in Upper Egypt.

Indian Vet. J., 88(6):74-75. ISSN: 0019-64799

- Asmaa A.A. Hussein; Essam –Eldin Othman, R.; **Amal, S.M. Sayed**; Raafat A. Hassanein and Mostafa F. Abushahba (2011): Occurrence of *Listeria monocytogenes* in poultry, fish & their products as well as its public health hazard on women. XVth ISAH Congress, July, 3-7, Vienna-Austria: 987-992. ISBN: 978-80-263-0009-0

- Ahmad, R. Ahmad; Hanaa, A. Mohammad; Nagla, M. Abdel-Hafez; Galia, Z, A, Wean ; **Amal S. M. Sayed** and Aljasseem, N.S. (2011): Enteropathogenic infections in hospitalized young children with acute diarrhea. Alexandria Journal of Pediatrics 25(2):69-75.

-Raafat Hassanein; **Amal Sayed**, Kamal Zahran, Michael Agban, Nafesa Abdel Aziz and Entisar Youness (2010): Pattern of toxoplasmosis among pregnant women with congenitally malformed fetuses. J. Egypt. Soc. Gynaecol. Obstet. 36: 539-543,

-**Amal S. M. Sayed**, Asmaa, A. Hussein, Mona, A. Hassan, Salwa Seif El Din, E. Ahmed MM, Hanan, A. Noaman (2010): A study on *H. pylori* and *H. heilmannii* in milk, soft cheese and the health hazard on children in Assiut Governorate Assiut Vet. Med. Journal Vol.56. No.126, 14-26.

- **Amal S. M. Sayed**, Asmaa, A. Hussein (2010): Surveillance of methicillin resistant *Staphylococcus aureus* (MRSA) in raw milk and milk handlers with *nuc* gene sequencing of the isolated strain Assiut Vet. Med. Journal Vol.56 No.127, 1-12

- Hiroto Kato, Abraham G. Cáceres, Tatsuyuki Mimori, Yuka Ishimaru, **Amal S. M. Sayed**, Megumi Fujita, Hiroyuki Iwata, Hiroshi Uezato, Lenin N. Velez, Eduardo A. L. Gomez, and Yoshihisa Hashiguchi (2010):

-Use of FTA cards for direct Sampling of patients' lesions in the ecological Study of cutaneous leishmaniasis Journal Of Clinical Microbiology, Vol.48 No. 10, 3661-3651.

-**Amal S. M. Sayed**, Abdel Moez, A. Ismail and Ebtsam M. Omran (2010):
Epidemiological study on brucellosis in animals and man in New Valley Governorate. Assiut Vet. Med. Journal Vol.56. No.126, 1-13

-Basem, R. N. Abdo, **Amal S.M. Sayed**, Asmaa A.A. Hussein, Mohsen, I. Arafa (2010): Occurrence of *Taenia solium* and Cysticercosis in Man in Egypt. Veterinary World 3(2):57-60

-Basem, R. N. Abdo, **Amal S.M. Sayed**, Asmaa A.A. Hussein, Mohsen, I. Arafa (2009): Occurrence of Cysticercosis in cattle and buffaloes and *Taenia saginata* in man in Assiut Governance of Egypt.

Veterinary World 2(5):173-176

- **Amal S. M. Sayed**; Mohamed W. Abd Al Azeem; Hanan, A. Noaman and Mona A. Hasssan (2007): Seroepidemiological study on *Helicobacter pylori* infection in children and adults in Assiut Governorate, Upper Egypt. JASMR 2(2):129-133

- **Amal S.M. Sayed** (2006): Epidemiological study on Yersiniosis in pediatric acute diarrhea. Assiut Vet. Med. Journal Vol.52. No.111, 251-261
- **Amal S.M Sayed** and Howayda, I. Hassan (2005): Impact of infection by some bacterial zoonotic pathogens on appendix in man. Assiut Vet. Med. Journal Vol.51. No.106, 224-239.
- Asmaa, A.A. Hussein; **Amal S.M. Sayed** and Mohamed A. El Feki (2005): Seroepidemiological study on human brucellosis in Assiut Governorate. Egyptian Journal of Immunology Vol.12 (1)49-56
- Nagla, M. Abdel Hafez.; Tarek, H., El –Metwally and **Amal, S.M. Sayed** (2005): A study on haemolytic uraemic syndrome among hospitalized children with Shiga toxin-producing *E.coli* O157:H7 infection. Alexandria Journal of Pediatrics. Vol.19 (1) 57-70
- **Amal, S.M. Sayed** and Nagla M. Abdel Hafez (2005): A study of enterohaemorrhagic *E.coli* O157:H7 associated with diarrhea and hemolytic uremic syndrome in children. Assiut Vet. Med. Journal Vol.51. No.105, 1-15.
- **Amal, S. M. Sayed** and Amal A. Mohamed (2004): Surveillance of enteropathogenic *Campylobacter* in raw poultry meat and some poultry products in Assiut City. Assiut Vet. Med. Journal Vol.50. No.102, 80-94.
- Enas El-Prince and **Amal S. M. Sayed** (2004): A survey on the presence of *listeria* species in raw milk, ice cream and human stools with characterization of some isolates by SDS-PAGE. Assiut Vet. Med. Journal Vol.50 No.101, 94-109.
- **Amal S.M. Sayed** and Mohamed Sayed (2003): Prevalence of some zoonotic enteropathogenic bacteria in ice cream. The 2nd International Congress of Food Hygiene and Human Health Assiut Univ. Assiut Egypt.21-23 October 2003, Assiut, Egypt pp160-165.
- **Amal S. M. Sayed** and Asmaa A. A. Hussein (2003): Occurrence of *E.coli* O157:H7 in apparently healthy dairy cattle and retail milk. Assiut Vet. Med. Journal Vol.49. No.97, 211-221.
- Asmaa, A. A. Hussein; **Amal, S. M. Sayed** ; R . S. Ibrahim (2002): The existence of *Salmonella* species and *Esherichia coli* 0157 in broiler carcasses at local poultry slaughter shops in Assiut Province. The 10th Scientific Congress Fac. Vet. Med. Assiut Univ. 17-19 Dec. 2002 pp.165-178.
- **Amal, S. M. Sayed**; Asmaa, A. A. Hussein; A. A. Ismail; S. E. M. Nasr; M. Yasukazu; H. Ueno and C. Morita (2002): Prevalence of *Coxiella burnetii* infection among dogs and Humans in Upper Egypt. Assiut Vet. Med. Journal Vol.47. No.93, 205-216.
- Enas El-Prince and **Amal, S. M. Sayed** (2002): Prevalence of *Yersinia enterocolitica* in milk of some lactating animals and typing of the obtained isolates by plasmid profile. Assiut Vet. Med. Journal Vol.46. No.92, 54-71.

Books:

Avian Flu and Human (Scientific and Future Vision) published in 2008 (Arabic edition).