

# CURRICULUM VITAE

## Essam M Abdelfattah DVM, MS, Ph.D.

Assistant Professor of Animal, Poultry Behavior and Management  
Department of Animal Hygiene, Behavior and Management,  
Faculty of Veterinary Medicine, Benha University  
13736 Qalyubia, Egypt

Mailing address: 8 Ahmed Hefny St. EL-Mattar Street, Ambaba,  
Giza, Egypt.

Phone: 00-20-33134671

Mobile: 00-20-1223505479

Email: [essam.abdelfattah@fvtm.bu.edu.eg](mailto:essam.abdelfattah@fvtm.bu.edu.eg)  
[essam\\_meizar2000@yahoo.com](mailto:essam_meizar2000@yahoo.com)

Webpages: [https://www.researchgate.net/profile/Essam\\_Abdelfattah2/?ev=hdr\\_xprf](https://www.researchgate.net/profile/Essam_Abdelfattah2/?ev=hdr_xprf)  
[http://www.linkedin.com/profile/view?id=180659766&trk=hb\\_tab\\_pro\\_top](http://www.linkedin.com/profile/view?id=180659766&trk=hb_tab_pro_top)

### **Education:**

- 2014- Present: PhD degree in Animal, Poultry Behavior and Management ": Benha University, Faculty of Veterinary Medicine, Egypt. PhD thesis titled "Behavior and performance of veal calves in relation to group housing".
- 2005-2008: Master of Veterinary Science Degree in "Animal, Poultry Behavior, Management and Welfare": Benha University, Faculty of Veterinary Medicine, Egypt. Master thesis titled ""Effect of some managerial factors on behavior and performance of quail".
- 1998-2004: Bachelor degree in Veterinary Sciences (DVM): Faculty of Veterinary Medicine, Benha University, Egypt.

### **Work experience:**

- 2014- Present: Assistant professor at Department of Animal Hygiene, Behavior and Management, Faculty of Veterinary Medicine, Benha University, Egypt.
- 2008-2014: Assistant lecturer and research scientist, Faculty of Veterinary Medicine, Benha University, Egypt.
- 2005- 2008: Demonstrator at Department of Animal Hygiene, Behavior and Management, Faculty of Veterinary Medicine, Benha University, Egypt.
- 2003-2012: Half-time work in my private veterinary clinic for diagnosis and treatment of diseases in domestic animals.

### **Research Experience:**

#### **Purdue University**

- 2012-2014: Visiting Scholar in Department of Animal Science, College of Agriculture at Purdue University. PhD project Titled "Safeguarding Welfare of Food Producing Animals"
- Research Management Unit: USDA- Livestock Behavior Research Unit
- Location: West Lafayette, IN, USA.

I was visiting scholar in Department of Animal Science, Faculty of Agriculture, Purdue University, USA completing my PhD studies in USDA-Livestock Behavior Research Unit (LBRU-ARS). West Lafayette IN. Ph D thesis titled "Housing effects on behavior, welfare and health of veal and dairy calves". We focused on:

- 1- Identifying a novel indicator of chronic pain in cattle
- 2- Determining the optimum age for grouping, group size, need for individual partitioning of trough space for group housed veal and dairy calves.
- 3- Using quantitative RT-PCR for determining expression of TAC1, TLR-4, IL-1 $\beta$ , IL1Ra, and TNF- $\alpha$  in blood leukocytes of dairy calves.
- 4- Working on effect of group size on behavior, health, production and welfare of veal calves.
- 5- Working on effect of age of grouping on behavior, health, and immunity of dairy calves.

### **Benha University**

2008-2012: Served as a member in a research project titled "Research and Productive Quail Unit." Our project aimed to increase the production of Japanese quails in Egypt, which started from incubating quail eggs and then rearing of baby hatching chicks till marketing age, which were distributed all over the university and locality. Faculty of Veterinary Medicine, Benha University, Egypt.

2008-2011: Conducted research on behavior and performance of caged rabbits in Rabbit Farm at Animal Production Department, Faculty of Agriculture, Benha University, Egypt.

2005-2008: Master's degree with thesis titled "Effect of some managerial factors on behavior and performance of quail", our objectives were to:

1. Assess the welfare problems of both cage and deep-litter systems of Japanese quail.
2. Evaluate Japanese quail egg quality traits under different housing systems.
3. Measure effects of housing systems on some physiological parameters (cortisol, calcium, and phosphorous) in Japanese quail.

### **Teaching experience**

2005-2014: Teaching of farm animal behavior and management to DVM students (2<sup>nd</sup> year), up to 300 students in the program each year.

## **TEACHING COMMITMENT**

Our goal as a university professor is to educate the students to work effectively as successful graduates in different related sectors, where they are expected to maintain both animal and human health. Of course, we pay great attention to achieve the main aims of our faculty mission that consists of providing excellent education, doing innovative research and offering outreach community services. Therefore, my teaching philosophy is mainly concentrated on two aspects:

### **Firstly, understanding the behavior of farm animals and birds:**

This approach aims at understanding the species specific behavior of animals and poultry as a prerequisite for providing the proper care. Besides, this understanding helps avoid the stresses that could exist in animals' environment.

## **Secondly, providing the proper animal care:**

First of all, we won't be able to provide the proper care without understanding what is going within the animal mind. Therefore, this approach is mainly based on perfect understanding of behavior. The aim of animal care (management) is to achieve peaceful controlling and conducting of animal life especially during the critical periods such as breeding season, parturition, etc. As a matter of fact, avoiding the risk of bad management practices on different farms indicates the existence of successful care that could never be reached without understanding the behavior of animals.

### **Courses:**

The next courses are the teaching subjects for both under and postgraduate students at the Faculty of Veterinary Medicine, Benha University:

#### **I- Practical courses (Animal Husbandry)**

Body points of farm animals and poultry
Approaching, handling and restraint of livestock
Casting of farm animals
Grooming of farm animals
Clipping and clothing of animals
Bedding for different animals
Behavioral disorders of different animals and poultry
Administration of medicine for different animals and poultry
Signs of health for different animals and poultry
Shoeing of horses
Dentition and ageing of different animals
Euthanasia of different animals
Body conformation and its defects
Gags and muzzles

#### **II- Theoretical courses**

Introduction to animal behavior
Inherited behavior patterns
Acquired behavior and types of learning
Behavior and management of horses
Behavior and management of cattle
Behavior and management of sheep and goats
Behavior and management of camels
Behavior and management of buffaloes
Behavior and management of poultry (fowl, ducks, geese, turkey, pigeon, quail)
Behavior and management of cats
Behavior and management of dogs
Behavior and management of laboratory animals (rat, mice, guinea pig, hamster, rabbit)
Introduction to animal welfare

2005-2011: Training DVM students on different methods of handling and restraint of different domestic animals.

2008-2011: Training vets, vet students and animal owners at the Society for the Protection and Welfare of Donkeys & Mules in Egypt (SPWDME).

2013: Volunteer Teaching Assistant for ANSC 40400 - Animal Welfare course with Dr. Judi Stella. Department of Animal Science, Purdue University.

## **Honorary posts and scientific associations**

2003-Present: Secretary of the Society for the Protection and Welfare of Donkeys & Mules in Egypt (SPWDME).

2005-Present: Member of Society for Animal Management and Welfare, Cairo University, Egypt

2008-Present: Member of Egyptian Rabbit Society, Zagazig University, Egypt.

2008-2011: Member of quality assurance program in Faculty of Veterinary Medicine, Benha University, Egypt

2013: Member of American Dairy Science Association (ADSA), USA.

## **Conferences**

**E. M. Abdelfattah**, M. M. Schutz, D. C. Lay Jr., J. N. Marchant-Forde, S. D. Eicher. 2013. Group size alters postures, and maintenance, oral, locomotor and social behaviors of veal calves. J. Anim. Sci. Vol. 91. E-Suppl. 2/J. Dairy Sci. Vol. 96. E-Suppl.1.

**E. M. Abdelfattah**, M. M. Schutz, D. C. Lay Jr., J. N. Marchant-Forde, S. D. Eicher. 2013. Group size of veal calves does not affect production, physiological, or hematological indicators of welfare and has transient effects on health. Anim. Sci. Vol. 91. E-Suppl. 2/J. Dairy Sci. Vol. 96. E-Suppl.1.

**E. M. Abdelfattah**, M. M. Karousa, M. M. Schutz, D. C. Lay Jr., J. N. Marchant-Forde, S. D. Eicher. Acute phase cytokine, substance-P, and TLR4 association with housing stress and health in veal calves. 2013-A-67-CRWAD.

## **Workshops**

01/28/2014- 01/30/2014- Completion of a training course in University Management at Benha University, Egypt

01/28/2014- 01/30/2014- Completion of a training course in University Code of Ethics at Benha University, Egypt

01/19/2014- 01/21/2014- Completion of a training course in Self Evaluation and External Reviewing at Benha University, Egypt

01/19/2014- 01/21/2014- Completion of a training course in Effective Presentation at Benha University, Egypt

2013- The annual Intercollegiate Animal Welfare Judging & Assessment Contest (AWJAC), the Campbell Centre for the Study of Animal Welfare at the University of Guelph.

2013- Purdue Animal Care and Use Committee training

2012- Workshop about Lab work safety, USDA, Behavior Research unit, West Lafayette, IN, USA

2012- Human Care and Use of the Laboratory Rat and Mice

2012- Purdue University Animal Exposure Occupational Health Program

2012- Purdue University Radiation safety training

2009- 3rd. International Scientific Conf., Fac. Vet. Med., Benha Univ. Egypt

2008- Workshop about use of ultrasound for diagnosis of pregnancy in ewes and mares, Faculty of Vet. Med., Benha University

2007- 2nd. International Scientific Conference, Fac. Vet. Med., Benha. Univ. Egypt

2006- Workshops about Effective teaching and Communication with students

2005- Benha University Teacher Preparation Course

## **Published book**

**Essam Abdelfattah**, M. Karousa, G. El-Gendi. 2012. Effect of some managerial factors on behavior and performance of quail: Behavior, Management and Production of Japanese Quail (Coturnix Japonica). Lambert Academic Publishing. ISBN 978-8484-9605-1  
[http://www.amazon.com/Effect-managerial-factors-behavior-performance/dp/3848496054/ref=sr\\_1\\_1?s=books&ie=UTF8&qid=1366504792&sr=1-1](http://www.amazon.com/Effect-managerial-factors-behavior-performance/dp/3848496054/ref=sr_1_1?s=books&ie=UTF8&qid=1366504792&sr=1-1).

## **Publications**

### **Published**

- E. M. Abdelfattah. 2014.** Behavior and performance of veal calves in relation to group housing. PhD thesis. Benha University, Egypt.
- E. M. Abdelfattah**, M. Karousa, E. Mahmoud, S. EL-Laithy, G. El-Gendi. and N . Eissa. 2013. Effect of Cage Floor Type on Behavior and Performance of Growing Rabbits. Journal of Veterinary Advances (3(2):34-42. DOI:10.5455/jva.20130219032609.
- E. M. Abdelfattah**, M. M. Schutz, D. C. Lay Jr., J. N. Marchant-Forde, S. D. Eicher. 2013. Effect of group size on behavior, health, production, and welfare of veal calves. J ANIM SCI jas.2013-6308; published ahead of print August 29, 2013, doi:10.2527/jas.2013-6308

### **Under- review**

**E. M. Abdelfattah**, M. M. Schutz, D. C. Lay Jr., J. N. Marchant-Forde, S. D. Eicher. Acute phase cytokine, substance-P, and TLR4 association with housing stress and health in veal calves. To be submitted to the Journal of Veterinary Immunology and Immunopathology.

### **In-progress**

The age at grouping of dairy calves study to be submitted before this fall.

## **References**

1. Dr. Susan Eicher, Ph.D.  
Livestock Behavior Research Unit, USDA-ARS  
West Lafayette, IN 47907  
Phone: (765) 496-3665  
[Susan.Eicher@ars.usda.gov](mailto:Susan.Eicher@ars.usda.gov)  
Relation: American supervisor on Ph.D. thesis
2. Dr. Donald C. Lay Jr.  
Research Leader  
Livestock Behavior Research Unit  
125 S. Russell Street, Room 216  
Don.Lay@ars.usda.gov  
765-496-7750  
<http://www.ars.usda.gov/mwa/lafayette/lbru>  
Relation: Head of USDA-LBRU

3. Dr. Michael M. Schutz, Ph.D.

Associate Head, Professor of Animal Sciences and  
Indiana State Dairy Extension Specialist

Department of Animal Sciences

Purdue University

125 S. Russell St., #105

West Lafayette, IN 47907-2042

765-494-9478

765-494-9347 fx

[mschutz@purdue.edu](mailto:mschutz@purdue.edu)

Relation: American

supervisor on Ph.D.

thesis

4. Dr. Mohamed Moursy Ramadan Karousa,

Professor of Animal, Poultry, Behavior and Management and Head of Hygiene, Behavior  
and management of Animal and Poultry, Faculty of Veterinary Medicine, Benha University.

Mobile phone: +20 1002893661/ +20 1002893661

Home phone: 0552342793

Email: [m\\_karousa@yahoo.com](mailto:m_karousa@yahoo.com)

Relation: Egyptian supervisor on Ph.D. thesis