

ESSAM M. ABDELFATTAH

BVetMed, MVetMed, PhD

Postdoctoral Scholar in Department of Population Health & Reproduction, School of Veterinary Medicine, University of California Davis, CA

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EDUCATION

PhD	2014	Purdue University, USA and Benha University, Egypt Mutual supervision (Channel PhD program) Animal Behaviour and Welfare <i>Advisors:</i> Susan D. Eicher, Ph.D., and M. M. Karousa, Ph.D. <i>Dissertation title:</i> Behavior and performance of veal calves in relation to group housing
MVetMed	2008	Faculty of Veterinary Medicine, Benha University, Egypt Master of Veterinary Medical Sciences <i>Advisor:</i> Mohamed M. Karousa <i>Thesis title:</i> Effect of some managerial factors on behavior and performance of Japanese quail
BVetMed	2004	Faculty of Veterinary Medicine, Benha University, Egypt Bachelor of Veterinary Medical Sciences Cumulative class rank: 1/250

RESEARCH EXPERIENCE

Postdoctoral Scholar, Department of Population Health & Reproduction (Dairy Epidemiology), School of Veterinary Medicine, University of California Davis, CA

November 2018-present Principal Investigator: Sharif Aly, Ph.D.
Research Focus:

- Antimicrobial drug use and resistance in dairy cattle on California dairies
- Mathematical modelling of antimicrobial resistance in *Escherichia coli* and *Enterococcus spp.* isolated from faeces of adult cows on California dairies
- Control of stable fly (*Stomoxys calcitrans*) in California dairies
- Group housing and welfare of dairy calves

Postdoctoral Scholar, Department of Animal Science, University of California, Davis, CA

Research Focus:

- Examined the suitability of the transect method approach to on-farm welfare assessment of commercial Pekin ducks
- Studied the thermal perches as cooling devices for reducing heat stress in caged laying hens

- Helped in the project that examine the influence of keel bone damage on welfare of laying hens
- Investigated the efficacy of essential oils as an alternative natural tool to control northern fowl mite in laying hens
- Examined influence of genetic selection for feed efficiency on thermoregulatory behaviours of Japanese quail in response to heat stress

Doctoral Dissertation Research

- 2009-2014 Department of Animal Sciences, Purdue University, IN and Department of Animal Hygiene, Behavior and Management, Benha University, Egypt
Dissertation Committee: Susan D. Eicher, Ph.D., Mohamed M. Karousa, Ph.D. and G. M. El Gendi, Ph.D.
Research Focus: Evaluated the effect of group size and age at grouping on behavior, welfare, immunity, and performance of dairy bull calves and veal calves
- 2008-2009 Department of Animal Hygiene, Behavior and Management, Benha University, Egypt.
Advisor: Mohamed M. Karousa, Ph.D.
Research focus: Investigated the effect of cage floor type (wire, plastic, and rubber) on behavior, welfare, and performance of growing rabbits

Master Thesis Research

- 2006-2008 Department of Animal Hygiene, Behavior and Management, Faculty of Veterinary Medicine, Benha University, Egypt
Advisors: M. M. Karousa, Ph.D., G. M. El Gendi, Ph.D.
Research focus: Investigated the effect of housing system (battery Vs. deep litter) on behavior, welfare, and performance of Japanese quail

TEACHING EXPERIENCE

Extensive teaching experience in veterinary colleges and university settings. Provided and instructed various services to the public. Guided and supervised undergraduate research interns and volunteers. Mentored graduate students and visiting scholars.

Lecturer, Faculty of Veterinary Medicine, Benha University, Egypt
 Department of Animal Hygiene, Behavior and Management

January 2014-May 2015

Courses Taught	Animal and Poultry Behavior and Management (Spring 2014, Fall 2015, Spring 2015) Restraint and Handling of Domestic Animals (Spring 2014, Fall 2015, Spring 2015)
Frequency of Meetings	60 minutes, 2 days/week
Enrollment & student Profile	300-350 DVM students; 2 nd year students

Teaching Responsibilities As a lecturer, I gave lectures weekly, held office hours, supervised TA for practical sessions. I helped write, proctor, and grade exams. I managed online content for the courses and responded to student's questions and discussions. Communicated with students and coordinating exam accommodations. Coordinated field trips for students. Created and updated grade sheets for course lecture. Trained teaching assistants. Conducted summer training for 8 weeks for the 3rd year students.

Teaching Assistant, Purdue University, West Lafayette, IN
Fall 2013

Course Taught Animal Welfare (ANSC 40400; F13)

Course Description A multi-disciplinary course that introduces students to the field of animal welfare science and the ethics of animal use. It was upper division course designed for students with junior or senior standing.

Teaching Responsibilities As a TA, I supervised the students during roundtable discussions in lectures, led weekly discussions, and graded lab reports, quizzes and exams.

Assistant Lecturer, Faculty of Veterinary Medicine, Benha University, Egypt
Department of Animal Hygiene, Behavior and Management
Fall 2008- Fall 2012

Course Taught Behavior and Management of Horses
Behavior and Management of Cattle
Behavior and Management of Sheep and Goats
Behavior and Management of Poultry
Behavior and Management of Dogs and Cats

Teaching Responsibilities As a lecturer, I gave lectures weekly, held office hours. Wrote and graded exams.

Demonstrator, Faculty of Veterinary Medicine, Benha University, Egypt
Department of Animal Hygiene, Behavior and Management
Fall 2005- Fall 2008

Course Taught Handling and securing of domestic animals
Identification of farm animals
Administration of medicine to domestic animals
Casting of farm animals
Grooming of domestic animals
Body points of farm animals
Signs of health in domestic animals
Behavioral disorders of domestic animals

Teaching Responsibilities Led and taught labs, Prepared DVM students for clinic work. Coordinated meetings with professors, teaching assistants, exam graders, academic coordinator, and staff. Held office hours. Assisted and supervised students with oral presentations and assignments.

Helped in the organization of field trips to animal farms and private veterinary clinics.

**Volunteer Veterinarian
2006-2011**

The Egyptian Society for the Protection and Welfare of Donkeys & Mules. Giza, Egypt.

Duties

Instructed animal welfare concepts to the government veterinarian, farriers, and animal owners.

Invited Teaching and Talks

Fall 2018

Horse Production (ANS 115)
Ethics of Animal Use (ANS 170)
Avian Development and Genomics (AVS 103)
Department of Animal Science, University of California, Davis

Spring 2018

Animal Welfare (ANS 103)
Equine Nutrition (ANS 126)
Advanced Equine Reproduction (ANS 127)
Department of Animal Science, University of California, Davis

Fall 2016

Animal Welfare (ANS 103). Department of Animal Science, University of California, Davis
Topic of talk: The link between health or disease and animal welfare

Fall 2013

Animal Welfare (ANS 103)
Department of Animal Sciences, Purdue University, West Lafayette IN
Topic of talk: Welfare of veal calves

**Student Mentorship and Supervision
Graduate student training**

2018-2019

Tapakorn Chamchoy, PhD student
Veterinary Medicine Teaching & Research Center
University of California, Davis

2017-2018

Allison Pullin, PhD. Student
Department of Animal Science
University of California Davis

2017-2018

Lindsey Jo Broadus, PhD. Student
Department of Animal Science
University of California Davis

2017-2018

Brittany Wood, M.S. Student
Department of Animal Science
University of California Davis

2015-2017

Sydney Baker, M.S. Student
Department of Animal Science
University of California Davis

Duties

Trained, and guided them during experimental work.
Trained them for laboratory safety. Helped them in
data collection and analysis. Guided them for
professional development.

Undergraduate Student Research Projects

Fall 2018-present

Andrew Summers
Ruby Martinez
Jasmine Martinez
Stephanie Phaucet
Dani Cardenas
Skyler Mahler
College of the sequoias
Project: Association between antimicrobial treatments
at dry-off and antimicrobial resistance in adult cattle
on California dairies

Winter 2018-Summer 2018

Mingyu Zhang
University of California Davis
Project: Influence of environmental changes on
generations of Japanese and California Quail

Spring 2016- Fall 2017

Ashley Birakos
University of California Davis
Project: Influence of environmental changes on
generations of Japanese and California Quail

Spring 2016- present

Zahira Budeguer
University of California Davis
Project: Influence of environmental changes on
generations of Japanese and California Quail

Spring 2016- Fall 2017

Azucena Barrios
University of California Davis
Project: Influence of environmental changes on
generations of Japanese and California Quail

Visiting Graduate Scholar

Fall 2018- Summer 2019

Daniella Califano, Visiting Graduate Scholar,
University of Perugia, Italy.

Luis Fernando Duran, Visiting Graduate Scholar,
Universidad Nacional Autónoma de México,
Mexico.

Aurore Bury, Undergraduate Internship, Ecole Nationale Veterinaire Toulouse, France.

Fall 2016

Julie Fabricius, Visiting Scholar
University of Copenhagen, Denmark
Project: Effect of perching behavior on keel bone damage in laying hen

PROJECTS AND GRANTS

Grants Active

- 2019-present Role: Co-Principal Investigators
Funding Source: Center for food animal health, School of Veterinary Medicine, University of California, Davis
Project Title: Effects of simplified group housing of pre-weaned dairy calves on behavior, performance and health
Amount: \$ 20,000
Status: Pending Review
- 2019-present Role: Co-Principal Investigators
Funding Source: Center for food animal health, School of Veterinary Medicine, University of California, Davis
Project Title: Epidemiology of Campylobacter species and their antimicrobial resistance in adult cows on California dairies
Amount: \$ 24,000
Status: Pending Review
- 2018-present Role: Co-Investigator
Funding Source: California Department of Food and Agriculture
Project Title: Association between antimicrobial treatments at dry-off and antimicrobial resistance in adult cattle on California dairies
Principal Investigator: Sharif Aly
Amount: \$ 299,994
Status: Active
- 2018-present Role: Co-Principal Investigator,
Funding Source: California Department of Food and Agriculture
Project Title: Antimicrobial resistance genotype in adult cattle on California dairies
Principal Investigator: Sharif Aly
Amount: \$299,990
Status: Active
- 2018 Role: Co-investigator
Funding Source: Center for Equine Health (CEH), Veterinary Medicine, University of California, Davis
Project Title: Serum Amyloid A and virus titers in a population of feral donkeys
Funding Period: 1 year
Amount: \$ 30,000
Status: Not funded

- 2018 Role: Co-Investigator
 Funding Source: The International Donkey Industry Fund for Technology
 Innovation of Dong-E E-Jiao Co., Ltd. China
 Project Title: Developing donkey welfare standards for production donkeys
 Funding Period: 1 year
 Amount: \$ 200.000
 Status: withdrew
- 2018 Role: Co-Investigator
 Funding Source: U.S. - EGYPT Science & Technology Joint Fund Program
 Junior Scientist Development Visits
 Project Title: Efficacy of essential oils to control northern fowl mite
 infestations in laying hens-In vivo study
 Funding Period: 9 months
 Amount: \$ 30.000
 Status of application: Not funded
- 2016-2018 Role: Co-investigator
 Funding Source: Maple Leaf Farms Inc., Milford, IN
 Project Title: Pekin Duck Welfare Assessment Protocols
 Funding Period: 1 month
 Amount: \$ 2000
 Status: Completed
- 2012- 2014 Role: Principle Investigator
 Funding Source: The Ministry of Higher Education, Egypt
 Project Title: Group housing of veal and dairy calves in relation to behavior
 and welfare
 Amount: \$ 66,000
 Funding Period: 2 years
 Status: Completed

SOCIETY AFFILIATIONS

International Society of Applied Ethology (ISAE), Member 2017
 Poultry Science Association (PSA), Member 2017
 Center for Animal Welfare (CAW), University of California, Davis, Member 2015
 American Dairy Science Association (ADSA), Member 2013
 Society for the Protection and Welfare of Donkeys & Mules in Egypt, Member 2005
 Society for Animal Management and Welfare, Cairo University, Egypt, Member 2008
 Egyptian Rabbit Society, Zagazig University, Egypt, Member 2005

AWARDS AND HONOR

- 2019 A recipient of the Postdoctoral Scholar Association Travel Grant Award,
 University of California, Davis
- 2019 Awarded travel grant to attend the 2019 Annual Duck Research workshop,
 Leesburg, IN
- 2018 Nominated for the 2018 UC Davis Award for Excellence in Postdoctoral Research

- 2018 A recipient of the 2018 Science Talk travel award, Portland, Oregon, CA
- 2018 Fellow at the Leaders for the Future program, University of California, Davis
- 2017 A recipient of the Postdoctoral Scholar Association Travel Grant Award, University of California, Davis
- 2017 A recipient of the 2017 University of California Davis Community Service Award
- 2016 Fellow at FUTURE Certificate Program. University of California, Davis

PROFESSIONAL DEVELOPMENT

- 09/13-09/16/2019 Donkey Welfare Symposium 2019. UC Davis Conference Center. University of California, Davis
- 05/2-16-30/2019 Quantitative Decision Making Using DairyComp. Hosted by Valley Agricultural Software and Elanco Animal Health. Veterinary Medicine Teaching and Research Center, Tulare, CA
- 03/20-03/21/2019 Stockmanship & Stewardship, Beef Quality Assurance, Veterinary Medicine Teaching and Research Center, Tulare, CA
- 10/27-10/29/2018 Donkey Welfare Symposium, School of Veterinary Medicine, University of California, Davis
- 02/26-02/28/2018 Pacific Egg and Poultry Association 94th Annual Convention. Silverado Resort & Spa. Napa, California
- 01/20- 05/19/2018 Fellow for the UC Davis Leaders for the Future- Cohort 2 program. University of California, Davis
- 06/29/2017 Scholarly Teaching and Learner-Centered Practice workshop. UC Davis Center for Educational Effectiveness
- 03/17-03/19/2017 2017 Annual Meeting of National Postdoctoral Association. San Francisco, USA.
- 11/15/2016 Effective Lab Teaching and Learning workshop. UC Davis
- 10/22/2016 Horse Day 2016. Horse Barn, University of California Davis
- 05/24- 05/26/2016 Interdisciplinary Instructions: Designing a Course, Creating a Syllabus workshop. UC Davis
- 05/20/2016 Writing an effective research proposal. UC Davis
- 04/20/2016 The Benefits of ORCID to Individual Researchers, Authors, and Creators. UC Davis Library
- 04/13/2016 Office of Research Expo 2016. UC Davis
- 04/09/2016 The 2016 Bay Area Postdocs: Workshop on Scientific Teaching. San Francisco State University
- 01/12- 03/08/2016 Fellow for the FUTURE Certificate Program. The University of California Davis
- 01/23/ 2016 UC Davis Goat Day “Designing a Healthy Herd”. UC Davis Conference Center
- 11/6- 11/08/2015 UC Davis Donkey Welfare Symposium at Gladys Valley Hall and the Cole Animal Facility, UC Davis School of Veterinary Medicine. University of California, Davis
- 07/14/2015 Completion of UC compliance Briefing: Ethical values and conduct
- 6/29/2015 UC Laboratory Safety Fundamentals, University of California

6/29/2015	Animal care and Use 101, University of California, Davis
01/19/2014	Self-evaluation and external reviewing, Benha University, Egypt
2013	Animal Welfare Judging & Assessment team, Centre for Animal Welfare, Purdue University
2012	Lab work safety, USDA, Behavior Research Unit, West Lafayette, IN

COMMUNITY SERVICE AND LEADERSHIP

2019- present	Reviewer for journal of Environmental Science and Pollution Research
2019- present	Relation officer of Postdoctoral Scholars Association, University of California, Davis
2017-2019	Chair of Postdoctoral Scholars Association, University of California, Davis
2016-2017	Career Development Officer, Postdoctoral Scholars Association, University of California, Davis
2017-present	Reviewer for Poultry Science
2017-present	Peer Reviewer of Conference Abstracts, 2017 Poultry Science Association Annual Meeting
2016-2017	Member, Picnic Day Committee, Department of Animal Science University of California, Davis
2015-present	Reviewer for the Medical Research Archives (MRA)
2012-2013	Secretary of the Society for the Protection and Welfare of Donkeys & Mules in Egypt (SPWDME)
2008-2011	Member of quality assurance program in Faculty of Veterinary Medicine, Benha University, Egypt
2005-2012	Participated in the veterinary scientific campaigns at Qalyubia province, Egypt, and provided free medical treatment for animals of poor clients

PUBLICATIONS

Published Manuscripts

- E. M. Abdelfattah**, G. Vezzoli, G. Buczkowski, M. M. Makagon. 2018. The use of essential oils to combat Northern fowl mite (*Ornithonyssus Sylviarum*) in poultry houses. Medical and Veterinary Entomology. MVE-2017-1543.R3.
- E. M. Abdelfattah**, M. M. Karousa, D.C. Lay Jr., J. N. Marchant-Forde, S. D. Eicher. 2018. Short communication: Effect of age at group housing on behavior, cortisol, health, and leukocyte differential counts of neonatal bull dairy calves. Journal of Dairy Science. 101:1–7.
- E. M. Abdelfattah**, M. M. Karousa, M. M. Schutz, D. C. Lay Jr., J. N. Marchant-Forde, S. D. Eicher. 2015. Acute phase cytokines, TAC1, and Toll-Like receptor4 mRNA expression and health associated with group size in veal calves. Veterinary Immunology and Immunopathology. 164 118–126.
- 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. Journal of Animal Science. 91:5455-5465.

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.

Under-Press Manuscript

E. M. Abdelfattah, G. Vezzoli, M. M. Makagon. (2019). Assessment of commercial Pekin duck welfare: a comparison of methods. *Poultry Science*. PS-19-09405.R1.

Mohamed E. Abd El-Hack, Cesar Betancur Hurtado, Dairon Más Toro, Mahmoud Alagawany, **E. M. Abdelfattah** (2019). Fertility and Hatchability in Duck Eggs: A Comprehensive Review. *World's Poultry Science* 1/2019.

Mohamed E. Abd El-Hack, Cesar Betancur Hurtado, Dairon Más Toro, Mahmoud Alagawany, **E. M. Abdelfattah** and Shaaban S. Elnesr (2019). Impact of environmental and incubation factors on hatchability of duck eggs. *Biological Rhythm Research*.

In preparation Manuscript

E. M. Abdelfattah, Pius Ekong, Emmanuel Okello, Tapakorn Chamchoy, David Sheedy, Betsy M. Karle, Randi Black, Daniela Califano, Luis Duran, Jonathan Ongom, Deniece R. Williams, Terry W. Lehenbauer, Sharif S. Aly. (2019). Phenotype of Antimicrobial Resistance in *Escherichia coli* and *Enterococcus spp.* isolated from feces of adult cows on California dairies. To be submitted to PLOS One.

E. M. Abdelfattah, J. Tonoka, S. Aly. Effect of three fly control methods on dairy cattle's protective grouping behavior, commonly known as bunching, against *Stomoxys calcitrans* on California dairies. To be submitted to PLOS One.

Pius Ekong, **E. M. Abdelfattah**, Emmanuel Okello, Tapakorn Chamchoy, David Sheedy, Betsy M. Karle, Randi Black, Daniela Califano, Luis Duran, Jonathan Ongom, Deniece R. Williams, Terry W. Lehenbauer, Sharif S. Aly. (2019). Survey of antimicrobial drug use in adult cows on California dairies during 2018. To be submitted to PLOS One.

Conference Abstracts

Essam Abdelfattah, Pius Ekong¹, Emmanuel Okello, Terry Lehenbauer, Deniece Williams, Betsy Karle, Sharif Aly. 2019. Longitudinal study on antimicrobial treatment and resistance in adult cattle on California dairies. UC Davis Postdoctoral Research Symposium - 15 April 2019 - UC Davis Conference Center.

E. M. Abdelfattah, A. J. King, M. M. Makagon. 2018. Influence of genetic selection for feed efficiency on thermoregulatory behaviors of Japanese quail in response to heat stress. UC Davis Postdoctoral Research Symposium - 23 April 2018 - UC Davis Conference Center.

E. M. Abdelfattah, G. Vezzoli, M. M. Makagon. 2017. Assessment of commercial Pekin duck welfare: a comparison of methods. Poultry Science Association Annual Meeting, 17-20 July, Orlando, Florida.

M. Makagon, **E. Abdelfattah**, and G. Vezzoli. 2017. A comparison of on-farm duck welfare assessment methods. Xth European Symposium on Poultry Welfare, 19 - 22 June, Ploufragan.

E. M. Abdelfattah, G. Vezzoli, M. M. Makagon. 2017. Pekin duck welfare assessment: a comparison of methods. The 13th North American Regional Meeting of the ISAE, 12 May, Iowa State University.

E. M. Abdelfattah, G. Vezzoli, M. M. Makagon. 2017. Duck welfare assessment: a comparison of methods. UC Davis Postdoctoral Research Symposium - 12 April 2017 - UC Davis Conference Center.

- E. M. Abdelfattah**, G. Vezzoli, G. Buczkowski, M. M. Makagon. 2016. Essential Oils: Effects of application rate on their potential for combating northern fowl mite infestations. UC Davis Postdoctoral Research Symposium - 18 May 2016 - UC Davis Conference Center.
- 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. 2013. Acute phase cytokine, substance-P, and TLR4 association with housing stress and health in veal calves. 2013-A-67-CRWAD.

Published book

- E. M. Abdelfattah**, M. 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.

Non-Refereed Publication

- Emmanuel Okello, **Essam Abdelfattah**, Pius Ekong and Sharif Aly. 2019. Antimicrobial Drug Use and Resistance in Adult Cattle on California Dairies. UC Davis Vet Med Extension Newsletter. Spring 2019 Issue.

- E. M. Abdelfattah**, M. M. Schutz, D. C. Lay Jr., J. N. Marchant-Forde, S. D. Eicher. 2015. Does group size matter? *Hoard's Dairyman Magazine*. June: 410.

PRESENTATIONS

Invited Presentations

- E. M. Abdelfattah**. September 26, 2019. Veterinarian as a future job. Linwood Elementary School, Visalia, CA.
- E. M. Abdelfattah**. July 17, 2019. Antimicrobial resistance in food animals. Education and Agriculture Foundation. Veterinary Medicine Teaching and Research Center, Tulare, CA.
- E. M. Abdelfattah**. May 24, 2017. Transect walks and on-farm welfare assessment in ducks. The Professional Animal Auditor Certification Organization, Inc., University of California – Davis.
- E. M. Abdelfattah**. November 22, 2015. Effect of group size on behavior, health, immunity, and performance of veal calves. Center for Animal Welfare at Department of Animal Science, University of California – Davis.
- E. M. Abdelfattah**. March 19, 2014. Importance of Egyptian local breeds of chickens. Ministry of Agriculture. Qalyubia Province, Egypt.
- E. M. Abdelfattah**, M. M. Schutz, D. C. Lay Jr., J. N. Marchant-Forde, S. D. Eicher. June 2013. Effect of group size on behavior, health, production, and welfare of veal calves. Strauss Feeds Inc., North Manchester, IN.

E. M. Abdelfattah. April 2012. Breeds of Cattle and Buffaloes in Egypt. Purdue Dairy Club. West Lafayette. IN.

Scientific Presentations

- E. M. Abdelfattah,** G. Vezzoli, M. M. Makagon. 2017. Assessment of commercial Pekin duck welfare: a comparison of methods. Poultry Science Association Annual Meeting, 17-20 July, Orlando, Florida.
- E. M. Abdelfattah,** G. Vezzoli, M. M. Makagon. 2017. Pekin duck welfare assessment: a comparison of methods. The 13th North American Regional Meeting of the ISAE, 12 May, Iowa State University.
- E. M. Abdelfattah,** G. Vezzoli, G. Buczkowski, M. M. Makagon. 2016. Essential Oils: Effects of application rate on their potential for combating northern fowl mite infestations. UC Davis Postdoctoral Research Symposium - 18 May 2016 - UC Davis Conference Center.
- 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. The 2013 Joint ADSA-ASAS Annual Meeting. Indianapolis, IN.
- 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. The 2013 Joint ADSA-ASAS Annual Meeting. Indianapolis, IN.
- E. M. Abdelfattah,** M. M. Karousa, M. M. Schutz, D. C. Lay Jr., J. N. Marchant-Forde, S. D. Eicher. 2013. Acute phase cytokine, substance-P, and TLR4 association with housing stress and health in veal calves. Annual Meeting of The Conference of Research Workers in Animal Diseases. Chicago, IL.