

Seham Mohammed Elkassas (S. El-Kassas)

Lecturer of Animal, Poultry & Fish Breeding and Production

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Research interests

- Investigating the impact of nutrition and management on chicken and other life stock growth and performance.
- Impact of feeding on improving chicken and other life stock immune response.
- Genetic Improvement of the poultry growth.
- Immune-regulation of the poultry and animal growth.
- Immunogenic selection of highly resistant chicken.

Qualification and Academic History

- Bachelor degree of Veterinary Medical Science (B. V. Sc), May 2007 with overall grade **EXCELLENT WITH HONOUR DEGREE**, Faculty Of Veterinary Medicine, Kafrelsheikh University, Egypt, May 2007.
- Master degree of Veterinary medical science (M.V.Sc) in Animal, Poultry and Fish Breeding and Production, March 2012, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.
- Title of master thesis: Selection for Increasing Four Weeks Body Weight and Correlated Response to Body Conformation and Carcass Traits in Japanese Quail.
- **PhD Joint supervision scholarship candidate at College of veterinary Medicine, Nursing and Allied Health , Tuskegee University , Tuskegee , AL, USA from January 25,2014 to January 24, 2016.**
- Ph.D of Veterinary medical science in Animal, Poultry and Fish Breeding and Production, August 2016, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.
- Title of Ph.D thesis: Expression and Regulation of Cholecystokinin A Receptor in Chicken Immune System.

Professional Experience

- **Demonstrator** of Animal, Poultry and Fish Breeding and Production at Department Of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt, From 28/11/2008 till March 2012.
- **Assistant lecture:** Department Of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt, From March 2012 till September 2016.
- **Lecturer:** Department Of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt, From September 2016 till now
- **Major Duties:** Teaching the course of Animal, Poultry and Fish Breeding and Production for the 2nd year undergraduate students at the Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.
- Teaching advanced biostatistics, experimental design, computer and data processing, advanced animal, poultry and Fish breeding and production for postgraduates (Master and Ph.D.) students.

- Member of Central Diagnostic Lab at College of Veterinary Medicine, Kafrelsheikh University- Egypt.

Publications

- **Seham El-Kassas, Safaa E Abdo, Karima El-Naggar, Walied Abdo, Abeer AK Kirrella, Ibrahim El-Mehaseeb , Mohammed Abu El-Magd (2019).** Dietary Supplementation with Copper Oxide Nanoparticles Ameliorates Chronic Heat Stress in Broiler Chickens. Journal of Animal Production Science (**In-press**).
- **Seham El-Kassas, Safaa E Abdo, Karima El-Naggar, Walied Abdo, Abeer AK Kirrella, Toufic O Nashar (2018).** Ameliorative Effect of Dietary Supplementation of Copper Oxide Nanoparticles on Inflammatory and Immune Responses in Commercial Broiler under Normal and Heat-Stress Housing Conditions. Journal of Thermal Biology. Volume 78, December 2018, Pages 235-246. <https://doi.org/10.1016/j.jtherbio.2018.10.009>
- **AF El-Nahas, WM Basiony, S El-Kassas, and S Mahmoud (2018).** Variation in the Genetic Effects of ABCG2, Growth Hormone and Growth Hormone Receptor Gene Polymorphisms on Milk Production Traits in Egyptian Native, Holstein and Hybrid Cattle Populations. Pakistan Veterinary Journal ISSN: 0253-8318 (PRINT), 2074-7764 (ONLINE) DOI: 10.29261/pakvetj/2018.089.
- **Safaa Abdo, Seham El-Kassas*, Abeer El Nahas, and Shawky Mahmoud (2017).** Modulatory Effect of Monochromatic Blue Light on Heat Stress Response in Commercial Broilers. Oxidative Medicine and Cellular Longevity, Volume 2017 (2017), Article ID 1351945, 13 pages <https://doi.org/10.1155/2017/1351945>
- **Radi Mohamed, Sherif ElKholya, Mustafa Shukry, El-Kassas S, Nagham Saidy (2017)** Manipulation of Broiler Growth Performance, Physiological and Fear Responses Using Three Monochromatic LED lights. Alexandria Journal of Veterinary Sciences (AJVS). Vol. 53: 57-62. April 2017.DOI: 10.5455/ajvs.263048.
- **El-Kassas S, Odemuyiwa S, Hajishengallis G, Connell TD, Nashar TO (2016)** Expression and Regulation of Cholecystokinin Receptor in the Chicken's Immune Organs and Cells. J Clin Cell Immunol 7: 471. doi:10.4172/2155-9899.1000471.
- **Seham Elkassas, Jasmyne Davis, , and Toufic Nashar.** Control of Appetite in Chickens: Expression of CCKA Receptor Correlates with Immunological Parameters. 16th Annual Biomedical Research Symposium , College of veterinary Medicine, Nursing and Allied Health , Tuskegee University , Tuskegee , Al, USA. September 17-18. 2015.
- **Seham Elkassas, Jasmyne Davis, Solomon Odemuyiwa, and Toufic Nashar.** The Immune Status in Chickens is a Factor that May Control Appetite. NIH-MERIAL symposium, UC Davis School of Veterinary Medicine, University of California, Davis, CA, USA. From 30th July to 2nd of August 2015.
- **Rawah Faraj, Toufic Nashar, Seham El-Kassas, Karmarcha Martin, George Hajishengallis and Terry D Connell.** Novel mechanisms of adjuvanticity implied from in vitro studies with bacterial toxins. 9th Vaccines & Vaccination. From November 30-December 02, 2015 San Francisco, USA.
- **El-Kassas, S., Faraj, R., Martin, K., Hajishengallis, G., Connell, T. D., and Nashar, T., 2015.** Cell clustering and delay/arrest in T-cell division implicate a novel mechanism of immune modulation by E. coli heat-labile enterotoxin B-subunits. Cellular Immunology. pp. 150-162.
- **Seham Elkassas, M. M. Sharaf, and A. A. Mansour. 2012.** Selection for increasing four weeks body weight in Japanese quails. Kafrelsheikh Vet. Med. J. Vol. 11 No.2.