

Curriculum Vitae

Personal information

Name Safaa Elsayed Mohamed Abdo
(Abdo, S.E)



Date and place of Birth 17/09/1987, El Gharbia

Permanent Address Department of Animal Wealth Development, Fac. Vet. Med, Kafrelsheikh Univ. Kafrelsheikh, 33516, Egypt.

Telephone number Mobile 01091751710

E. Mail Safaa_abdo2010@vet.kfs.edu.eg
Safaa_2m@yahoo.com

Websites <https://scholar.google.com/citations?user=UQBLhE8A AAAJ&fbclid=IwAR2>
<https://www.scopus.com/authid/detail.uri?authorId=57194765414>
<https://www.researchgate.net/profile/Safaa-Abdo>
<https://publons.com/researcher/4306271/safaa-e-abdo>

Education

- **Bachelor degree** of Veterinary Medical Science (B. V. Sc), May 2009, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.
- **Master degree** of Veterinary Medical Science (M.V.Sc) in Genetic and Genetic Engineering, February 2014, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.
- **Title of master thesis:** Identification of Some SNPs Associated with Milk Production in Egyptian Water Buffalo.



لضمان جودة التعليم والإعتماد

Kafrelsheikh University
Faculty of Veterinary Medicine
Department of Animal Wealth Development



- **Ph.D** of Veterinary medical science in Genetic and Genetic Engineering, May 2017, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.
- **Title of Ph.D thesis:** "Variation in Cellular Responses and Gene Expression to Heat Stress in Commercial Broilers in Egypt".

Academic positions

- 2010-2011** Demonstrator of Anatomy and Embryology, Anatomy and Embryology Department, Faculty of Veterinary Medicine, Sohag University, Egypt
- 2011-2014** Demonstrator of Genetics and Genetic Engineering, at Department of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt
- 2014-2017** Assistant lecture of Genetics and Genetic Engineering at Department Of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.
- 2017- till now** Lecturer of Genetics and Genetic Engineering at Department Of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.

Scientific Publications

- 1- **Safaa E Abdo**, El-Nahas, A.F., Abdelmenam, S., Elmadawy, M.A., Mohamed, R., Helal, M.A., El-Kassas, S., **2022**. The synergetic effect of Bacillus species and Yucca shidigera extract on water quality, histopathology, antioxidant, and innate immunity in response to acute ammonia exposure in Nile tilapia. Fish & Shellfish Immunology 128, 123-135.
- 2- El-Kassas, S., Aljahdali, N., **Safaa E Abdo**, Alaryani, F.S., Moustafa, E.M., Mohamed, R., Abosheashaa, W., Abdulraouf, E., Helal, M.A., Shafi, M.E., El-Saadony, M.T., El-Naggar, K., Conte-Junior, C.A., **2022**. Moringa oleifera Leaf Powder Dietary Inclusion Differentially Modulates the Antioxidant, Inflammatory, and Histopathological Responses of Normal and Aeromonas hydrophila-Infected Mono-Sex Nile Tilapia (Oreochromis niloticus). Frontiers in veterinary science 9, 918933.
- 3- FatmaEsam, Malik M.Khalafalla, Mahmoud S Gewaily, **Safaa E Abdo**, Aziza M.Hassan, Mahmoud AO Dawood. (2022). "Acute ammonia exposure combined with heat stress impaired

- the histological features of gills and liver tissues and the expression responses of immune and antioxidative related genes in Nile tilapia." *Ecotoxicology and Environmental Safety* 231: 113187.
- 4- Taha Ismail, Elsayed Hegazi, Eldsokey Nassef, Mohammed T Shehab El-Din, Mahmoud AO Dawood, **Safaa E Abdo**, Mahmoud S Gewaily. (2021). "Gut immune-related gene expression, histomorphometry and hematoimmunological assays in Nile tilapia (*Oreochromis niloticus*) fed *Aspergillus oryzae* fermented olive cake." *Fish & Shellfish Immunology* **117**: 299-310.
 - 5- Mohamed I El-Katcha, Mosaad A Soltan, Ramadan Shewita, **Safaa E Abdo**, Amr S Sanad, Vincenzo Tufarelli, Mahmoud Alagawany, Karima El-Naggar. (2021). "Dietary Fiber and Lysolecithin Supplementation in Growing Ducks: Effect on Performance, Immune Response, Intestinal Morphology and Lipid Metabolism-Regulating Genes." *Animals* **11**(10): 2873.
 - 6- Mahmoud S Gewaily, **Safaa E Abdo**, Eman M Moustafa, Marwa F AbdEl-kader, Abd El-Razek, M Ibrahim, Mohamed El-Sharnouby, Mohamed Alkafafy, Mohammed F El Basuni, Hien Van Doan, Mahmoud AO Dawood. (2021). "Dietary Synbiotics Can Help Relieve the Impacts of Deltamethrin Toxicity of Nile Tilapia Reared at Low Temperatures." *Animals* **11**(6): 1790.
 - 7- Karima El-Naggar, Radi Mohamed, Mohamed I El-katcha, **Safaa E Abdo**, Mosaad A Soltan.(2021). Plant Ingredient diet supplemented with lecithin as fish meal and fish oil alternative affects growth performance, serum biochemical, lipid metabolism and growth-related gene expression in Nile tilapia." *Aquaculture Research*
 - 8- **Safaa E Abdo**, Gewaily, M. S., Abo-Al-Ela, H. G., Almeer, R., Soliman, A. A., Elkomy, A. H., et al. (2021). Vitamin C rescues inflammation, immunosuppression, and histopathological alterations induced by chlorpyrifos in Nile tilapia. *Environ. Sci. Pollut. Res.* doi: 10.1007/s11356-021-12711-5
 - 9- Abo-Al-Ela, Haitham G., El-Kassas, S, El-Naggar, K., **Safaa E Abdo**, Jahejo, Ali Raza, Al Wakeel, Rasha (2021). Stress and immunity in poultry: light management and nanotechnology as effective immune enhancers to fight stress. *Cell Stress and Chaperones* 26, 457–472. <https://doi.org/10.1007/s12192-021-01204-6>
 - 10- Kirrella, A.A.; **Safaa E Abdo**; El-Naggar, K.; Soliman, M.M.; Aboelenin, S.M.; Dawood, M.A.O.; Saleh, A.A (2021). Use of Corn Silk Meal in Broiler Diet: Effect on Growth Performance, Blood Biochemistry, Immunological Responses, and Growth-Related Gene Expression. *Animals*, **11**, 1170.

- 11- Seham El-Kassas, **Safaa E Abdo**, Wesam Abosheashaa, Radi Mohamed, Eman M Moustafa, Mohamed Atef Helal, Karima El-Naggar (2020). Growth performance, serum lipid profile, intestinal morphometry, and growth and lipid indicator gene expression analysis of mono-sex Nile tilapia fed Moringa oleifera leaf powder. Aquaculture Reports.
- 12- Mahmoud AO Dawood, Ibrahim S El-Shamaa, Nagwa I Abdel-Razik, Azza H Elkomy, Mahmoud S Gewaily, **Safaa E Abdo**, Ali A Soliman, Bilal Ahamad Paray, Nevien Abdelkhalek (2020). The effect of mannanoligosaccharide on the growth performance, histopathology, and the expression of immune and antioxidative related genes in Nile tilapia reared under chlorpyrifos ambient toxicity. Fish Shellfish Immunol
- 13- Dawood MAO, El-Salam Metwally A, Elkomy AH, Gewaily MS, **Safaa E Abdo**, Abdel-Razek MAS, Soliman AA, Amer AA, Abdel-Razik NI, Abdel-Latif HMR, (2020). The impact of menthol essential oil against inflammation, immunosuppression, and histopathological alterations induced by chlorpyrifos in Nile tilapia. Fish Shellfish Immunol 102:316– 325
- 14- Dawood MA, AbdEl-kader MF, Moustafa EM, Gewaily MS, **Safaa E Abdo**, (2020). Growth performance and hemato-immunological responses of Nile tilapia (*Oreochromis niloticus*) exposed to deltamethrin and fed immunobiotics. Environ Sci Pollut Res. 1-10. <https://doi.org/10.1007/s11356-020-07775-8>
- 15- Dawood MA, **Safaa E Abdo**, Gewaily MS, Moustafa EM, SaadAllah MS, AbdEl-kader MF, Hamouda AH, Omar, A.A, Al wakeel, R. (2020). The influence of dietary β -glucan on immune, transcriptomic, inflammatory and histopathology disorders caused by deltamethrin toxicity in Nile tilapia (*Oreochromis niloticus*). Fish & Shellfish Immunology. 98, 301-311. <https://doi.org/10.1016/j.fsi.2020.01.035>
- 16- Dawood MA, Moustafa EM, Gewaily MS, **Safaa E Abdo**, AbdEl-kader MF, SaadAllah MS, Hamouda AH, (2020). Ameliorative effects of *Lactobacillus plantarum* L-137 on Nile tilapia (*Oreochromis niloticus*) exposed to deltamethrin toxicity in rearing water. Aquat Toxicol 105377. <https://doi.org/10.1016/j.aquatox.2019.105377>.
- 17- El-Kassas, S., El-Naggar, K., **Safaa E Abdo**, Abdo, W., Kirrella, A.A.K., El-Mehaseeb, I. Abu El-Magd, M., (2020). Dietary supplementation with copper oxide nanoparticles

- ameliorates chronic heat stress in broiler chickens. *Animal Production Science*. 60 (2), 254-268. <https://doi.org/10.1071/AN18270>.
- 18- MA Elmadawy, El-Kassas, S., **Safaa E Abdo**, A Nagai, *Bunai Y.*(2019). Genetic diversity among two common populations of *canis lupus familiaris* in Egypt by using mitochondrial DNA HVR1 sequence. *Slov Vet Res*. 56 (22), 75–85. [DOI 10.26873/SVR-745-2019](https://doi.org/10.26873/SVR-745-2019)
- 19- Saleh, A. A.; Kirrella, A. A.; **Safaa E Abdo**; Mousa, M. M.; Badwi, N. A.; Ebeid, T. A.; Nada, A. L.; and Mohamed, M. A., (2019). Effects of dietary xylanase and arabinofuranosidase combination on the growth performance, lipid peroxidation, blood constituents, and immune response of broilers fed low-energy diets. *Anim.*, 9(7): 467. <https://doi.org/10.3390/ani9070467>.
- 20- El-Naggar, K., El-Kassas, S., **Safaa E Abdo**, Abdo, W., Kirrella, A.A.K., Al wakeel, R.A., (2019). Role of gamma-aminobutyric acid in regulating feed intake in commercial broilers reared under normal and heat stress conditions. *J. Therm. Biol*. 84, 164-175. <https://doi.org/10.1016/j.jtherbio.2019.07.004>
- 21- El-Kassas, S., **Safaa E Abdo**, El-Naggar, K., Abdo, W., Kirrella, A.A.K., Nashar, T.O., 2018. Ameliorative effect of dietary supplementation of copper oxide nanoparticles on inflammatory and immune responses in commercial broiler under normal and heatstress housing conditions. *J. Therm. Biol*. 78, 235–246. <https://doi.org/10.1016/j.jtherbio.2018.10.009>.
- 22- **Safaa E Abdo**, El-Kassas, S., El-Nahas, A.F., Mahmoud, S., (2017). Modulatory effect of monochromatic blue light on heat stress response in commercial broilers. *Oxidative Med. Cell. Longev*. 13. <https://doi.org/10.1155/2017/1351945>.
- 23- **Safaa Elsayed Abdo**, Mohammad Abu El- Magd, Abeer Fekry El-Nahas, Ali Abd El-Kader Mansour., (2014). LEPTIN GENE SNPS AND THEIR EFFECT ON MILK TRAITS IN EGYPTIAN BUFFALO (*BUBALUS BUBALIS*). *Kafrelsheikh Vet. Med. J*. 12(1), 247-259.
- 24- **Published genes on GenBank databases:**
- Partial sequence of Osteopontin gene was submitted to the GenBank database with accession [KC415282](https://doi.org/10.1016/j.jtherbio.2018.10.009).



- Partial sequence of Leptin gene was submitted to the GenBank database with accession numbers [KC415280](#)

Scientific awards

- Kafrelsheikh University award for international publication, 2018-2019
- Kafrelsheikh University award for international publication, 2019-2020
- Kafrelsheikh University award for international publication, 2020-2021
- Kafrelsheikh University award for international publication, 2021-2022

Thesis supervision

- **“Genetic Response to Different Water Bio-remedies in Nile Tilapia”**, Master thesis, Department of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University.
- **“Effect of Some Natural Feed Additives on The expression of Food Metabolism Related Genes in Nile Tilapia”**. Master thesis, Department of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University.
- **“Genetic Evaluation to Some Reproductive Traits in Egyptian Buffalo ”**. Master thesis, Department of Animal Wealth Development, Faculty of Veterinary Medicine, Kafrelsheikh University.

Research interests

- Investigating the impact of nutrition, economic food additives (Phytobiotic and probiotics) and management on animal and fish growth performance and immune response.
- Genetic Improvement of the animal and fish growth and immunity.
- Genetic selection of highly resistant animal and fish breeds.
- Genetic improvement to Egyptian Buffalo milk and meat production traits.