



CV of the Research Group Member: Mahmoud Alagawany

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Academic Position	Associate Professor
College/Center	Agriculture
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GENERAL INFO

Address: Poultry Department, Faculty of Agriculture, Zagazig University, Zagazig, Egypt.

Personal Data (Date and place of birth, family status):

Date of birth: 15/03/1982, Zagazig, Egypt

Family status: Married and have 3 children.

EDUCATION

- B. Sc. 2003
- MSc. 2008
- Ph.D., 2012 University of Zagazig, Egypt.

PRESENT POSITIONS

Associate Professor of Nutrition in Poultry Department, Faculty of Agriculture, Zagazig University, Zagazig, Egypt.



AWARDS AND HONORS

1. Dr. Alagawany was awarded the State Encouragement Prize in Agricultural Sciences in 2018.
2. According to the classification of Stanford University, his name was listed in the list of Top 2% scientists.
3. Principle Investigators for project "Production, Reproduction and Improvement of Egyptian Geese" funded by Science and Technology Development Fund (STDF) - Ministry of Scientific Research, Egypt.
4. Dr. Alagawany was awarded the Zagazig University award for international publishing (2014-2021).

MEMBERSHIPS

1. Egyptian Rabbit Science Association (ERSA).
2. Egyptian Journal Nutrition and Feeds.
3. Egyptian Society of Natural Toxins.
4. International academy of biosciences. <http://iab-uk.org/founder-members/>
5. Member in specialized councils in Academy of Scientific Research and Technology, Egypt.

APPOINTMENTS

- Demonstrator, Poultry Department, Faculty of Agriculture, Zagazig University, Zagazig, Egypt (2003-2008).
- Assistant Lecturer, Poultry Department, Faculty of Agriculture, Zagazig University, Zagazig, Egypt (2008-2012).
- Lecturer, Poultry Department, Faculty of Agriculture, Zagazig University, Zagazig, Egypt (2012-2018).
- Associate Professor, Poultry Department, Faculty of Agriculture, Zagazig University, Zagazig, Egypt (2018-till now).

MAIN RESEARCH OR TECHNOLOGY TOPICS

1. Alternative fed local resource for poultry feeding.
2. Improving the utilization of low quality feedstuffs by different treatments and supplementation.
3. Alternative to antibiotic.
4. Energy utilization by broilers and layers.



5. Reduce the negative impact of heat stress on bird's performance.
6. The effect of Vit. E, and C on poultry performance.
7. Feed additives
8. Technology, Nutrition, Meat quality, Carcass, Production, Physiology, Husbandry, Metabolism, Immunity, Statistics, Feed Science and Technology, Antioxidant, Feed Additives, Microbiology, Animal, Poultry, fish, Amino acids, Vitamins, Protein, Carbohydrate, Fat, Mineral.

COLLABORATION

- 1- University of Bari, Italy.
- 2- King Saud University, Saudi Arabia.
- 3- Department of Poultry Sci, Alexandria University, Egypt.
- 4- Department of Animal and Poultry Production, Damanshour University, Egypt.
- 5- Academy of Scientific Research and Technology, Egypt.
- 6- King Abdulaziz University, DSR, Jeddah, Saudi Arabia.
- 7- Veterinary medicine, Zagazig University, Egypt.

PUBLICATIONS AND JOURNALS

(Total Number of publication= 150 published in international previewed journals.

RECENT RELEVANT (2021)

1. Farag M.R., Alagawany M., Khalil S.R., Abd El-Aziz R.M., Zagloul A.W., A. Moselhy A.A., Abou-Zeid S.M. (2021). Effect of parsley essential oil on digestive enzymes, intestinal morphometry, blood chemistry and stress-related genes in liver of Nile tilapia fish exposed to Bifenthrin. *Aquaculture* <https://doi.org/10.1016/j.aquaculture.2021.737322>.
2. El-Saadony M.T., M. Alagawany, A.K. Patra, I. Kar, R. Tiwari, M.A.O. Dawood, K. Dhama, H.M.R. Abdel-Latif, 2021. The functionality of probiotics in aquaculture: An overview. *Fish & Shellfish Immunology*, 117, 36-52.
3. El-Saadony M.T., N.M. Zabermawi, N.M. Zabermawi, M.A. Burollus , M.E. Shafi, M. Alagawany, N. Yehia, A.M. Askar, S.A. Alsafy, A.E. Norelding, A.F. Khafaga, K. Dhama, S.S. Elnesr, H.A. M. Elwan, A. Di Cerbo, K.A. El-Tarabily, M.E. Abd El-Hack. (2021). Nutritional Aspects and Health Benefits of Bioactive Plant Compounds against Infectious Diseases: A Review. *Food Reviews International*. <https://doi.org/10.1080/87559129.2021.1944183>.
4. Batool F., Bilal R.M., Hassan F.U., Nasir T.A., Rafeeqe M., Elnesr S.S., Farag M.R., Mahgoub H.A.M., Naiel M.A.E., Alagawany M. (2021). An updated review on behavior of domestic quail with reference to the negative effect of heat stress. *Animal biotechnology*, <https://doi.org/10.1080/10495398.2021.1951281>



5. Farag, M.R.; Alagawany, M.; Bilal, R.M.; Gewida, A.G.A.; Dhama, K.; Abdel-Latif, H.M.R.; Amer, M.S.; Rivero-Perez, N.; Zaragoza-Bastida, A.; Binnaser, Y.S.; et al. An overview on the potential hazards of Pyrethroid Insecticides in Fish with Special emphasis on Cypermethrin Toxicity. *Animals* 2021, 11, x. <https://doi.org/10.3390/xxxxx>
6. Abdelnour, S.A.; Alagawany, M.; Hashem, N.M.; Farag, M.R.; Alghamdi, E.S.; Hassan, F.U.; Bila, R.M.; Elnesr, S.S.; Dawood, M.A.O.; Nagadi, S.A.; Elwan, H.A.M.; ALmasoudi, A.G.; Attia, Y.A. Nanominerals: Fabrication Methods, Benefits and Hazards, and Their Applications in Ruminants with Special Reference to Selenium and Zinc Nanoparticles. *Animals* 2021, 11, 1916. <https://doi.org/10.3390/ani11071916>
7. Alagawany, M.; Qattan, S.Y.A.; Attia, Y.A.; El-Saadony, M.T.; Elnesr, S.S.; Mahmoud, M.A.; Madkour, M.; Abd El-Hack, M.E.; Reda, F.M. Use of Chemical Nano-Selenium as an Antibacterial and Antifungal Agent in Quail Diets and Its Effect on Growth, Carcasses, Antioxidant, Immunity and Caecal Microbes. *Animals* 2021, 11, 3027. <https://doi.org/10.3390/ani11113027>
8. Fikry A.M., A.I. Attia, I.E. Ismail, M. Alagawany, F.M. Reda, (2021). Dietary citric acid enhances growth performance, nutrient digestibility, intestinal microbiota, antioxidant status, and immunity of Japanese quails. *Poultry Science*, <https://doi.org/10.1016/j.psj.2021.101326>.
9. Dawood, M.A.O., Alagawany, M. & Sewilam, H. The Role of Zinc Microelement in Aquaculture: a Review. *Biol Trace Elem Res* (2021). <https://doi.org/10.1007/s12011-021-02958-x>
10. Raza, S. H. A., Abd El-Aziz, A. H., Abdelnour, S. A., Easa, A. A., Alagawany, M., Farag, M. R., Al-Mutary, M. G., Elfadadny, A., Khan, R., Quan, G., Cheng, G., & Zan, L. (2021). The role of forskolin as a lipolytic stimulator during in vitro oocyte maturation and the in vitro embryo production of livestock. *Reproduction in Domestic Animals*, 00, 1–11. <https://doi.org/10.1111/rda.14021>
11. Reda F.M., Ismail I.E., Attia A.I., Fikry A.M., Khalifa E., Alagawany M. (2021). Use of fumaric acid as a feed additive in quail's nutrition: its effect on growth rate, carcass, nutrient digestibility, digestive enzymes, blood metabolites and intestinal microbiota. *Poultry Science*(2021), <https://doi.org/10.1016/j.psj.2021.101493>
12. El-Katcha, M.I.; Soltan, M.A.; Shewita, R.; Abdo, S.E.; Sanad, A.S.; Tufarelli, V.; Alagawany, M.; El-Naggar, K. Dietary fiber and lysolecithin supplementation in growing ducks: effect on performance, immune response, intestinal morphology and lipid metabolism-regulating genes. *Animals* 2021, 11, 2873. <https://doi.org/10.3390/ani11102873>
13. Abou-Zeid, S.M.; Aljuaydi, S.H.; AbuBakr, H.O.; Tahoun, E.A.; Di Cerbo, A.; Alagawany, M.; Khalil, S.R. Astaxanthin Mitigates Thiocloprid-Induced Liver Injury and Immunotoxicity in Male Rats. *Mar. Drugs* 2021, 19, 525. <https://doi.org/10.3390/md19090525>
14. Bilal R.M., Hassan F.U., Saeed M., M. Rafeeq, Zahra N., Fraz A., Saeed S., Khan M.A., Mahgoub H.A.M., Farag M.R. and Alagawany M. 2021. Role of yeast and yeast-derived products as feed additives in broiler nutrition. *Animal Biotechnology*, DOI: 10.1080/10495398.2021.1942028.



15. Elsayed A.A.M., Abol-Ela S.S., Askar A.A., Mohamed L.A., Sayed S.A.E., Ahmed S.Y.A., Moustafa A.A., Alagawany M. (2021). Supplementation of different zinc sources to low-CP diets and its effect on performance, carcass traits, liver and kidney functions, immunological and antioxidant parameters of quail chicks. 2021 Poultry Science 100:101463.
16. Bassiony S.S., A.A. Al-Sagheer, M.S. El-Kholy, E.A. Elwakeel, A.A. Helal, M. Alagawany (2021). Evaluation of *Enterococcus faecium* NCIMB 11181 and *Clostridium butyricum* probiotic supplements in post-weaning rabbits reared under thermal stress conditions. *Italian Journal of Animal Science*, 20: 1232-1243.
17. El-Fakhrany H.H., Z.A. Ibrahim, E.A. Ashour, and M. Alagawany (2021). Efficacy of in ovo delivered resveratrol (Trans 3, 4, 5-trihydroxystilbene) on growth, carcass weights, and blood metabolites of broiler chicks. *Animal Biotechnology*, <https://doi.org/10.1080/10495398.2021.1972004>.
18. Dawood, M.A.O., Basuini, M.F.E., Yilmaz, S., Abdel-Latif, H.M.R., Kari, Z.A., Abdul Razab, M.K.A., Ahmed, H.A., Alagawany, M., Gewaily, M.S. Selenium Nanoparticles as a Natural Antioxidant and Metabolic Regulator in Aquaculture: A Review. *Antioxidants* 2021, 10, 1364. <https://doi.org/10.3390/antiox10091364>
19. Bilal RM, Liu C, Zhao H, Wang Y, Farag MR, Alagawany M, Hassan F, Elnesr SS, Elwan HAM, Qiu H and Lin Q (2021) Olive Oil: Nutritional Applications, Beneficial Health Aspects and its Prospective Application in Poultry Production. *Front. Pharmacol.* 12:723040. doi: 10.3389/fphar.2021.723040
20. Raz S.H.A., Abdelnour S.A., Alotaibi M.A., AlGabbani Q., Naiel M.A.E., Shokrollahi B., Noreldin A.E., Jahejo A.R., Zhang H., Alagawany M., Zan L. (2021). MicroRNAs mediated environmental stress responses and toxicity signs in teleost fish species. *Aquaculture*, 2021 <https://doi.org/10.1016/j.aquaculture.2021.737310>.