

AbdelRahman Youssef Mohamed Abdelhady, PhD

Poultry Flock Nutrition Manager | Feed Formulation, Feed Mill Support & Applied Poultry Research

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PROFESSIONAL SUMMARY

Senior poultry nutrition professional with extensive experience across breeder, layer, and broiler operations, feed formulation and reformulation, feed mill technical support, premix quality control, applied poultry research, and regional technical management. Associate Professor in Poultry Nutrition with a strong industrial and field background gained through breeder farms, commercial poultry operations, feed additive manufacturing, private nutritional consultancy, and supervision of commercial and scientific trials. Currently serving as Regional Technical Manager at NOREL S.A., supporting markets across the Middle East, Africa, Pakistan, Bangladesh, and Nepal. Recognized for translating scientific knowledge into practical flock and feed mill solutions and delivering data-driven recommendations under commercial production conditions.

CORE AREAS OF EXPERTISE

- Broiler, layer, and breeder nutrition
- Feed formulation and reformulation
- Flock performance analysis and troubleshooting
- Feed mill technical follow-up
- Raw material and finished feed quality control
- Premix manufacturing and mixing homogeneity
- Applied poultry research and field trials
- Feed additives technical evaluation
- Nutritional program design and review
- Production records and KPI interpretation
- Technical training and advisory support
- Bestmix, Brill, Concept5, SAS, SPSS, Power BI

PROFESSIONAL EXPERIENCE

Regional Technical Manager – Middle East, Africa & South Asia | **NOREL S.A. for Animal Nutrition** | Jun 2023 – Present | Regional role

- Provide regional technical leadership for poultry and animal nutrition solutions across the Middle East, Africa, Pakistan, Bangladesh, and Nepal.
- Conduct technical visits, customer support activities, product evaluations, and field troubleshooting across approximately 19 countries.
- Support distributors, feed mills, nutritionists, and commercial teams with practical recommendations on flock performance, feed additives, gut health, feed quality, and nutritional strategy.
- Design, follow up, and interpret technical and commercial trials under different production conditions, while delivering technical and managerial training to strengthen field execution.

Technical Supervisor | **Applied Feed Research House (AFRH)** | 2016 – 2024 | Egypt

- Supported customers in the follow-up of feed formulations developed by the AFRH technical team under the supervision of Dr. Massad Hashem.
- Monitored feed manufacturing practices in feed mills to ensure proper implementation of formulations and optimal production efficiency.
- Responded to customer technical inquiries related to feed quality, formulation application, and manufacturing performance.
- Investigated feed-related complaints and helped assess the relationship between feed production quality and farm performance outcomes.
- Played a key role in linking feed formulation, manufacturing execution, and field results under commercial production conditions.

Independent Poultry Nutrition Consultant | **Private Clients and Feed Mills** | 2014 – 2023 | Egypt

- Prepared and reviewed poultry feed formulations for private customers and small-to-medium feed operations.
- Linked feed formulation and manufacturing practices with flock productivity by monitoring feed production, technical observations, and performance outcomes.
- Provided practical nutritional and management support for broiler and layer operations and assisted in troubleshooting feed quality and nutrient balance issues.

Broiler Farm Trainee | Wadi Poultry Farms | 2011 – 2012 | Egypt

- Trained in broiler farm operations and technical follow-up within a commercial poultry production environment.
- Worked with technical teams and gained hands-on exposure to day-to-day broiler management and performance monitoring.

EDUCATION

- PhD in Agriculture Science (Poultry Nutrition), Ain Shams University, 2016 | Dissertation: Study of Some Feed Additives to Improve Phosphorus Utilization in Broiler Diets | Grade: Excellent with Honors
- MSc in Agriculture Science (Poultry Nutrition), Ain Shams University, 2012 | Thesis: Effect of Enzyme Preparations on Apparent Metabolizable Energy of Broiler Diets | Grade: Excellent with Honors
- BSc in Agriculture Science, Poultry Production Department, Ain Shams University, 2007 | Grade: Excellent with Honors

ACADEMIC APPOINTMENTS

NOW I AM IN COLLAGE LEAVE FOR WORKING

- Associate Professor, Faculty of Agriculture, Ain Shams University | Feb 2022 – Present
- Assistant Professor, Faculty of Agriculture, Ain Shams University | Jun 2016 – Feb 2022
- Lecturer, Faculty of Agriculture, Ain Shams University | May 2012 – Jun 2016
- Demonstrator, Faculty of Agriculture, Ain Shams University | Aug 2008 – May 2012

COMPUTER AND SOFTWARE SKILLS:

- Feed formulation software: Bestmix, Brill Formulation, Concept5
- Data analysis and reporting: Excel, Access, Power BI, IBM tools, SAS, SPSS
- Laboratory and analytical exposure: proximate analysis, NIR, HPLC for amino acids and vitamins, and feed quality evaluation
- Operating systems and office tools: Windows, Linux, Microsoft Office (ICDL)

SELECTED PROFESSIONAL TRAINING

- 8th Regional Dairy Nutrition Conference USSEC - MENA from 21 to 24 July 2024 .
- 6th Poultry Feed Milling Training Course – MENA by Soybean Export Council (USSEC) from 13 to 20 Jan 2023;
- Poultry nutrition of the feed and nutrition course by Schothorst Feed Research designed for Huvepharma 2023;
- Aviagen Virtual production management school by Aviagen in Aug 2020

SELECTED PROFESSIONAL TRAINING

- Poultry Feed Milling Training Course – USSEC MENA, 2023
- Poultry Feed and Nutrition Course – Schothorst Feed Research, 2023
- Aviagen Virtual Production Management School, 2020
- Laboratory training in feed analysis and digestibility assessment, 2015 – 2016

SELECTED SCIENTIFIC & INDUSTRY PAPERS

Author and co-author of peer-reviewed research in poultry nutrition, gut health, mineral utilization, feed additives, and flock performance, with publications in Poultry Science, Scientific Reports, Journal of Applied Poultry Research, Journal of Animal Science, and Animals. Below the list of publications from WOS ResearcherID: P-1956-2018

- Effect of microbial phytase on energy utilization in broiler diets. Journal of Agricultural Science, Mansoura University, 2011.
- Influence of microbial phytase on broiler performance fed low levels of energy and protein with a constant ratio. Research Bulletin, Ain Shams University, 2012.
- Effect of sodium formate with restricted calcium and phosphorus on broiler performance and gut health. Egyptian Journal of Nutrition and Feeds, 2015.
- Effect of different dietary fat sources on productive performance and breast meat quality in Japanese quails. Egyptian Journal of Nutrition and Feeds, 2018.
- Acidification of broiler feeds in relation to bone chemical and biophysical traits. Egyptian Poultry Science J. 2019.
- Impact of Phyto-cocci® powder supplementation on broiler growth performance, Eimeria oocyst shedding, and gut health. International Journal of Poultry Science, 2020.
- Effect of β -mannanase enzyme supplementation in energy-deficient diets on productive performance, physiological traits, and carcass traits of broilers. International Journal of Poultry Science, 2020.
- Comparative evaluation of single or combined anticoccidials on performance, antioxidant status, immune response intestinal architecture of broiler chickens challenged with Eimeria species. Poultry Science, 2021.
- Effect of 25-hydroxyvitamin D supplementation, ultraviolet light, and their interaction on productive performance, bone characteristics, and behavioral aspects of broiler chicks. Annals of Agricultural Sciences, 2022.

- Ameliorative effects of 25-hydroxycholecalciferol levels on broiler chickens challenged with infectious bronchitis coronavirus. *Journal of Applied Poultry Research*, 2022.
- Drug-independent control strategy of clostridial infection in broiler chickens using anti-toxin environmentally friendly multienzymes. *Scientific Reports*, 2023.
- Effects of different doses of multienzyme supplementation on growth performance, duodenal pH, morphology, and carcass traits in broilers fed diets with increasing energy reduction. *Animals*, 2023.
- Oregano essential oil and *Bacillus subtilis* role in enhancing broiler growth, stress indicators, intestinal integrity, and gene expression under high stocking density. *Scientific Reports*, 2024.
- Effects of cold-pressed wheat germ oil and *Bacillus subtilis* on growth performance, digestibility, immune status, intestinal microbial enumeration, and gene expression of broilers under heat stress. *Poultry Science*, 2025.
- Effects of microencapsulated essential oils and seaweed meal on growth performance, digestive enzymes, intestinal morphology, liver functions, and plasma biomarkers in broiler *Journal of Animal Science*, 2025.
- In-ovo injection of *Nigella sativa* nanoparticles improves hatchability, growth performance, intestinal microbial enumeration, immunity, and gene expression of ostrich chicks. *Poultry Science*, 2025.
- Dietary effect of nano-encapsulated probiotics and alpha-lipoic acid in improving blood parameters, immunity, gut health, gene expression, and growth performance in heat-stressed broilers. *Poultry Science*, 2026.
- Dietary combined thyme meal and *Bacillus subtilis* to promote growth performance, immune function, gene expression, antioxidant defense, and cecal microbiota in growing rabbits under heat stress conditions. *Veterinary Sciences*, 2026.
- Calcium pidolate supplementation enhances broiler growth, bone strength, and mineral utilization under reduced dietary calcium and phosphorus levels. *Poultry Science*, 2026.

SELECTED INTERNATIONAL CONFERENCES

- Pacific Rim Scientific Conference, 13–16 October 2025, Macau, China.
- 24th European Symposium on Poultry Nutrition (ESPN), 23–26 June 2025, Maastricht, The Netherlands.
- International Poultry Scientific Forum (IPSF) January 26-27, 2025, Georgia World Center, Atlanta, USA.
- 23rd European Symposium on Poultry Nutrition 2023, 21 – 24 June 2023, Palacongressi di Rimini, Italy.
- 17th Scientific Conference of Animal Nutrition, 5-8 November 2019, Taba South Sini Egypt.
- 22nd European Symposium on Poultry Nutrition, 10-13 June 2019 Gdańsk, Poland.
- XVth European Poultry Conference 17-21 September 2018, Dubrovnik, Croatia.
- 9th International Poultry Conference, 7-10 November 2016 Hurghada – Egypt.
- 15th Scientific Conference for The Egyptian Society of Nutrition and Feeds 2017 Luxor Egypt.

PROFESSIONAL MEMBERSHIPS

- Memberships of World Poultry Science USA (WPSA).
- Memberships of Poultry Science Association (PSA).
- Memberships of Egyptian Poultry Science Association (EPSA).
- Memberships of Egyptian Society of Animal Production (ESPA)
- Memberships of Egyptian Journal of Nutrition and Feeds.
- Memberships of International Journal of Poultry Science (IJPS).

Languages:

- Arabic (Native), English (Working proficiency)

AUTHOUR FOR BOOK CHAPTER:

- Organic Feed Additives for Livestock (2024), Chapter 7 - Use of macro- and microalgae in animal nutrition, <https://doi.org/10.1016/B978-0-443-13510-1.00007-4>

ACADIMIC GRANT AND PROJECTS

- A project funded by the Science and Technology Development Fund (STDF No. 43357) on August, 2020-2021, titled "Improving Practices of Broiler Chicks Using Some Managerial and Nutritional Practices" as (Co-Principle investigator).

VOLUNTEER EXPERIENCE

- Participation in the convoys organized by the college from 2008 to 2014 with Qalyobia Governorate to training farmers in villages.
- Participation in training programs organized by the Egyptian International Centre for Agriculture (EICA) for trainees from all over the world in animal and poultry production.