

# RESUME 2021

<http://www.modares.ac.ir/pro/admin>  
<http://www.modares.ac.ir/~shariatf>

## **FARID SHARIATMADARI**

Professor in Poultry Nutrition

[shariatf@modares.ac.ir](mailto:shariatf@modares.ac.ir)

[Shariat\\_madari@yahoo.com](mailto:Shariat_madari@yahoo.com)



**Department of Poultry Science, Tarbiat Modaress University**

P.O. Box. 14155-336 Tehran, Islamic Republic of Iran

Tel : ++98 21 48292372 Fax : ++98 21 48292200

ORCID : 0000-0003-1639-6030

Scopus Author : ID 22939237900

ResearcherID : Q-3164-2018

### **EDUCATIONAL RECORDS:**

#### **Degree Institution Field Date**

B.Sc. Cardiff University (UK) Food Science 1980

M.Sc. Glasgow University (UK) Poultry Science 1988

Ph.D. Leeds University (UK) Poultry Nutrition 1992

#### **Membership of Scientific Societies:**

World's Poultry Science Association

#### **Published Books (in Farsi):**

Saharim M.A and Shariatmadari. F 2002 (1381). Anti-Nutrient Components Associated with Animal Feed. Andishmand Pub. Tehtan. I. R. Iran.

Shariatmadari. F. and M. Mohiti. 2007. (1386). Animal Feed Additives. Andishmand Pub. Tehtan. I. R. Iran.

## Research Interest

Poultry nutrition requirement

Poultry production management

Poultry feed manufacturing technology

## Research Publications:

### Review Articles:

**Shariatmadari, F.**, R. Shariatmadari. 2020. Sumac supplementation in poultry diet. World's Poultry Science Journal. 76:1-7.

**Shariatmadari, F.** 2012. Plans of feeding for broiler chickens. World's Poultry Science Journal. 68:21-30.

**Shariatmadari, F.** 2009. Feeding schedules for broiler chickens. World's Poultry Science Journal. 65:393-401.

**Shariatmadari, F.** 2007 The application of zeolites in poultry production. A review. World's Poultry Science Journal. 73:83-91

**Shariatmadari, F.** 2000. Poultry Industry and Production in Iran. World's Poultry Science Journal. 56:55-66

Forbes, J.M. and **Shariatmadari, F.** 1994. Diet selection for protein by poultry. World's Poultry Science Journal. 50: 7-34.

### Scientific Articles (International Journals):

Olfati A , **F. Shariatmadari**, M.A. Karimi Torshizi, H. Ahmadi M. Sharafi , M.R. Bedford 2021. Effects of gelatin as an alternative protein source and mono-component protease supplementation on growth performance, viscosity, digestibility and microbial population of ileal digesta, digestive tract traits and gut morphology of broiler Livestock Science. 244:45-54

Olfati A , **F. Shariatmadari**, M.A. Karimi Torshizi, H. Ahmadi M. Sharafi , M.R. Bedford 2021. Effects of partial replacement of soybean meal in broiler diets with gelatin and mono-component protease on growth performance, carcass and blood biochemical characteristics, lipid oxidation of meat, and economics Animal Production Science, 2021, 61, 146–155 <https://doi.org/10.1071/AN20169>

Abbas Abdullah Baiz, Hamed Ahmadi, **Farid Shariatmadari** and Mohammad Amir Karimi Torshizi. 2020 A Gaussian process regression model to predict energy contents of corn for poultry. 2020 Poultry Science 99:5838–5843 <https://doi.org/10.1016/j.psj.2020.07.044>

Lotfi, M, **F. Shariatmadari**<sup>1</sup>, H. Ahmadi , and M. Sharafi. 2020. Estimation and Prediction of Metabolizable Energy Contents of Wheat Bran for Poultry. J. Agr. Sci. Tech. 22(4): 965-976

KamranAzad, S, **F, Shariatmadari**, M.A, Karimi Torshizi, C. Chiba. 2018. Comparative Effect of Zinc Concentration and Sources on Growth Performance, Accumulation in Tissues, Tibia Status, Mineral Excretion and Immunity of Broiler Chickens. Brazilian Journal of Poultry Science. 22:001-010  
<http://dx.doi.org/10.1590/1806-9061-2019-1245>

Teymouri zadeh, **Farid Shariatmadari**, Mohsen Sharafi, and Mohammad Amir Karimi Torshizi 2020. Amelioration effects of n-3, n-6 sources of fatty acids and rosemary leaves powder on the semen parameters, reproductive hormones, and fatty acid analysis of sperm in aged Ross broiler breeder roosters. Poultry Science. 99:708-718

Zamani. Akbar, **Farid Shariatmadari**, Shaban Rahimi, Mohammad Amir Karimi Torshizi. 2019. Effects of in ovo injection of carbohydrates,  $\beta$ -hydroxy- $\beta$ -methylbutyrate, and vitamins on ostrich organ weight, bone characteristics, and small intestinal morphology. Canadian Journal of Animal Science, 99:116-122. doi.org/10.1139/cjas-2017-0167

Zanussi HP, **Shariatmadari F**, Sharafi M, Ahmadi H. 2019. Dietary supplementation with flaxseed oil as source of Omega-3 fatty acids improves seminal quality and reproductive performance in aged broiler breeder roosters. Theriogenology. 130:41-48. DOI: 10.1016/j.theriogenology.2019.02.030.

Hassan Shirzadi, **Farid Shariatmadari**, Mohammad Amir Karimi Torshizi, Shaban Rahimi, Ali Akbar Masoudi, Gholamreza Zaboli and Nemat Hedayat-Evrigh. 2019. Plant extract supplementation as a strategy for substituting dietary antibiotics in broiler chickens exposed to low ambient temperature. Archives of Animal Nutrition.

Zaboli. Golam reza, Shaban Rahimi, **Farid Shariatmadari**, Mohammad Amir Karimi Torshizi, Ali Baghbanzadeh, and Mehran Mehri. 2017. Thermal manipulation during Pre and Post-Hatch on thermotolerance of male broiler chickens exposed to chronic heat. Poultry Science 96:478–485

Safari Asl R, **Farid Shariatmadari**, Sharafi M, Karimi Torshizi MA, Shahverdi A. 2018. Dietary fish oil supplemented with vitamin E improves quality indicators of

rooster cold-stored semen through reducing lipid peroxidation. *Cryobiology*. 84:15-19. doi: 10.1016/j.cryobiol. 2018.08.008.

Safari-Asl Reza, **Farid Shariatmadari**, Mohsen Sharafi, Mohammad Amir Karimi-Torshizi. 2018. Improvements in semen quality, sperm fatty acids, and reproductive performance in aged Ross breeder roosters fed a diet supplemented with a moderate ratio of n-3: n-6 fatty acids *Poultry Science* 97:4113–4121. <http://dx.doi.org/10.3382/ps/pey27>

Abedini Mehdi, **Farid Shariatmadari**, Mohammad Amir Karimi-Torshizi, Hamed Ahmadi. 2018. Effects of Zinc Oxide Nanoparticles on Performance, Egg Quality, Tissue Zinc Content, Bone Parameters, and Antioxidative Status in Laying Hens. *Biol Trace Elem Res*. 184:259–267. <https://doi.org/10.1007/s12011-017-1180-2>

Abedini Mehdi, **Farid Shariatmadari**, M. A. Karimi Torshizi, H. Ahmadi. 2018. Effects of zinc oxide nanoparticles on the egg quality, immune response, zinc retention, and blood parameters of laying hens in the late phase of production. *Animal Physiology Animal Nutrition*. 102:736–745. DOI: 10.1111/jpn.12871

Hemati-Matin H.M, **Farid Shariatmadari**, M.A. Karimi-Torshizi and L.I. Chiba. 2018. Effect of dietary fibre sources on in vitro mineral binding capacity and growth performance, mineral digestibility, tibia and intestinal characteristics in broiler chickens *Europ.Poult.Sci.*,

Zaboli. Golam Reza, Shaban Rahimi, **Farid Shariatmadari**, Mohammad Amir Karimi Torshizi, Ali Baghbanzadeh, and Mehran Mehri. 2017. Thermal manipulation during Pre and Post-Hatch on thermotolerance of male broiler chickens exposed to chronic heat *Poultry Science* 96:478–485. [dx.doi.org/10.3382/ps/pew344](http://dx.doi.org/10.3382/ps/pew344)

M. Abedini, **F. Shariatmadari**, M.A. Karimi Torshizi, H. Ahmadi. 2017. Effects of a dietary supplementation with zinc oxide nanoparticles, compared to zinc oxide and zinc methionine, on performance, egg quality and zinc status of laying hens. *Livestock Science*.

Kamran Azad, Somayeh, **Farid Shariatmadari**, M. A. Karimi Torshizi and Hamed Ahmadi. 2017. Effect of zinc concentration and source on performance, tissue mineral status, activity of superoxide dismutase enzyme and lipid peroxidation of meat in broiler chickens. *Animal Production Science*. <http://dx.doi.org/10.1071/AN15758>.

Abedini M, **Farid Shariatmadari**, Torshizi MAK, Ahmadi H. Effects of Zinc Oxide Nanoparticles on Performance, Egg Quality, Tissue Zinc Content, Bone Parameters, and Antioxidative Status in Laying Hens. *Biol Trace Elem Res*. 2017 Oct 18.

H.R. Hemati Matin, Farid Shariatmadari, M.A. Karimi Torshizi & L.I. Chiba . 2016. In vitro bile acid-binding capacity of dietary fibre sources and their effects with bile acid on broiler chicken performance and lipid digestibility. *British Poultry Science*. 53:3. 348-357.

M. Ghalkhanbaz, **Farid Shariatmadari** & M. A. Karimi Torshizi 2016. Effects of different levels of trace minerals premix in finisher diets on performance, immune system and meat lipid oxidation of chicken fed barley- or wheat-based diet. *Journal of Applied Animal Research*. 1-9. 10.1080/09712119.2016.1260569.

Moein Ghanaatparast-Rashti, **Farid Shariatmadari**, Mohamad Amir Karimi-Torshizi & Maziar Mohiti-Asli. 2016. Effects of dietary propionic acid, sodium citrate, and phytase on growth performance, mineral digestibility, and tibia properties in broilers *Journal of Applied Animal Research*

Gharaghani H, **Farid Shariatmadari** and Torshizi MA 2015. Effect of fennel (*Foeniculum Vulgare* Mill.) used as a feed additive on the egg quality of laying hens under heat stress. *Brazilian Journal of Poultry Science*. 17: 199-208

Ezadi E, **Farid Shariatmadari**, Karimi Torshizi MA, Hemati Matin HR. 2015. Broiler chickens performances in response to various row and autoclaved rice bran. *Bulgarian Journal of Veterinary Medicine*

Ebrahimia H, **Farid Shariatmadaria** and Karimi Torshizia MA. 2015. Dietary supplementation and in ovo injection of  $1\alpha$ -OHD3 in a low-calcium and low-phosphorous diets for broilers. *Journal of Applied Animal Research*, 113-117

Ghanaatparast-Rashti M, **Farid Shariatmadari**, Mohamad Amir Karimi Torshizi and Maziar Mohiti Asli. 2015. Effects of dietary propionic acid, sodium citrate, and phytase on growth performance, mineral digestibility, and tibia properties in broilers. *Journal of Applied Animal Research*. 44: 370–375

Kamran Azad S, **Shariatmadari F**, Karimi Torshizi MA 2014. Production of zinc-enriched biomass of *Saccharomyces cerevisiae*. *Journal of Elementology* 313–326.

Gharaghani H, **Shariatmadari F** and M.A. Karimi Torshizi. 2013. Comparison of oxidative quality of meat of chickens fed corn or wheat based diets with fennel (*Foeniculum vulgare* mil.), antibiotic and probiotic as feed additive, under different storage conditions. *Arch.Geflügelk*, 77 (3). 99–205, 2013.

Valipour A, Rodrigo OA, Ozorio **F, Shariatmadari**. F, Abedian d,A., Seyfabadi, J and Zahmatkesh. A. 2013. Effects of Dietary Lipid Levels on Growth, Survival, and Molting of Yearling Narrow Clawed Crayfish, *Astacus leptodactylus*. *Journal of Applied Aquaculture*. 24:316–325.

Hemati Matin H.M, **Shariatmadari F** and MA Karimi Torshizi. 2013. Various Physico-chemical Properties of Dietary Fiber Sources of Poultry Diets. *International Journal of Agriculture and Crop Sciences*. 18: 1239-1245.

Hemati Matin, H.M., **Shariatmadari F**.and M. A. Karimi Torshizi. 2013. In Vitro Mineral-Binding Capacity of Various Fibre Sources: The Monogastric Sequential Simulated Physiological Conditions. *Advanced Studies in Biology*, Vol. 5: 235 – 249.

Bagherzadeh K, Karimi Torshizi, M. A. Allameh, A. A. and **Shariatmadari, F**. 2012. Aflatoxin detoxification potential of lactic acid bacteria isolated from Iranian poultry *Iranian Journal of Veterinary Research, Shiraz University*, 13:2:39: 152-156.

Valipouri, A.R., Ozorio, R., **Shariatmadari. F.**, Abediny. A.M. Saifabadi, J. and A. Zahmatkesh. 2012. Effects of Dietary Lipid Levels on Growth, Survival, and Molting of Yearling Narrow Clawed Crayfish, *Astacus leptodactylus* *Iranian Journal of Veterinary Research, Shiraz University*, Vol. 13: 152-165.

Bagherzadeh Kasmani , M. A. Karimi Torshizi ,1 A. Allameh , and **Shariatmadari F**. 2012. A novel aflatoxin-binding *Bacillus* probiotic: Performance, serum biochemistry, and immunological parameters in Japanese quail. *Poultry Science* 91:1846–1853

Sharifi, S.D., **Shariatmadari. F**. and Yaghobfar. A. 2012. Effect of inclusion of hull less barley and enzyme supplementation of broiler diets on growth performance, nutrient digestion. *Journal of Central European Agriculture*. 13(1), 193-207.

Valipour. A. **Shariatmadari, F.**, A. Abedian. 2011. Growth, molting and survival responses of Juvenile narrow claws vrayfish, fed two sources of dietary oils. *Iranian Journal of Fishery Science*.10(3): 505-518.

Mohiti Asli. M., **Shariatmadari, F** and H Lotfollahian.. 2010. Influence of vitamin E and selenium dietary supplementation on performance, egg quality and immune response of laying hen exposed to high environmental temperature. Arch Geflugelk. 73”43-50.

Mohiti Asli, M., Shariatmadari, F and Lotfollahian. H 2008. Effects of supplementing Layer hen diets with selenium and vitamin E on egg quality, lipid oxidation and fatty acids Composition during Storage. Canadian Journal of Animal Science. 88:475-484.

Mohiti Asli. M Lotfollahian. H and **Shariatmadari, F**. 2007. Effect of probiotics, yeast, vitamin E and vitamin C supplements on performance and immune response of laying hen during high Environmental temperature. International Journal of Poultry Science. 6L12. 895-900.

Sahraie. M and **Sharatmadari, F**. 2007. Effect of different levels of dilution during finishing period on broiler chicken performances. International Journal of Poultry Science. 280-288.

Parsaie, S. **Sharatmadari, F.**, M.J. Zamiri and K. Khajeh 2007. Influence of wheat-based diets supplemented with xylanase, bile acid and antibiotics on the performance, digestive tract measurements and gut morphology of broilers compared with a corn-based diet. British Poultry Science. 542-549.

### **Courses Taught. Levels**

1- Poultry Nutrition MSc

2- Research Methodology MSc

3- Bioenergetic and Protein in Poultry Nutrition Ph.D