



Curriculum Vitae



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Personal Information

Name: Mohammad Amir Karimi Torshizi

Nationality: Iranian

Affiliation: Associate Professor, Tarbiat Modares University, Tehran, Iran

Contact Address:

P.O. Box: 14115-336. Jalale Ale Ahmad Express Way.
Opposite to the Nasr Bridge. Tarbiat Modares University, Tehran,
I.R. Iran.

Emails:

- karimitm@modares.ac.ir
- karimitm@yahoo.com

Telephones:

- Office: 0098(21) 48292356,
- Fax: 0098(21) 48292200
- Mobile: 0098(912) 5994461

Scopus database: H.Index: 9, Documents: 56

Academic Qualification

- 1- PhD. Animal Nutrition. 2005. Tarbiat Modares University. Tehran, Iran.
- 2- MSc. Poultry Production and Management. 1998. Tarbiat Modares University. Tehran, Iran.
- 3- BSc. Animal Science. 1996. Ferdowsi University. Mashhad, Iran.

Background and Research Interests

Poultry Nutrition:

Poultry Feed Additives
Use of Agricultural Byproducts in Poultry Nutrition
Control of Mycotoxins in Poultry Feeds
Adding Value to Poultry Products

Courses

- 1- Advanced Biostatistics
- 2- Application of Biotechnology in Animal and Poultry Sciences
- 3- Introduction to Laboratory Equipments
- 4- Research Techniques and Methods in Poultry Nutrition

Research Project

1. Karimi Torshizi, M. A. and Rahimi, S. (2009). Evaluation of different methods of probiotic administration.
2. Karimi Torshizi, M. A., Mahmood Tabar, A., Sharafi, M., and Mojangi, N. (2018). Effect of probiotics and prebiotics (Iranian made) on intestinal health and growth performances of broiler chickens.
3. Karimi Torshizi, M. A. and Rasouli Hiq, A. A. (2019). Screening of degrading petroleum-based compounds bacteria as mycotoxin reducing probiotics.
4. Karimi Torshizi, M. A. (2019). Production of protein supplement by feather meal and corn steep liqure.

Publications

- 1- **Arak, H., Karimi Torshizi, M. A., Hedayati, M., Rahimi, S.** (2019). The first in vivo application of a synthetic polymer based on methacrylic acid as an aflatoxin sorbent in an animal model. *Mycotoxin Research*. 10.1007/s12550-019-00353-z.
- 2- **Khanian, M., Karimi Torshizi, M.A. and Allameh, A.** (2019). Alleviation of aflatoxin-related oxidative damage to liver and improvement of growth performance in broiler chickens consumed *Lactobacillus plantarum* 299v for entire growth period. *Toxicon*, **158**: 57–62.
- 3- **Mohammadi Ghasem Abadi, M. H., Moravej, H., Shivazad, M., Karimi Torshizi, M.A. and Kim, W.K.** (2019). Effects of feed form and particle size, and pellet binder on performance, digestive tract parameters, intestinal morphology, and cecal microflora populations in broilers. *Poultry Science*, **98**(3):1432-1440. <https://doi.org/10.3382/ps/pey488>.
- 4- **Naghizadeh, M., Karimi Torshizi, M.A., Rahimi, S. and Dellagard, T.** (2019). Synergistic effect of phage therapy using a cocktail rather than a single phage in the control of severe colibacillosis in quails. *Poultry Science*. **98**(2):653-663. <https://doi.org/10.3382/ps/pey414>.

- 5- **Nakhaei, A., Afzali, N., Hosseini Vashan, S.J. and Karimi Torshizi, M.A.** (2018). Protective effect of egg yolk immunoglobulin (IgY) against aflatoxin on blood parameters, ileum morphometry and hepatocytes' histopathology of broiler chickens fed aflatoxin B1. *Iranian Journal of Medical Microbiology*. **12**(3): 199-207. (In persian)
- 6- **Mahmoodtabar, A., Karimi Torshizi, M. A., Sharafi, M. and Mojjani, N.** (2018). The effect of some poultry probiotics produced in Iran on performance parameters, economic indices and small intestinal morphology of broilers. *Iranian Journal of Animal Science*. **49**(3): 415-425. [https://doi: 10.22059/ijas.2018.249544.653602](https://doi.org/10.22059/ijas.2018.249544.653602). (In persian)
- 7- **Rezaei, M., Karimi Torshizi, M.A., Wall, H. and Ivarsson, E.** (2018). Body growth, intestinal morphology and microflora of quail on diets supplemented with micronised wheat fibre. *British Poultry Science*, **59**(4): 422-429. DOI:10.1080/00071668.2018.1460461.
- 8- **Bagherzadeh Kasmani, F., Karimi Torshizi, M. A., Mehri, M.** (2018). Effect of *Brevibacillus laterosporus* probiotic on hematology, internal organs, meat peroxidation and ileal microflora in japanese quails fed aflatoxin B1. *Journal of Agricultural Science and Technology*. **20**(3):459-468.
- 9- **Mahmoodtabar, A., Karimi Torshizi, M. A., Sharafi, M. and Mojjani, N.** (2017). Comparing the effects of antibiotic growth promoter, some Iranian probiotics and similar imported products on performance, economic indicators and small intestinal morphology of broilers. *Iranian Journal of Animal Science*. **48**(3): 321-334. [https://doi: 10.22059/ijas.2017.236971.653541](https://doi.org/10.22059/ijas.2017.236971.653541). (In persian)
- 10- **Kamely, M., Karimi Torshizi, M. A., Wideman, R. F. and West, J.** (2017). Upregulation of SERT and ADORA1 in broilers with acute right ventricular failure. *Research in Veterinary Science*. **95**: 2673–2678.
- 11- **Seifi, K., Karimi Torshizi, M.A. and Deldar, H.** (2018). Probiotics intake from proximal or distal gastrointestinal tract: The investigation on intestinal morphology and performance of Japanese quail. *Journal of Animal Physiology and Animal Nutrition*. 102:e509–e512. <https://doi.org/10.1111/jpn.12781>.
- 12- **Abedini, M., Shariatmadari, F., Karimi Torshizi, M.A. and Ahmadi, H.** (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*. **203**: 30–36.
- 13- **Seifi, K., Karimi Torshizi, M.A., Abbasi, S. and Kazemifard, M.** (2016). Effects of microwave-treated drinking water on growth and some physiological characteristics of Japanese quail (*Coturnix coturnix japonica*). *Iranian Journal of Applied Animal Science*. 6(2): 447-451. June.
- 14- **Zaboli, G.R., Rahimi, S., Shariatmadari, F., Karimi Torshizi, M.A., Baghbanzadeh, A. and Mehri, M.** (2017). Thermal manipulation during Pre and Post-Hatch on thermotolerance of male broiler chickens exposed to chronic heat stress. *Poultry Science*. 96:478–485.
- 15- **Bahadori, Z., Esmaelzadeh, L., Karimi-Torshizi, M.A., Seidavi, A., Olivares, J., Rojas, S., Salem, A. Z. M., Khusro, A. and Lopez, S.** (2017). The effect of earthworm (*Eisenia foetida*) meal with vermi-humus on growth performance, hematology, immunity, intestinal microbiota, carcass characteristics, and meat quality of broiler chickens. *Livestock Science*. 202: 74–81.
- 16- **Khosravi, A., Boldaji, F., Dastar, B. and Karimi Torshizi, M.A.** (2017). Symbiosis between *Enterococcus faecium* DSM 3530 and fructan compounds of different degree of polymerization: a preliminary in vitro assay in a condition

- simulated chicken caecum. *Journal of Agricultural Science and Technology*. 19: 603-611.
- 17- **Seifi, K., Karimi Torshizi, M. A., Rahimi, S. and Kazemifard, M.** (2017). Efficiency of early, single-dose probiotic administration methods on performance, small intestinal morphology, blood biochemistry, and immune response of Japanese quail. *Poultry Science*. 96(7):2151-2158. <https://doi.org/10.3382/ps/pew446>.
 - 18- **Sedaghat, A., Karimi Torshizi, M. A.** (2017). Immune responses, intestinal microbiota, performance, and blood characteristics of Japanese quail fed on diets containing camphor (*Cinnamomum camphora*). *Animal*. 11(12): 2139-2146. doi:10.1017/S1751731117001148.
 - 19- **Seifi, K., Karimi Torshizi, M.A., Abbasi, S. and Kazemifard, M.** (2016). Effects of microwave-treated drinking water on growth and some physiological characteristics of Japanese quail (*Coturnix coturnix japonica*). *Iranian Journal of Applied Animal Science*. 6(2): 447-451. June.
 - 20- **Sedaghat, A., Karimi Torshizi, M. A.** (2017). Immune responses, intestinal microbiota, performance, and blood characteristics of Japanese quail fed on diets containing camphor (*Cinnamomum camphora*). *Animal*. 11(12): 2139-2146. doi:10.1017/S1751731117001148.
 - 21- **Seifi, K., Karimi Torshizi, M. A., Rahimi, S. and Kazemifard, M.** (2017). Efficiency of early, single-dose probiotic administration methods on performance, small intestinal morphology, blood biochemistry, and immune response of Japanese quail. *Poultry Science*. 96(7):2151-2158. <https://doi.org/10.3382/ps/pew446>
 - 22- **Rajani, J., Dastar, B., Samadi, F., Karimi Torshizi, M. A., Abdulkhani, A. and Esfandyarpour, S.** (2016). Effect of extracted galactoglucomannan oligosaccharides from pine wood (*Pinus brutia*) on *Salmonella typhimurium* colonisation, growth performance and intestinal morphology in broiler chicks. *British Poultry Science*, 57(5): 682–692. <http://dx.doi.org/10.1080/00071668.2016.1200013>.
 - 23- **Sedaghat, A., M., Karimi Torshizi, M. A. and Rahimi, S.** (2016). Auxiliary effects of camphor on reproductive function of Japanese quail. *Poultry Science*. 95: 2946–2955.
 - 24- **Ahmadi, M., Karimi Torshizi, M.A., Rahimi, Sh. and Dennehy, J.J.** (2016). Prophylactic bacteriophage administration more effective than post-infection administration in reducing *Salmonella enterica* serovar *enteritidis* shedding in quail. *Frontiers in Microbiology*. 7: 1-10. August. Article 1253.
 - 25- **Kamely, M., Karimi Torshizi, M. A. and Rahimi, S.** (2016). Blood biochemistry, thyroid hormones, and performance in broilers with ascites caused by caffeine. *Poultry Science*. 95: 2673–2678.
 - 26- **Kamely, M., Karimi Torshizi, M. A., Rahimi, S. and Wideman, R. F.** (2016). Caffeine causes pulmonary hypertension syndrome (ascites) in broilers. *Journal of Animal Science*. 94: 2247–2256. Doi:10.2527/jas2015-0152.
 - 27- **Ghasemi, H.A., Shivazad, M., Mirzapour Rezaei, S.S. and Karimi Torshizi, M.A.** (2016). Effect of symbiotic supplementation and dietary fat sources on broiler performance, serum lipids, muscle fatty acid profile and meat quality. *British Poultry Science*. 57(1): 71-83. <http://dx.doi.org/10.1080/00071668.2015.1098766>
 - 28- **Kamely, M., Karimi Torshizi, M.A. and Khosravinia, H.** (2016). Omega-3 enrichment of quail eggs: age, fish oil, and savory essential oil. *Journal of Agricultural Science and Technology*. 18(2): 347-359.

- 29- **Kamely, M., Karimi Torshizi, M. A. and Rahimi, S.** (2015). Incidence of ascites syndrome and related hematological response in short-term feed-restricted broilers raised at low ambient temperature. *Poultry Science*. **94**: 2247–2256.
- 30- **Ebrahimi, H., Shariatmadari, F. and Karimi Torshizi, M.A.** (2015). Dietary supplementation and in ovo injection of 1α -OHD3 in a low-calcium and low-phosphorous diets for broilers. *Journal of Applied Animal Research*. DOI:10.1080/09712119.2015.1021803.
- 31- **Hashemzadeh, F., Rahimi, S., Karimi Torshizi, M. A., Masoudi, A. A.** (2015). Usage of green fluorescent protein for tracing probiotic bacteria in alimentary tract and efficacy evaluation of different probiotic administration methods in broilers. *Journal of Agricultural Science and Technology*. **17**:345-356.
- 32- **Omidi, M., Rahimi, Sh. And Karimi Torshizi, M.A.** (2015). Modification of egg yolk fatty acids profile by using different oil sources. *Veterinary Research Forum*. **6**(2):137-141.
- 33- **Varmaghany, S., Karimi Torshizi, M. A., Rahimi, S., Lotfollahian, H. and Hassanzadeh, M.** (2013). The effects of increasing levels of dietary garlic bulb on growth performance, systolic blood pressure, hematology, and ascites syndrome in broiler chickens. *Poultry Science*. **94**: 1812–1820.
- 34- **Abdanan Mehdizadeh, S., Sandell, G., Golpour, A., Karimi Torshizi, M. A.** (2014). Early determination of pharaoh quail sex after hatching using machine vision. *Bulletin of Environment, Pharmacology and Life Sciences*. **3**(8):5-11.
- 35- **Abdanan, S., Minaei, S., Karimi Torshizi, M.A. and Mohajerani, E.** (2015). Effect of UV irradiation, sample thickness and storage temperature on storability, bacterial activity and functional properties of liquid egg. *Journal of Food Technology*. **52**(7): 4414–4422.
- 36- **Varmaghany, S., Rahimi, S., Karimi Torshizi, M. A., Lotfollahian, H. and Hassanzadeh, M.** (2013). Effect of olive leaves on ascites incidence, hematological parameters and growth performance in broilers reared under standard and cold temperature conditions. *Animal Feed Science and Technology*. **185**: 60–69.
- 37- **Azizian, M., Rahimi, S., Kamali, M. A., Karimi Torshizi, M.A., Zobdeh, M. R.** (2013). Comparison of the susceptibility of six male broiler hybrids to ascites by using hematological and physiological parameters. *Journal of Agricultural Science and Technology*, **15**: 517-525.
- 38- **Hemati Matin, H. R., Shariatmadari, F. and Karimi Torshizi, M. A.** (2013). *In vitro* mineral-binding capacity of various fibre sources: The monogastic sequential simulated physiological conditions. *Advanced Studies in Biology*. **5**(5):235-249.
- 39- **Iranmanesh, M., Ezzatpanah, H., Mojangi, N., Karimi Torshizi, M.A., Aminafshar, M., Maohamadi, M.** (2012). Isolation of lactic acid bacteria from ewe milk, traditional yoghurt and sour buttermilk in Iran. *European Journal of Food Research & Review*. **2**(3): 79-92.
- 40- **Esmailzadeh, L., Shivazad, M., Sadeghi, A. A., Karimi Torshizi, M. A.** (2012). The effects of egg powder application in pre-starter diet on serum metabolites of male broiler chickens. *Annals of Biological Research*, **3**(8):3818-3824.
- 41- **Bagherzadeh Kasmani, F., Karimi Torshizi, M. A., Allameh, A. and Shariatmadari, F.** (2012). A novel aflatoxin-binding *Bacillus* probiotic: Performance, serum biochemistry, and immunological parameters in Japanese quail. *Poultry Science*. **91**:1846-1853.
- 42- **Rajani, J., Karimi Torshizi, M.A. and Rahimi, Sh.** (2011). Control of ascites mortality and improved performance and meat shelf-life in broilers using

- feed adjuncts with presumed antioxidant activity. *Animal Feed Science and Technology*. 170:239-245.
- 43- **Rezaei, M., Karimi Torshizi, M.A. and Rouzbehan, Y.** (2011). The influence of different levels of micronized insoluble fiber on broiler performance and litter moisture. *Poultry Science*. **90**:2008-2012.
- 44- **Rahimi, Sh., Kamran Azad, S. and Karimi Torshizi, M. A.** (2011). Omega-3 enrichment of broiler meat by using two oil seeds. *Journal of Agricultural Science and Technology*, **13**: 353-365.
- 45- **Khaleghi Miran, S. N., Karimi Torshizi, M. A., Bassami, M. R. and Jandaghi, H.** (2010). Effect of three immunostimulants on some of indicators of broilers' immune response. *The Journal of Poultry Science*. **47(4)**: 321-325.
- 46- **Mojgani, N. Ameli, M., Vaseji, N. Hejazi, M. A., Karimi Torshizi, M. A. and Amirinia, C.** (2010). Growth control of *Listeria monocytogenes* in experimental cheese samples by *Lactobacillus casei* RN 78 and its bacteriocin. *African Journal of Microbiology Research*. **4 (11)**:1044-1050.
- 47- **Ghasemi, H.A., Shivazad, M., Esmaeilnia, K., Kohram, H. and Karimi, M.A.** (2010). The effects of a symbiotic containing *Enterococcus faecium* and inulin on growth performance and resistance to coccidiosis in broiler chickens. *The Journal of Poultry Science*. **47**:149-155.
- 48- **Karimi Torshizi, M. A., Moghaddam, A. R., Rahimi, Sh., Mojgani, N.** (2010). Assessing the effect of administering probiotics in water or as a feed supplement on broiler performance and immune response. *British Poultry Science*. **51(2)**:178-184.
- 49- **Hashemzadeh, Z., Karimi Torshizi, M. A., Rahimi, Sh., Razban, V. and Zahraei Salehi, T.** (2010). Prevention of *Salmonella* colonization in neonatal broiler chicks by using different routes of probiotic administration in hatchery evaluated by culture and PCR techniques. *Journal of Agricultural Science and Technology*. **12**:425-432.
- 50- **Hashemzadeh, Z., Karimi Torshizi, M. A. and Rahimi, Sh.** (2009). Effect of different routes of *Lactobacillus rhamnosus* administration in hatchery on performance, intestine morphology, and serum cholesterol in experimentally *Salmonella* infected broiler chickens. *Veterinary Journal (Pajouhesh & Sazandegi)*. **22(3)**: 62-70.
- 51- **Kamran Azad, S., Rahimi, Sh. And Karimi Torshizi, M. A.** (2009). Effect of dietary oil seeds on n-3 fatty acid enrichment, performance parameters and humoral immune response of broiler chickens. *Iranian Journal of Veterinary Research*, **10(2)**: 158-165.
- 52- **Kheirkhah, A. R., Rahimi, Sh., Karimi Torshizi, M. A. and Malekmohamadi, H.** (2009). Effect of different levels of l-carnitine supplementation in broiler breeders and their progeny diets on performance, blood related factors, carcass characteristics and immune response of broilers. *International Journal of Veterinary Research*. **64(4)**:283-289.
- 53- **Moghaddam, A. R., Karimi Torshizi, M. A., Rahimi, Sh.** (2009). Effect of hatchery probiotic administration methods on performance, and immune response in broilers. *Journal of Veterinary Research*. **65(2)**:91-96.
- 54- **Mojgani, N., Sabiri, G., Ashtiani, M.P. and Karimi Torshizi, M.A.** (2009). Characterization of bacteriocins produced by *Lactobacillus brevis* NM 24 and *L. fermentum* NM 332 isolated from green olives in Iran. *The Internet Journal of Microbiology*. **6(2)**.
- 55- **Pourhasan, H., Rahimi, Sh., Karimi Torshizi, M. A. and Zahraei Salehi, T.** (2009). Effect of organic acids on intestinal microflora and morphology of broiler chickens. *Journal of Veterinary Research*. **63(5)**: 283-290.

- 56- **Siahpour, S., Karimi Torshizi, M. A., Shariatmadari, F. and Niknafs, F.** (2009). Effect of vitamin and mineral premixes withdrawal time on growth and economic performance of broiler chickens. *Journal of Veterinary Research*. 65(1):13-18.
- 57- **Teymouri Zadeh, Z., Rahimi, Sh., Karimi Torshizi, M. A. and Omidbaigi, R.** (2009). A comparison between the effect of thyme, coneflower, garlic extracts and virginiamycin antibiotic on lipids serum, hematocrit percentage and hemoglobin concentration in broilers. *Journal of Medicinal Plants*, 25(1):39-48.
- 58- **Teymouri Zadeh, Z., Rahimi, Sh., Karimi Torshizi, M. A. and Omidbaigi, R.** (2009). The effects of *Thymus vulgaris* L., *Echinacea purpurea* (L.) Moench., *Allium sativum* L. extracts and virginiamycin antibiotic on intestinal microflora population and immune system in broilers. *Iranian Journal of Medical and Aromatic Plants*, 25(1):39-48.
- 59- **Karimi Torshizi, M. A., Rahimi, Sh., Mojjani, N., Esmaeilkhanian, S. and Grimes, J. L.** (2008). Screening of indigenous strains of lactic acid bacteria for development of a probiotic for poultry. *Asian Australasian Journal of Animal Science*. 21(10):1495-1500.
- 60- **Sarfaraz, A., Azizi, M. H., Hamidi Esfahani, Z., Karimi Torshizi, M. A. And Zafari, A.** (2008). Interaction between lactic acid bacteria and baker's yeast in liquid sourdough fermentation. *Iranian Journal of Nutrition Sciences & Food Technology*. 3(2):73-80.
- 61- **Golzar Adabi, Sh., Rahimi, Sh., Kamali, M. A. and Karimi Torshizi, M. A.** (2007). The effects of two dietary levels of L-carnitine and vegetable fat powder on the quality of cockerels' sperm and fertility and hatchability in broiler breeders. *Journal of Veterinary Research*. 62(3): 107-114.
- 62- **Mojgani, N., Karimi Torshizi, M. A. and Rahimi, Sh.** (2007). Screening of locally isolated lactic acid bacteria for use as probiotics in poultry in Iran. *The Journal of Poultry Science*, 44(4): 357-365.
- 63- **Meydani, N., Rahimi, Sh., Gharahdaghi, A. A. And Karimi Torshizi, M. A.** (2007). The effects of dietary n-3 and n-6 polyunsaturated fatty acids on fatty acid composition and fertility of chicken spermatozoa. *Journal of Faculty of Veterinary Medicine of University of Tehran*. 61(5): 49-53.
- 64- **Rahimi, Sh., Moghadam Shiraz, Z., Zahraei Salehi, T., Karimi Torshizi, M.A. and Grimes, J. L.** (2007). Prevention of Salmonella infection in poultry by specific egg-derived antibody. *International Journal of Poultry Science*, (4): 230-235.
- 65- **Rahimi, Sh., Salehifar, E., Ghorashi, S. A., Grimes, J. L. and Karimi Torshizi, M. A.** (2007). The effect of egg-derived antibody on prevention of avian influenza subtype H N in layer chicken. *International Journal of Poultry Science*, (3):207-210.
- 66- **Mojgani, N., Karimi Torshizi, M. A. and Molae, M.** (2006). Probiotic potential of avian intestinal lactic acid bacteria. *Online Journal of Veterinary Research*, 10(2):134-145.
- 67- **Rahimi, Sh., Esmaelzadeh, L., Karimi Torshizi, M. A.** (2005). Comparison of growth performance of six commercial broiler hybrids in Iran. *Iranian Journal of Veterinary Research*, 7(15):38-44.
- 68- **Karimi Torshizi, M.A., Rahimi, Sh., Mojjani, N. And Esmaeilkhanian, S.** (2004). Evaluation of antimicrobial potential of lactic acid bacteria isolated from chicken gastrointestinal tract. *Journal of Faculty of Veterinary Medicine of University of Tehran*. 59(1): 79-82.
- 69- **Mohit, A., Rahimi, Sh., Mirsalimi, S. M., Kamali, M. A. and Karimi Torshizi, M. A.** (2003). The effects of strain and nutrition on the growth of heart

and lungs of Arian broiler lines, with respect to ascites syndrome. Journal of Faculty of Veterinary Medicine of University of Tehran. **58**(2): 139- 143.

- 70- Rahimi, Sh., Mohit, A., Vaez, R., Hassanzadeh, M., Kamali, M. A. and Karimi Torshizi, M. A.** (2003). The effects of strain and nutrition on plasma level of T3, T4 and hematocrit values of Arian broiler lines, with respect to ascites syndrome. Pajouhesh & Sazandegi. **61**: 92- 98.
- 71- Karimi Torshizi, M.A., Rahimi, Sh. And Mirsalimi, S. M.** (2002). Effect of late phytase supplementation on broiler chickens. Journal of Faculty of Veterinary Medicine of University of Tehran. **57**(3): 75- 79.