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#### **ACADEMIC DEGREES:**

Sabbatical: University of California Davis and North Carolina State University, USA, (2006-2007)  
Short Term Scholar Program (Summer): North Carolina State University, USA, from 2009 until 2014)  
Ph.D: Michigan State University, USA 1989  
MSc.: Michigan State University, USA 1986  
DVM: University of Tehran, IRAN 1978

#### **PROFESSIONAL EXPERIENCES:**

- 1) Faculty member, Tarbiat Modares University (TMU), Tehran (Since, 1989).
- 2) Research Associate Dean, Faculty of Agriculture, Tarbiat Modares University, Tehran (1994-1997 and January 2010 until September 2014).
- 3) Department of Animal and Poultry Science Head (Since 1995-2012).
- 4) Research Scientist, Poultry Diseases Diagnosis and Research Division, Razi Vaccine and Serum Production Research Institute, Karaj, Iran (1980-1984).
- 5) Scientific consultant to the poultry industry (pure line, broiler breeder grand parent and parent) since 1980.
- 6) More than thirty years of experience in clinical practices of diagnosis and treatment of poultry diseases.

#### **MEMBERSHIP OF SCIENTIFIC SOCIETIES:**

- 1) American Association of Avian pathologists
- 2) American Poultry Science Association
- 3) World Poultry Science Association
- 4) World Veterinary Poultry Association
- 5) Iranian Veterinary Association
- 6) Iranian Veterinary Association Organization
- 7) Iranian Animal Science Association
- 8) Iranian Poultry Veterinary Association

#### **REFeree FOR JOURNAL ARTICLE SUBMITTED TO:**

- 1) Journal of Veterinary Research, University of Tehran.
- 2) Iranian Journal of Veterinary Medicine, University of Tehran
- 3) Iranian Journal of Veterinary Research, University of Shiraz
- 4) Archive Razi, Research Institute of Vaccine and Serum Production
- 5) Iranian Journal of Animal Science, University of Tehran

- 6) Journal of Animal Production, College of Aboureihan, University of Tehran
- 7) Iranian Journal of Animal Science Research, Ferdowsi University of Mashhad
- 8) Agriculture Science, Islamic Azad University
- 9) Pajouhesh Va Sazandegi, Ministry of Jihad Agriculture
- 10) Journal of Medicinal Plants, Iranian Institute of Medicinal Plants
- 11) Iranian Journal of Medicinal and Aromatic Plants, Research Institute of Forests and Rangelands
- 12) Member of Editorial board of Journal of Veterinary, Veterinary Association of I.R. of Iran

### RESEARCH INTERESTS:

- 1) Poultry Health and Management
- 2) Poultry Physiology and Immunology
- 3) Poultry Production and Management
- 4) Organic Poultry Production
- 5) Functional Food (Using antibiotic alternative feed additives in poultry nutrition such as: Probiotics, Prebiotics, Organic Acids, Medicinal Plants, Enzymes, Bacteriophages, IgY, etc.)
- 6) Enrichment of Poultry Meat and Egg with Omega-3 Fatty acids, vitamins and minerals

### RESEARCH PUBLICATIONS:

- 1) Noorani, M., **Rahimi, S.**, Shahverdi, AH., Sharafi, M. (2018). Cloning of human chorionic gonadotropin beta subunit for rooster sperm mediated gene transfer. Journal of Animal Production (Accepted).
- 2) Zaboli, GR., **Rahimi, S.**, Karimi Torshizi, M. A., Shariatmadari, F., Baghbanzadeh, A. (2018). Thermal manipulation during pre and post-Hatch influences intestinal microbiota and morphology, and long bone characteristics of male broiler. Veterinary Research Forum (accepted).
- 3) Feyzi, S., Sharafi, M., **Rahimi, S.** (2018). Stress preconditioning of rooster semen before cryopreservation improves fertility potential of thawed sperm. Poultry Science (accepted).
- 4) Hasanpour, S., **Rahimi, S.**, Fani Makki, O., Shahhossini, G., Khosravi, A. R. (2017). In vitro Assesment of gamma Rays, Electron-beam plus a toxine Binder (Milbond-TX) as a anti aflatoxin B1 in a Chicken Model. Persian Journal of Toxicology (accepted).
- 5) Hamidi, M., **Rahimi, S.**, Mojghani, N. (2018). The impact of probiotics, thyme and licorice on blood parameters, immune response, carcass characteristics and performance of broiler chickens. Iranian Journal of Medicinal and Aromatic Plants Vol. 34 No.1:
- 6) Ashori, A., **Rahimi, S.**, Karimi Torshizi, M.A., Taher, M., Behnamifar, A.R. (2018). Comparison the effect of two herbal extracts, propolis, antibiotic and coccidiostat on immune system, blood parameters and performance of broiler chickens challenged with *E. coli*. Journal of Animal Production (accepted).
- 7) Yakhkeshi, S., **Rahimi, S.**, Sharafi, M., Hassani, N., Taleahmad, S., Shahverdi, A. H., Baharvand, H. (2017). In Vitro Improvement of Quail Primordial Germ Cell Expansion through Activation of TGF-beta Signaling Pathway. Journal of Cellular Biochemistry (Accepted).
- 8) Soleimani, M. R., **Rahimi, S.**, Jabbari, A. R., Ahmadi gavlighi, H. (2018). Effect of Dietary inclusion of probiotic, prebiotic, antibiotic, organic acid with gum tragacanth on growth, immune responses, some blood biochemical parameters and gastrointestinal microflora of broilers challenged with *Clostridium perfringens*. Journal of Animal Physiology and Animal Nutrition. (Proof).
- 9) 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, Vol. 96: 2151-2158.
- 10) Mahdavian, AR., Minaei, S., Almasganj, F., **Rahimi, S.**, Yang, C., Marchetto, P. M., (2016). Potential application of sound processing techniques for poultry health monitoring. Elixir International Journal (In press).
- 11) Zaboli. GR., **Rahimi, S.**, Shariatmadari, F., Karimi Torshizi, M. A., Baghbanzadeh, A. (2017). Thermal Manipulation during Pre and Post-Hatch on Thermotolerance of Male Broiler Chickens Exposure to Chronic Heat Stress. Poultry Science, Vol.96 (2): 478-485.
- 12) Kamely, M. Karimi Torshizi, M.A., **Rahimi, S.** (2016). Blood Biochemistry, thyroid hormones, and performance in broilers with ascites caused by caffeine. Poultry Science. Vol. 95: 2673-2678.

- 13) Soleimani, M. R., **Rahimi, S.**, Hosseini, S. A. (2016). Effect of herbal extracts (chamomile and caraway) on performance, immune response and serum biochemical compounds of broilers. *Applied Animal Science Research Journal* No 17 pp; 55-62.
- 14) Ahmadi, M., Karimi Torshizi, M. A., **Rahimi, S.** and Dennehy, J. (2016). Prophylactic Bacteriophage Administration More Effective than Post-infection Administration in Reducing *Salmonella enteritica* serovar Enteritidis Shedding in Quail. *Frontiers in Microbiology*. Vol. 7: 1-10.
- 15) Arak, H., Karimi Torshizi, M.A., **Rahimi, S.** (2017). The effect of Savory (*Satureja khuzestanica*) essential oil and Polysorb toxin-binder on fertility, hatchability of Japanese quail breeder and performance of their progeny fed aflatoxin contaminated feed. *Journal of Animal Science (Pajohesh and Sazandeghi)*, Vol. 30-Issue 114: 285-294.
- 16) Sedaghat, A., Karimi Torshizi, M. A. and **Rahimi, S.** (2016). ). The effects of using different levels of camphor on performance and serum concentration of thyroid hormones and testosterone in Japanese quail. *Journal of Animal Products* Vol. 18, No 2 pp: 273-286.
- 17) Sedaghat, A., Karimi Torshizi, M. A. and **Rahimi S.** (2016). Auxiliary effects of camphor on reproductive function of Japanese quail. *Poultry Science*, Vol. 95, 2946-2955.
- 18) Ebrahimi, H., **Rahimi, S.**, Khaki, P., Grimes, J., Kathariou, S. (2016). The effect of probiotic, organic acid and medicinal plant on immune system and gastrointestinal microflora in broilers challenged with *Campylobacter jejuni*. *Journal of Veterinary and Animal Science*, Vol. 40: 329-336.
- 19) Chaab, K., **Rahimi, S.**, Khaki, P. (2016). The effect of herbal extract, organic acid and antibiotic on reducing colonization of *Campylobacter jejuni* in intestine of broiler chickens. *Iranian Journal of Medicinal and Aromatic Plants*. Vol. 35 (5) (In Press).
- 20) Hemati Matin, H. R., Shariatmadari, F., Karimi Torshizi, M. A., **Rahimi, S.** (2014). Effects of bile acid and cholesterol in diets contained fiber on intestinal morphology and broiler chicken performance. *Animal Science Journal (Pajouhesh & Sazandegi)* No 105 Pp: 203-216.
- 21) Shirzadi, H., Shariatmadari, F., Karimi Torshizi, M. A., **Rahimi, S.**, Masoudi, A. A. (2015). Evaluation of biological effects of polyphenolic *Prosopis farcta* and *Rhus coriaria* L. extracts on intestinal microbial population and ascites syndrome in broiler chickens. *Journal of Animal Products*, Vol. 17 (1): 151-160.
- 22) Ebrahimi, H., **Rahimi, S.**, Khaki, P. (2015). The effect of organic acid, probiotic and *Echinacea purpurea* usage on gastrointestinal microflora and immune system of broiler chickens. *Journal of Veterinary Research*, 70 (3): 293-299.
- 23) Varmaghany, S., KarimiTorshizi, M.A., **Rahimi, S.**, Lotfollahian, H., Hassanzadeh, M. (2015). The effects of increasing levels of dietary garlic bulb on growth performance, systolic blood pressure, hematology, and ascites syndrome in broiler chickens. *Poultry Science*, Vol. 94: 1812-1820.
- 24) Kamely, M. Karimi Torshizi, M.A., **Rahimi, S.** (2015). Incidence of ascites syndrome and related hematological response in short-term feed restricted broilers raised at low ambient temperature. *Poultry Science*, Vol. 94:2247-2256.
- 25) Kamely, M. Karimi Torshizi, M.A., **Rahimi, S.** (2016). Effect of supplementing rice hull on performance and carcass characteristics, blood biochemical and thyroid hormones of male broiler chickens. *Research on Animal Production*, Vol. 7, No. 14: 82-89.
- 26) Hasanpour, S., **Rahimi, S.**, Fani Makki, O., Shahhosseini, G.R., Khosravi, A. R. (2015). Protective Influence of Gamma Rays and Electron-Beam Irradiation with a Commercial Toxin Binder on Toxic Effects of Aflatoxin B1 in Japanese Quails. *Iranian Journal of Toxicology*, (In press).
- 27) Rezaei, M., **Rahimi, S.**, Chizari, A. H., (2015). Survey on broiler health and management in Tehran Province. *Animal Science Journal (Pajouhesh & Sazandeghi)*. Vol. 108:
- 28) Babaei, S., **Rahimi, S.**, Karimi Torshizi, M.A., Tahmasebi, G. H., Khaleghi Miran, S. N. (2015). Effects of propolis, royal jelly, honey and bee pollen on growth performance and immune system of Japanese quails. *Veterinary Research Forum*. Vlo.7 (1)13-20.
- 29) Babaei, S., **Rahimi, S.**, Karimi Torshizi, M.A., Tahmasebi, G. H., Khaleghi Miran, S. N. (2015). Effect of honey, royal jelly and bee pollen on performance, immune system and blood parameters in Japanese quail. *Journal of Animal Production*, Vol. 17 (2): 311-320.
- 30) Khaleghi Miran, S. N., Karimi Torshizi, M. A., **Rahimi, S.**, Bassami, M. R., Babaei, S. (2015). Effect of Iranian green propolis, rosemary, earthworm, and vitamin E on performance and blood

- parameters in Japanese quail. *Journal of Animal Production*, College of Aboureihan, University of Tehran. Vol. 17 (2): 235-245.
- 31) Nori, J., Karimi Torshizi, M. A., **Rahimi, S.**, Madadkar, O. (2015). Isolation of lytic bacteriophage against growth reducing *Enterococcus faecalis* and assessment of its efficacy in enterococci colonization in Japanese quails intestine. *Journal of Animal Production*, College of Aboureihan, University of Tehran, Vol. 17 (2): 199-209.
  - 32) Behnamifar, A.R., **Rahimi, S.**, Karimi Torshizi, M.A., (2015). Effect of Probiotic, Thyme, Garlic and Caraway Herbal Extracts on the Quality and Quantity of Eggs, Blood Parameters, Intestinal Bacterial Population and Histomorphology in Laying Hens. *Journal of Medicinal Plants and By-products*. 1: 121-128.
  - 33) Behnamifar, A.R., **Rahimi, S.**, Karimi Torshizi, M.A., Hasanpour, S., Mohammadzadeh, Z. (2015). Comparison the effect of three herbal extracts (garlic, thyme and caraway) on egg quality and quantity, blood parameters, intestinal microbial flora and hatchability in Japanese quails. *Iranian Journal of Veterinary Medicine*. 9(3): 179-187.
  - 34) Ahmadi, M., Karimi Torshizi, M. A., **Rahimi, S.** (2015). Isolation of Lytic Bacteriophage from Poultry's feces and evaluation of its Efficiency to Reduce *Salmonella enteritidis* *In Vitro* and *In Vivo*. *Iranian Journal of Medical Microbiology*. Vol. 9, Number 3: 37-47.
  - 35) **Rahimi, S.**, Hoseynyan Bilandi, H., Asadi, F., Rahmani, M., Yakhkeshi, S., Radboy, O. (2011). The Effect of Garlic Herb in Comparison with Organic Selenium and Vitamin E as Different Dietary Antioxidants on Carcass Fat and Performance of Broilers. *Journal of Medicinal Plants*, Vol. 10, No. 37, winter.
  - 36) Armin, F. **Rahimi, S.**, Abkenar, A. M., Ghofrani, Y., Ebrahimi, H. (2015). Effect of *Sargassum* sp. and vitamin E on stability of fish oil enriched meat in broiler chickens. *Iranian Journal of Applied Animal Science*. Vol. 5 (4): 385-392.
  - 37) Omidi, M., **Rahimi, S.**, Karimi Torshizi, M.A. (2015). Modification of egg yolk fatty acids profile by using marine algae and different oil sources. *Veterinary Research Forum*. Vol. 6 (2): 137-141.
  - 38) Hatamzadeh, N., **Rahimi, S.**, Gharegozlou, M.J., Yakhkeshi, S. (2015). Comparison effects of some chemical and herbal commercial medicines on the immune system and reduce respiratory damage in chickens challenged with infectious bronchitis vaccine. *Journal of Veterinary (Pajouhesh & Sazandeghi)*, 108: 20-27.
  - 39) Hashemzadeh, F., **Rahimi, S.**, Karimi Torshizi, M.A., Masoudi, A.A. (2015). Usage of Green Florescent Protein for Tracing Probiotic Bacteria in Alimentary Tract and Efficacy Evaluation of Different Probiotic Administration Methods in Broilers. *Journal of Agricultural Science and Technology*. Vol. 17: 345-356.
  - 40) Arak, H., Karimi Torshizi, M.A., **Rahimi, Sh.** (2013). Study on the effect of Savory (*Satureja khuzestanica*) essential oil and Polysorb toxin-binder against experimental aflatoxicosis in Japanese quail. *Journal of Veterinary Clinical Pathology*, Vol. 7, No 27: 249-267.
  - 41) Hoseynian Bilandi, H., **Rahimi, S.** (2015). Comparison the effect of probiotic (Primalac), prebiotic (Fermacto) and antibiotic (Virginiamycine) to reduce colonization of *Clostridium perfringens* in an experimental model of necrotic enteritis in broiler chickens. *Iranian Journal of Veterinary Medicine*. Vol. 10 (4): 39-46.
  - 42) Taher, M., **Rahimi, S.**, Karimi Torshizi, M. A., Ashori, A. (2015). Comparison the effects extract of rosemary, thyme, propolis, antibiotic and probiotic on the immune system and blood parameters of broilers challenged with *Salmonella* Enteritidis. *Journal of Veterinary Research*. 71, 2: 245-253.
  - 43) Taher, M., **Rahimi, Sh.**, karimi torshizi, M.A., Ashouri, A. (2015). Comparison the effects of rosemary, thyme, propolis, antibiotic and probiotic on broiler performance. *Iranian Journal of Animal Science*, Vol. 45 No. 2: 99-106.
  - 44) Varmaghany, S., **S. Rahimi, M. A.** Karimi Torshizi, H. Lotfollahian, M. Hassanzadeh. (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 (20) 3:60-69.
  - 45) **Rahimi, S.**, Kathariou, S., Grimes, J., O. Fletcher, Siletzky, R. M. (2011). Effect of direct-fed microbials on performance and *Clostridium perfringens* colonization of turkey poults. *Poultry Science* 90:2656-2662.
  - 46) **Rahimi, Sh.**, Grimes, J.L., Fletcher, O., Oviedo, E., and Sheldon, B.W. (2009). Effect of a Direct Fed Microbial (Primalac®) on Structure and Ultrastructure of Small Intestine in Turkey Poults Challenged with *Salmonella*. *Poultry Science* .88: 491-503.

- 47) Grimes, J., **Rahimi, Sh.**, Oviedo, E., B.W. Sheldon and F.B.O. Santos (2008). Effects of a Direct Fed Microbial on Turkey Poult Performance and Susceptibility to Oral *Salmonella* Challenge. Poultry Science 87: 1464-1470.
- 48) Khajavi, M.; **Rahimi, Sh.**; Hassan, Z.; Kamali, M.A. and Mousavi, T. (2003). Effect of feed restriction early in life on humoral and cellular immunity of two commercial broiler strains under heat stress condition. British Poultry Science, Vol. 44 No. 3 pp: 490-497.
- 49) Karimi, M.A., Moghaddam, A. R., **Rahimi, S.**, Mojangani, N. (2010). Assessing the effect of administrating probiotics in water or as a feed supplement on broiler performance and immune response. British Poultry Science, 51:2, 178-184.
- 50) Mojangani, 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: 357-365.
- 51) Karimi Torshizi, M.A., **Rahimi, Sh.**, Mojangani, N., Esmaeilkhani, S., and Grimes, J.L. (2008). Screening of Indigenous Strains of Lactic Acid Bacteria Development of a probiotic for Poultry. Asian-Australasian Journal of Animal Science Vol., 21, No. 10: 1495-1500.
- 52) **Rahimi, Sh.**, Moghadam Shiraz, Z., Zahraei Salehi, T., Karimi Torshizi, M. A., and Grimes, J. (2007). Prevention of *Salmonella* Infection in Poultry by Specific Egg-Derived Antibody. International Journal of Poultry Science 6(4): 230-235.
- 53) **Rahimi, Sh.**, Salehifar, E., Ghorashi, S.A., Grimes, J., and Karimi Torshizi, M. A. (2007). The Effect of Egg-Derived Antibody on Prevention of Avian Influenza Subtype H9N2 in Layer Chicken. International Journal of Poultry Science 6(3): 207-210.
- 54) Saleh, H., **Rahimi, Sh.**, and Karimi Torshizi M.A. (2008). The effect of diet containing fish oil on performance, blood parameters, immune system and fatty acid composition of meat in broilers. International Journal of Veterinary Research Vol. 64, No.2: 69-75.
- 55) Rajani, J., Karimi Torshizi, M.A., **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.
- 56) Khaksefidi, A. and **Rahimi, Sh.** (2005). Effect of probiotic inclusion in the diet of broiler chickens. Asian-Australian Journal of Animal Science. Vol. 18 No.8 pp: 1153-1156.
- 57) Sayrafi, R., Soltananejad, F., Shahrooz, R., **Rahimi, S.** (2011). Comparative study of the effect of alternative and antibiotic feed additives on the performance and intestinal histomorphometrical parameters of broiler chickens. African Journal of Agricultural Research. Vol. 6(12), 2794-2799.
- 58) Sayrafi, R., Soltananejad, F., Shahrooz, R., **Rahimi, S.** (2011). Effect of butyric acid glycerides and antibiotic growth promoter on the performance and intestinal histomorphometry of broiler chickens. Journal of Agriculture & Environment Vol. 9 (3&4): 285-288.
- 59) Saleh, H., **Rahimi, S.**, Karimi Torshizi, M. A., Golian, A. (2010). Effect of Dietary Fish Oil on Oxidative Stability and Lipid Composition of Broiler Chickens Breast and Thigh Meat. Journal of Animal and Veterinary Advances 9(22): 2877-2882.
- 60) Hashemzadeh, F., **S. Rahimi**, M. A. Karimi Torshizi, A. A. Masoudi. (2013). Effect of Probiotics and Antibiotic Supplementation on Serum Biochemistry and Intestinal Microflora in Broiler Chickens. International Journal of Agriculture and Crop Sciences. Vol. 5 (20): 2394-2398.
- 61) Hatamzadeh, M., **Rahimi, S.**, Gharagozlou, M. J. (2013). Effect of Commercial Herbal and Chemical Medicines on Performance, GI Microbial Population, Intestinal Morphology and Serum Lipids of Broiler Chickens Challenged with Infectious Bronchitis Vaccine Virus. Journal of Medicinal Plants and By-Products. 1: 1-11.
- 62) Varmaghany, S., **S. Rahimi**, M. A. Karimi Torshizi, H. Lotfollahian, M. Hassanzadeh. (2013). The effect of olive leaf on blood pressure, performance and serum biochemical parameters in broiler chickens. Journal of Veterinary Medicine (Pajohesh va Sazandegi) 99 (2): 25-35.
- 63) Karimi, B., **S. Rahimi**, M. A. Karimi Torshizi (2015). Comparison the effects of six herbal extracts and antibiotic virginiamycin on immune response and serum lipids in broiler chickens. Iranian Journal of Medicinal and Aromatic Plants. Vol. 31 (1): 177-184.
- 64) Mirzavand, M., **Rahimi, S.**, Sahari, M. A. (2015). Evaluation the effects of mint, basil, parsley, dill, coriander, garlic on broiler performance, blood factors, immune system, intestinal morphology and taste of meat. Iranian Journal of Medicinal and Aromatic Plants. Vol. 31 (3): 446-459.
- 65) Seifi, K., Karimi Torshizi, M. A., **Rahimi, S.** (2012). Effect of probiotic administration methods on carcass quality and lipid protein rate in Japanese quail's meat. Journal of Animal Science Researches. Vol. 22, NO. 4: 69- 80.
- 66) K. Seifi, M. A. Karimi Torshizi, **S. Rahimi** and A. Teimouri Yansari. (2014). The comparison of probiotics intake via oral and enema (cloaca) routes on intestinal morphology and performance of Japanese quail. Journal of Animal Production Researches. (In Press).

- 67) Shafiee, M., **S. Rahimi**, M. A. Karimi Torshizi, T. Zahraei Salehi. (2015). Effect of egg yolk specific antibodies on histomorphological changes of intestine and reducing *Escherichia coli* in broiler chickens. Journal of Veterinary Research, Vol 69, No. 4: 354-361.
- 68) Yakhkeshi, S., Showrang, P., **Rahimi, S.** (2014). Effect of some acidifiers on gastrointestinal tract characteristics and performance of broiler chickens. Iranian Journal of Applied Animal Science. 4(1): 143-149.
- 69) Yakhkeshi, S., **Rahimi, S.**, Showrang, P. (2013). Effect of electron-beam irradiation of the diet on microbial population, intestinal morphology, ileal digestibility and performance of broilers. Iranian Journal of Applied Animal Science. 3(4): 747-754.
- 70) Bazrafshan, K., Karimi Torshizi, M.A., **Rahimi, S.** (2012). Effect of some isolated bacteria from commercial probiotics on growth, carcass composition and immune system of Japanese quail. Animal Science Journal (Pajouhesh va Sazandeghi) No 96 pp: 15-24.
- 71) Alempour, M., **Rahimi, S.**, Karimi Torshizi, M. A. (2013). Comparison the effect of five herbal extracts and antibiotic Virginiamycin on serum lipids, hetrophil/lymphocyte ratio in broiler chickens. Iranian Journal of Medicinal and Aromatic Plants Research. Vol. 29 No. 1: 1-10.
- 72) Azizian, M., **Rahimi, S.**, Kamali, M. A., Karimi, Torshizi, M. A., and Zobdeh, M. R. (2013). Comparison the Susceptibility of Six Male Broiler Hybrids to Ascites by using Hematological and Pathological Parameters. Journal of Agricultural Science and Technology. Vol. 15: 517-525.
- 73) **Rahimi, S.**, Yakhkeshi, S., Shawrang, P. (2012). Comparison the effect of electron beam irradiation and organic acid in intestinal morphology, immune response, organs relative weight and growth characters in broiler chickens. Journal of Veterinary Research, Vol. 67, No. 3: 223-233.
- 74) Naghizadeh, F., Karimi Torshizi, M. A., and **Rahimi, S.** (2011). Comparison of Nanosilver and in-Feed Disinfectants on Layer Performance and Intestinal Microflora and Yolk Cholesterol. Journal of Animal Production, Vol. 13, No. 1 P. 49-58.
- 75) Gharib Naseri, K., **Rahimi, S.**, Khaki, P. (2012). Comparison of Probiotic, Organic Acid and Medicinal Plant Supplementation on Challenged Models of *Campylobacter jejuni* in Broiler Chickens. Journal of Agricultural Science and Technology. Vol. 14 : 1485-1496
- 76) Yakhkeshi, S., **Rahimi, S.**, Hemati Matin, H. R. (2012). Effect of Yarrow (*Achillea millefolium L.*), Antibiotic and Probiotic on Performance, Immune Response, Serum Lipids and Microbial Population of Broilers. Journal of Agricultural Science and Technology. Vol. 14: 799 – 810.
- 77) Valipouri, A.R., **Rahimi, S.**, Zahraei Salehi, T. (2012). The effect of growth promoter feed additives on performance of broilers challenged with *E. coli*. Iranian Journal of Animal Science Research Vol.3, No. 2, P. 95-104.
- 78) Sayrafi, R., Shahrooz, R., Soltanlinejad, F., **Rahimi, S.** (2011). Histomorphometrical Study of the Prebiotic Effects on Intestine Morphology and Growth Performance of Broiler Chickens. Veterinary Research Forum, Vol: 2, No: 1: 45-51.
- 79) Yakhkeshi, S., **Rahimi, S.**, Gharib Naseri K. (2011). Comparison of Herbal Extracts, Antibiotic, Probiotic and Organic Acid on Serum Lipids, Immune Response, GIT Microbial Population, Intestinal Morphology and Performance of Broilers. Journal of Medicinal Plants, Vol. 10, No. 37: 80-95
- 80) Hashemzadeh, Z., Karimi Torshizi, M.A., **Rahimi, S.**, Razban, V., and Zahraei Salehi, T. (2015). Prevention of *Salmonella* Colonization in Neonatal Broiler Chicks by Using Different Routes of Probiotic Administration in Hatchery Evaluated by Culture and PCR Techniques. J. Agr. Sci. Tech. Vol. 12: 425-432.
- 81) **Rahimi, S.** Farhadi, D. Valipouri, A.R. (2011). Effect of organic and inorganic selenium sources and vitamin E on broiler performance and carcass characteristics in heat stress condition. Journal of Veterinary Medicine (Pajouhesh Va Sazandegi). No. 91: 25 – 35.
- 82) Teymourzadeh, Z., **Rahimi, S.**, Karimi Torshizi, M.A., Omidbaigi, R. (2009). Comparison the effect of *Thymus vulgaris L.*, *Echina purpuria (L.)* Monench. *Alloum sativum L.* extracts and virginiamycin antibiotic on serum lipids, hematocrit, and hemoglobin in broiler chickens. Journal of Medicinal plants, Vol. 8: 37-45.
- 83) Hashemzadeh, Z., Karimi Torshizi, M.A., **Rahimi, S.** (2010). Effect of different methods of administration of *Lactobacillus ramosus* in hatchery on performance, intestinal morphology and blood factors in broiler chickens challenged with *Salmonella*. Pajouhesh Va Sazandegi No.: 84: 2-9.
- 84) Moghadam, A.R., Karimi Torshizi, M.A., **Rahimi, S.**, (2010). Effect of Different Methods of Using Probiotics in Hatchery on Performance and Immune System of Broilers. Journal of Veterinary Research Vol. 65 (2): 91-96
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- 50) Norani, M., Shahverdi, A., **Rahimi, S.**, Esmaeili, V., Bazgir, S., Rahimi, M., Heydari, E. (2015). Freezing Poultry Sperm. International Congress in Reproduction, May 23-25. Tehran, Iran.
- 51) Hasanpour, S., Shahhosseini, G.R., **Rahimi, S.**, Fani Makki, O. Faraji, R. (2015). Effect of Gamma Rays and Electron-Beam Irradiation with a Commercial Toxin Binder on Nutrient Composition and Performance of Japanese Quails fed contaminated feed with Aflatoxin B1. The 4<sup>th</sup> National Congress on Nuclear Technology in Agricultural & Natural Recourse Sciences. Nuclear Science and Technology Research Institute, Agriculture Nuclear Center, Karaj, Iran, May 19– 20.
- 52) Soleymani, M., R., Ziaei, N., Rahimi, S., (2014). Investigation the effect of different levels of vitamin E on poultry in heat stress condition. . Fourth National seminar on Agriculture, Fisheries and food. 4-5 December. Boshher, Iran.
- 53) Soleymani, M., R., Ziaei, N., **Rahimi, S.**, (2014). Effect different levels of vitamin E on blood factors of poultry in heat stress condition. Fourth National seminar on Agriculture, Fisheries and food. 4-5 December. Boshher, Iran.
- 54) Soleymani, **M. R.**, **Rahimi\***, S., Jabbari, A. R. yakhkeshi, S. (2014). Comparison effect of gum tragacanth, antibiotic, probiotic, prebiotic and organic acid on performance of broiler chickens challenged with *Clostridium perfringens*, 6<sup>th</sup> National Congress of Iran's Animal Science. August 27 – 28, Tabriz, Iran.
- 55) Soleymani, **M. R.**, **Rahimi\***, S., Jabbari, A. R. yakhkeshi, S. (2014). Inhibition of *Clostridium perfringens* activity in laboratory condition (*In vitro*) by using gum tragacanth extract. 6<sup>th</sup> National Congress of Iran's Animal Science. August 27 – 28, Tabriz, Iran.
- 56) Soleymani, M., R., Chaab, K., **Rahimi, S.**, Ziaei, N. (2014). Comparison the performance of broiler chickens raised on litter and in battery cages. Fourth National seminar on Agriculture, Fisheries and food. 4-5 December. Boshher, Iran.
- 57) Soleymani, **M. R.**, **Rahimi, S.**, Jabbari, A. R. (2014). Effect of gum tragacanth, organic acid, probiotic, prebotic and antibiotic on cecal microflora of broilers challenged with *Clostridium perfringens*. August 27 – 28, Tabriz, Iran.
- 58) Chaab, K., **Rahimi, S.**, Khaki, P., and Yakhkeshi, S. (2014). Effects of medicinal plant extracts, organic acids and antibiotic on broiler performance. August 27 – 28, Tabriz, Iran.
- 59) Ahmadi, M., Karimi Torshizi, M.A., **Rahimi, S.** (2014). Evaluation of efficiency of phage administration times against *Salmonella* Enteritidis colonization in Japanese quail. August 27 – 28, Tabriz, Iran.
- 60) Ahmadi, M., Karimi Torshizi, M.A., **Rahimi, S.** (2014). The effects of different methods of phage administration on the immune response of Japanese quails challenged with *Salmonella* Enteritidis. August 27 – 28, Tabriz, Iran.
- 61) **Rahimi, S.**, J. Grimes, S. Kathariou, O. Fletcher. (2014). The effectiveness of direct-fed microbial and prebiotic on histomorphology of intestine, ultrastructural changes of intestinal mucosa and performance of turkey poults infected with *Salmonella* and *Campylobacter*. 2014. Symposium on GUT Health in Production of Food Animals. St. Louis, MO, Nov. 10 – 12.
- 62) **Rahimi, S.**, Naghizadeh, M., Rahimi, A. (2014). A review: Alternatives to antibiotic use for growth promotion in poultry. Symposium on GUT Health in Production of Food Animals. St. Louis, MO, Nov. 10 – 12.
- 63) Khaleghi Miran, N., M. A. Karimi Torshizi, **S. Rahimi**, M. R. Bassami, S. Babaei. (2014). Effect of *Rosmarinus officinalis*, Iranian green propolis, earthworm and vitamin E on performance and blood parameters in Japanese quail. 2014 PSA Annual Meeting. Corpus Christi, July 14-17, 2014. Texas A&M University.
- 64) Babaei, S., **S. Rahimi**, M. A. Karimi Torshizi, N. Khaleghi Miran, GA. Nehzati, N. Razmgah. (2014). Effect of propolis, honey, royal jelly and bee pollen on the growth performance and blood parameters of quail (*Coturnix coturnix japaonica*). 2014 PSA Annual Meeting. Corpus Christi, July 14-17, 2014. Texas A&M University.
- 65) Ebrahimi, H., **S. Rahimi**, P. Khaki, G. Sajadi, A. Rahimi, M. Naghizadeh. (2014). Effect of Vaccine and *Echinacea purpurea* extract on colonization of broilers with *Campylobacter jejuni*. 2014 PSA Annual Meeting. Corpus Christi, July 14-17, 2014. Texas A&M University.

- 66) Behnamifar, A. R., **S. Rahimi**, M. A. Karimi Torshizi, Z. Mohammadzadeh, A. Rahimi. (2014). Comparison the effect of probiotic and three herbal extracts (garlic, thyme and caraway) on egg quality. 2014 PSA Annual Meeting. Corpus Christi, July 14-17, 2014. Texas A&M University.
- 67) Kamely, M., M. A. Karimi Torshizi, **S. Rahimi**. (2014). Effect of early feed restriction and low ambient temperature on ascites development in broiler chickens. 2014 PSA Annual Meeting. Corpus Christi, July 14-17, 2014. Texas A&M University.
- 68) Varmaghany, S., **S. Rahimi**, M. A. Karimi Torshizi, H. Lotfollahian and M. Hassanzadeh, H. Hemati Matin, A. Rahimi. (2014). Effect of dietary increasing levels of fresh whole garlic powder on growth performance, hemodynamic, hematology, and ascites syndrome in broiler chickens. 2014 PSA Annual Meeting. Corpus Christi, July 14-17, 2014. Texas A&M University.
- 69) Khaleghi miran, S.N., Karimi Torshizi, M. A., **Rahimi, S.**, Bassami, M. R., Babaei, S. (2014). The Effects of Rosemary and its Products on the immune response of Japanese quail to Influenza killed vaccine virus (H9N2). 4<sup>th</sup> International Veterinary Poultry Congress. Feb. 16-17, 2014, Tehran, Iran.
- 70) Babaei, S., **Rahimi, S.**, Karimi Torshizi, MA., Khaleghi Miran, S. N. (2014). The effect of propolis and pollen on immune response of quails (*Coturnix coturnix japonica*) against Newcastle disease virus. 4<sup>th</sup> International Veterinary Poultry Congress. Feb. 16-17, 2014, Tehran, Iran.
- 71) Ahmadi, M., Karimi Torshizi, MA, **Rahimi, S.** (2014). Evaluation of bacteriophage administration methods against *Salmonella enteritidis* in Japanese quail. 4<sup>th</sup> International Veterinary Poultry Congress. Feb. 16-17, 2014, Tehran, Iran.
- 72) Ahmadi, M., Karimi Torshizi, MA, **Rahimi, S.** (2014). The effect of bacteriophage on bacterial enumeration of Japanese quail ileal contents. 4<sup>th</sup> International Veterinary Poultry Congress. Feb. 16-17, 2014, Tehran, Iran.
- 73) Ibrahimy, H., **S. Rahimi**, P. Khaki. (2014). The effect of probiotic, organic acids and medicinal plant on immune system and gastrointestinal microflora in broilers challenged with *Campylobacter jejuni*. 4<sup>th</sup> International Veterinary Poultry Congress. Feb. 16-17, 2014, Tehran, Iran.
- 74) Behnamifar, A. R., **Rahimi, S.**, Karimi Torshizi, M. A., Mohammadzadeh, Z. (2014). Effect of three herbal extracts on intestinal selected bacterial population in laying Japanese quail. 3<sup>rd</sup> National Congress on Medicinal Plants. May 14-15, 2014. Ferdowsi University, Mashhad, Iran.
- 75) Taher, M., **S. Rahimi**, M. A. Karimi Torshizi, A. Ashori. (2014). Comparison the effects of Rosemary and Thyme extracts, Propolis, antibiotic and probiotic on serum lipid concentrations of broilers challenged with *Salmonella enteritidis*. 3<sup>rd</sup> National Congress on Medicinal Plants. May 14-15, 2014. Ferdowsi University, Mashhad, Iran.
- 76) Ashori, A., **S. Rahimi**, M. A. Karimi Torshizi, M. Taher. (2014). Comparison the effect of Rosmarinus, Salvia, propolis, coccidiostat, and antibiotic on serum lipid concentrations of broiler chickens challenged with *E. coli*. 3<sup>rd</sup> National Congress on Medicinal Plants. May 14-15, 2014. Ferdowsi University, Mashhad, Iran.
- 77) Mohammadzadeh, Z., **S. Rahimi**, M. A. Karimi Torshizi., (2014). Effect of probiotic and herbal extracts (Wild marjoram, Wild mint and Chamomile) on serum lipid concentrations of laying hens. 3<sup>rd</sup> National Congress on Medicinal Plants. May 14-15, 2014. Ferdowsi University, Mashhad, Iran.
- 78) **Rahimi, S.** (2014). Strategies for finding alternatives to antibiotics. 4<sup>th</sup> International Veterinary Poultry Congress. Feb. 16-17, 2014, Tehran, Iran.
- 79) **Rahimi, S.** (2013). Agriculture Biosafety. National Conference of Biosecurity in Agriculture. Nov. 2013. Ghesm Island, Iran.
- 80) **Rahimi, S.**, Arak, H. (2013). Biosafety in Poultry Industry. National Conference of Biosecurity in Agriculture. Nov. 2013. Ghesm Island, Iran.
- 81) Mohammadzadeh, Z., **Rahimi, S.** Karimi Torshizi, M. A., Behnamifar, A. R. (2013). Evaluation the effect of three medicinal plants (Wild marjoram, Wild mint and Chamomile) on egg quality and egg yolk cholesterol in laying hens. First National Conference of Medicinal Plants and Sustainable Agriculture, Oct. 10, 2013. Shahid Mofatteh College, Hamedan, Iran.
- 82) Taher, M., **S. Rahimi**, M. A. Karimi Torshizi, A. Ashori. (2013). Comparison the effect of Rosemary (*Rosmarinus officinalis*) and Thyme (*Thymus vulgaris*) extracts, Propolis, Virginiamycin and probiotic on immune system and carcass characteristics of broilers challenged with *Salmonella enteritidis*. First National Conference of Medicinal Plants and Sustainable Agriculture, Oct. 10, 2013. Shahid Mofatteh College, Hamedan, Iran.
- 83) Ashori, A., **S. Rahimi**, M. A. Karimi Torshizi, M. Taher. (2013). Comparison the effect of *Rosmarinus officinalis* L. and *Salvia officinalis* extracts, propolis, coccidiostat, and antibiotic on immune system and carcass characteristics of broiler chickens challenged with *E. coli*. First National Conference of Medicinal Plants and Sustainable Agriculture, Oct. 10, 2013. Shahid Mofatteh College, Hamedan, Iran.

- 84) Hashemzadeh, F., **S. Rahimi**, M. A. Karimi Torshizi, and A. Rahimi. (2013). Evaluation of different probiotic administration methods by using labeled probiotic bacteria in broilers. Poultry Science Association 102<sup>nd</sup> Annual Meeting. July 22-25, 2013. San Diego, California.
- 85) Hashemzadeh, F., **S. Rahimi**, M. A. Karimi Torshizi, and A. A. Masoudi. (2013). Efficacy evaluation of different probiotic administration methods by using labeled probiotic bacteria in broilers. Poultry Science Association 102<sup>nd</sup> Annual Meeting. July 22-25, 2013. San Diego, California.
- 86) Varmaghany, S., **S. Rahimi**, M. A. Karimi Torshizi, H. Lotfollahian and M. Hassanzadeh. (2013). Effect of olive leaf as medicinal plant supplementation on immune system and heart related ascites indices in broilers reared under normal and cold temperature conditions. Poultry Science Association 102<sup>nd</sup> Annual Meeting. July 22-25, 2013. San Diego, California.
- 87) Radboy, O., **Rahimi, S.**, Karimi Torshizi, M. A., and Rahimi, A. (2013). Broiler Production without medication and vaccination. Poultry Science Association 102<sup>nd</sup> Annual Meeting. July 22-25, 2013. San Diego, California.
- 88) Shafiae, M., **Rahimi, S.**, Karimi Torshizi, M. A., Zahraei Salehi, T. (2013). Effect of egg yolk specific antibodies on reducing colonization of *E. coli* in intestine of broiler chickens. Poultry Science Association 102<sup>nd</sup> Annual Meeting. July 22-25, 2013. San Diego, California.
- 89) Sajadi, G., **Rahimi, S.**, Khaki, P. and Ibrahimy, H. (2013). The effect of IgY and vaccine on reducing *C. jejuni* in intestine of broilers. Poultry Science Association 102<sup>nd</sup> Annual Meeting. July 22-25, 2013. San Diego, California.
- 90) Omidy, M., **Rahimi, S.**, Karimi Torshizi, M. A., and Rahimi, A. (2013). Omega-3 enrichment of egg yolk by using marine algae and different oil sources. Poultry Science Association 102<sup>nd</sup> Annual Meeting. July 22-25, 2013. San Diego, California.
- 91) Mirzavand, M., **Rahimi, S.**, Sahari, M. A. (2013). The effect of medicinal and aromatic plants on immune system and taste of meat in broilers. Poultry Science Association 102<sup>nd</sup> Annual Meeting. July 22-25, 2013. San Diego, California.
- 92) Ashori, A., **Rahimi, S.**, Karimi Torshizi, M. A. (2013). Comparative effect of *Rosmarinus officinalis* L., *Salvia officinalis*, propolis, Phytmax Cox and antibiotic on performance of broiler chickens challenged with *E. coli*. The Second National Congress on Organic and Conventional Agriculture. University of Mohaghegh Ardabili. August 21-22, 2013, Ardabil, Iran.
- 93) Taher, M., **Rahimi, S.**, Karimi Torshizi, M. A. (2013). Comparison effect of Rosemary extract (*Rosmarinus officinalis*), Thyme (*Thymus vulgaris*), Propolis, Virginiamycin and probiotic on performance of broilers challenged with *Salmonella enteritidis*. The Second National Congress on Organic and Conventional Agriculture. University of Mohaghegh Ardabili. August 21-22, 2013, Ardabil, Iran.
- 94) Varmaghany, S., **Rahimi, S.**, Karimi Torshizi, M. A., Lotfollahian, H., Hassanzadeh, M. (2013). The effect of olive leaf on enzyme activities and thyroid hormones concentration in broiler chickens under normal and cold temperature conditions. National Conference of Animal and Poultry Sciences in North of Iran. May 2013. Sari Agriculture and Natural Resources Sciences University.
- 95) Ebrahimi, H., **Rahimi, S.**, Khaki, P., Sajadi, S. A. (2013). The effect of organic acid (Selko-pH), probiotic (Primalac) and *Echinacea purpurea* application on immune system of broiler chickens. National Conference of Animal and Poultry Sciences in North of Iran. May 2013. Sari Agriculture and Natural Resources Sciences University.
- 96) Darabi, L., **Rahimi, S.**, Karimi Torshizi, M. A., Zahraei Salehi, T. (2013). Effect of specific immunoglobulin of egg yolk (IgY). Against *Salmonella Typhimurium* in broiler chickens. National Conference of Animal and Poultry Sciences in North of Iran. May 2013. Sari Agriculture and Natural Resources Sciences University.
- 97) Sajadi, S. A., **Rahimi, S.**, Khaki, P., Ebrahimi, H. (2013). The effect of egg yolk powder containing specific antibodies (IgY) on reducing colonization of *Campylobacter jejuni* in gastrointestinal tract of broiler chickens. National Conference of Animal and Poultry Sciences in North of Iran. May 2013. Sari Agriculture and Natural Resources Science University.
- 98) Arak, H., Karimi Torshizi, M. A., **Rahimi, S.**, Ahmadpoor, D. (2013). Effects of feeding different levels of savory essence (*Satureja khuzestanica* L.) on performance of laying quail. National Conference of Animal and Poultry Sciences in North of Iran. May 2013. Sari Agriculture and Natural Resources Science University.
- 99) Arak, H., Karimi Torshizi, M. A., **Rahimi, S.**, Ahmadpoor, D. (2013). Performance evaluation of quail fed diets contaminated with aflatoxin B1 and the efficiency of toxin binder polysorb during growth period. National Conference of Animal and Poultry Sciences in North of Iran. May 2013. Sari Agriculture and Natural Resources Science University.

- 100) Arak, H., Karimi Torshizi, M. A., **Rahimi, S.** (2013). Investigation of possible anti-aflatoxicosis properties of savory essential oil. 2<sup>nd</sup> National Congress on Medicinal Plants 15-16 May 2013. Shahid Beheshti University, Tehran, Iran.
- 101) Hashemzadeh, F., Karimi Torshizi, M. A., **Rahimi, S.** (2012). Effect of *Lactobacillus plantarum* injection in embryonated eggs on intestine morphology of broilers. 1<sup>st</sup> National Conference of Sustainable development in Agriculture, Natural Resources and Environment. Tehran, Iran
- 102) **Rahimi, S.**, Hashemzadeh, F. (2012). Using Probiotics in Poultry Nutrition. National Congress of Probiotic and Functional Foods. Tehran, Iran. Nov. 2012.
- 103) Saedi, M., **Rahimi, S.**, Mirzadeh, M., Mazaheri, S., Hatamzade, M., Golpour, A., and Yakhkeshi, S. (2012). Comparison the effects of medicinal plants on carcass characteristics, serum lipids and immune system in broiler chickens. Poultry Science Association 1<sup>01st</sup> Annual Meeting July 9 - 12 Athens, Georgia, USA.
- 104) Karimi, B., **Rahimi, S.**, Omid, M., Kamely, M., Dehghan, S., Rohani, N. S., Mirzavand, M., Bagheri, M., and Sajadi, A. (2012). Effect of bentonite, zeolite and sand on broiler performance and blood parameters. Poultry Science Association 101<sup>st</sup> Annual Meeting July 9 - 12 Athens, Georgia, USA.
- 105) Sayrafi, R., Shahrooz, R., Soltanilinejad, F., **Rahimi, S.**, Farohmand, P., Ghafari Rahbar, M. (2011). Study the effects of prebiotic on histomorphometry of duodenum in broiler chickens. The First National Probiotic & Prebiotic Congress of Iran. Spring, Tehran, Iran.
- 106) Mirzavand, M., **Rahimi, S.**, Sahari, M. A., Karimi, B. (2012). The Effects of *Mentha longifolia*, *Petroselinum crispum*, *Ocimum basilicum L.*, *Anethum graveolens L.*, *Allium sativum L.* and *Coriandrum sativum L.*, powder on Broiler growth Performance. Poultry Science Association 101<sup>st</sup> Annual Meeting July 9 - 12 Athens, Georgia, USA.
- 107) Karimi, B., **Rahimi, S.**, Karimi Torshizi, M. A., Mirzavand, M. (2012). The Effects of *Allium sativum L.*, *Glycyrrhiza glabra L.*, *Bunium persicum (Boiss.)*, *Matricaria chamomilla*, *Achillea, millefolium L.*, *Eucalyptus globulus L.* Extract and Antibiotic Virginiamycin on Broiler Performance. Poultry Science Association 101<sup>st</sup> Annual Meeting July 9 - 12 Athens, Georgia, USA.
- 108) Varmaghany, S. **Rahimi, S.**, Karimi Torshizi, M. A., Lotfollahian, H., Jafari, H. (2012). The Effect of Olive Leaf as Medicinal Plant Supplementation on Carcass Characteristics and Mortality in Broiler chickens. Poultry Science Association 101<sup>st</sup> Annual Meeting July 9 - 12 Athens, Georgia, USA.
- 109) Hatamzadeh, M., **Rahimi, S.**, Gharaguzlu, M. J. (2012). The Effects of Commercial Herbal and Chemical Medicines on Abdominal Fat, Immune System and Percent of Viability of Broilers Challenged with Infectious Bronchitis Virus. Poultry Science Association 101<sup>st</sup> Annual Meeting July 9 - 12 Athens, Georgia, USA.
- 110) Hoseinyan Bilandi, H., **Rahimi, S.**, Yakhkeshi, S., Gharib Naseri, K. (2012). The Effect of Garlic Herb in Comparison with Organic Selenium and Vitamin E on Carcass Fat and Performance of Broilers. Poultry Science Association 101<sup>st</sup> Annual Meeting July 9 - 12 Athens, Georgia, USA.
- 111) Mirzadeh, M., **Rahimi, S.**, Saedi, M., Mazaheri, S., Hatamzadeh, M., Golpour, A., Yakhkeshi, S. (2012). Comparison the effect of medicinal plants on growth performance of broiler chickens. Poultry Science Association 101<sup>st</sup> Annual Meeting July 9 - 12 Athens, Georgia, USA..
- 112) Varmaghany, S., Karimi Torshizi, M. A., **Rahimi, S.**, Lotfollahian, H., Hassanzadeh, M. (2012). Evaluation of Dietary Olive Leaf on Cardiovascular System in Broiler Chickens. Poultry Science Association 101<sup>st</sup> Annual Meeting July 9 - 12 Athens, Georgia, USA.
- 113) Yakhkeshi, S. **Rahimi, S.**, Gharib Naseri, K. (2012). Effect of Medicinal Plant, Antibiotic and Probiotic on Microbial Population, Intestinal Morphology and Performance of Broilers. Poultry Science Association 101<sup>st</sup> Annual Meeting July 9 - 12 Athens, Georgia, USA.
- 114) Mirzadeh, M., **Rahimi, S.**, Mehrbani Yeganeh, H. Yakhkeshi, S. (2012). Effects of different lighting programs in prevention of ascites in different strains of broiler chickens. Poultry Science Association 101<sup>st</sup> Annual Meeting July 9 - 12 Athens, Georgia, USA.
- 115) Saedi, M., **Rahimi, S.**, Shariatmadari, F. (2012). Comparison the effect of medicinal plants on serum lipids and immune system in broiler chicks. Poultry Science Association 101<sup>st</sup> Annual Meeting July 9 - 12 Athens, Georgia, USA.
- 116) Nagizadeh, F; Karimi Torshizi, M.A.; **Rahimi, S.**; Medhi Nabi, M. (2011). Comparison of Nanosilver and some in-feed disinfectants on layer performance, selected intestinal bacteria and villus morphology. 18th European Symposium on Poultry Nutrition. October 31 - November 04, 2011, Çesme – İzmir, Turkey.

- 117) Fayazi, H., **Rahimi, S.**, Kiaei, M. M. (2011). Comparison of probiotic, prebiotic, vaccine and coccidiostat in prevention and control of coccidiosis in broilers. Poultry Science Association 100<sup>th</sup> Annual Meeting July 16-19 St. Louis, Missouri, USA.
- 118) Gharib Naseri, K., **Rahimi, S.**, Rahimi, A., Askari, S. (2011). The effect of probiotic, prebiotic and organic acids on *Campylobacter jejuni* count in cecum and intestinal morphology of broilers. 18th European Symposium on Poultry Nutrition. October 31 - November 04, 2011, Çesme – İzmir, Turkey.
- 119) Gharib Naseri, K., **Rahimi, S.**, Khaki, P. (2011). Effects of medicinal plants, probiotic and organic acids on *Campylobacter* excretion, immune response and serum lipids in broilers. Poultry Science Association 100<sup>th</sup> Annual Meeting July 16-19 St. Louis, Missouri, USA.
- 120) Mirzadeh, M., **Rahimi, S.** (2011). Effect of Different Lighting Programs on Performance of Different broiler Strains. 1<sup>st</sup> National Conference on Animal and Poultry Production Management in Hot Climate. September 7, University of Shahid Bahonar Kerman, Iran.
- 121) Golpour, A., **Rahimi, S.**, Hatamzadeh, M., Mazaheri, M., Mirzade, M. Saeedi, M. Yakhkeshi, S., Askari, S. (2011). The effects of medicinal plants on carcass characteristics, serum lipids and immune system in broilers. 18th European Symposium on Poultry Nutrition. October 31 - November 04, 2011, Çesme – İzmir, Turkey.
- 122) Hoseinyan bilandi, H. **Rahimi, S.**, Jabari, A. Khaki, P., Haghrusta, A., Askari, S. (2011). The effect of probiotic and prebiotic in comparison with antibiotic on controlling necrotic enteritis in *Clostridium perfringens* challenged broilers. 18th European Symposium on Poultry Nutrition. October 31 - November 04, 2011, Çesme – İzmir, Turkey.
- 123) Niknam, A., **Rahimi, S.**, Askari, S., Hoseinzadeh, M., Karimi Torshizi, M. A. (2011). Effect of medicinal plants on protein and lipid oxidation of broilers meat. Poultry Science Association 100th Annual Meeting July 16-19 St. Louis, Missouri, USA.
- 124) Yakhkeshi, S., **Rahimi, S.**, P. Shawrang, P., Askari, S. (2011). Effects of electron-beam irradiation on diet characteristics, intestinal microbial population and morphology, ileal digestibility and performance of broilers. 18th European Symposium on Poultry Nutrition. October 31 - November 04, 2011, Çesme – İzmir, Turkey.
- 125) Yakhkeshi, S. **Rahimi, S.**, Gharib Naseri, K., Askari, S. (2011). Effect of acidifiers on broilers GIT microbial population, intestinal morphology, ileal digestibility and performance. 18th European Symposium on Poultry Nutrition. October 31 - November 04, 2011, Çesme – İzmir, Turkey.
- 126) **Rahimi, S.** Yakhkeshi, S., Gharib Naseri, K., Rahimi, A. (2011). Comparison of herbal extracts, antibiotic, probiotic and organic acid on serum lipids, immune response, GIT microbial population, intestinal morphology and broilers performance. Poultry Science Association 100th Annual Meeting July 16-19 St. Louis, Missouri, USA.
- 127) Yakhkeshi, S., **Rahimi, S.**, Hemati Matin, H. R., Rahimi, A. (2011). Effects of Yarrow (*Achillea millefolium*), antibiotic and probiotic on GIT microbial population, immune response, serum lipids and broilers performance. Poultry Science Association 100th Annual Meeting July 16-19 St. Louis, Missouri, USA.
- 128) Askari, S., **Rahimi, S.**, Niknam, A., Hoseinzade, M., Karimi M. Torshizi, M.A., Asadi, F. (2011). Reducing cholesterol levels in broiler's serum and meat using *Ocimum basilicum*. Poultry Science Association 100th Annual Meeting July 16-19 St. Louis, Missouri, USA.
- 129) Dehgan, S., **Rahimi, S.**, Omid, M. (2011). Strategy of Agriculture Biological Controls. 2<sup>nd</sup> National Conference the Risks and Biosecurity in Iran's Agriculture. July 19-20, Tehran, Iran.
- 130) Kameli, M., **Rahimi, S.** (2011). Biosecurity and Control of Diseases in Poultry Industry. 2<sup>nd</sup> National Conference the Risks and Biosecurity in Iran's Agriculture. July 19-20, Tehran, Iran.
- 131) Seifi, K., Karimi Torshizi, M.A., **Rahimi, S.**, Bagherzadeh Kasmani, F. (2011). Effect of Probiotic Administration on Lipid Oxidation in Japanese quail Meat. 2<sup>nd</sup> International Congress of Food Hygiene, April 30-May 1, Tehran, Iran.
- 132) Seirafi, R., Soltanali Nejad, F., Shahrooz, R., **Rahimi, S.** (2010). Investigation Histochemical Activity of Lipase Enzyme in intestine of broilers fed Butyric Acid and Antibiotic. 16th Iranian Veterinary Congress 2-4 May, Tehran, Iran.
- 133) Seirafi, R., Soltanali Nejad, F., Shahrooz, R., **Rahimi, S.** (2010). Investigation Histochemical Activity of Alkaline Phosphates Enzyme in intestine of broilers fed Butyric Acid and Antibiotic. 16th Iranian Veterinary Congress 2-4 May, Tehran, Iran.
- 134) Rajani, J., Karimi, Torshizi, M. A., **Rahimi, S.** (2010). Control of ascites mortality and improved performance and meat shelf-life feed adjuncts with presumed antioxidant activity in broilers. 14<sup>th</sup> International Conference on Production Diseases in Farm Animals (ICPD). 20-24 June. De Aula-Ghent University, Ghent, Belgium.



- 135) Hosenyani, H., **Rahimi, S.**, Jabari, A. R. (2010). Strategy in Prevention of necrotic enteritis in broiler chickens by using antibiotic alternatives. 4<sup>th</sup> Congress in Animal Science, September 20-21, Karaj, Iran.
- 136) Gharib Naseri, K., **Rahimi, S.**, Khaki, P. (2010). Comparison the effect of probiotic and prebiotic in *Campilobacter jejoni* infection in broiler chickens. 4th Congress in Animal Science, September 20-21, Karaj, Iran.
- 137) Yakhkeshi, S., **Rahimi, S.**, Shorang, P. (2010). Effect of Gamma and Electron Rays on *Escherichia coli* in broiler diet. 4th Congress in Animal Science, September 20-21, Karaj, Iran.
- 138) Yakhkeshi, S., **Rahimi, S.**, Shorang, P. (2010). Effect of Gamma and Electron Rays on *Salmonella enteritidis* in broiler diet. The 3rd National Congress on Nuclear Technology Application in Agricultural and Natural Resource Science. June 8-9, 2010. Karaj, Iran.
- 139) Niknam, A., **Rahimi, S.**, Azimi, J., Moradinejad, M., Hoseinzadeh, M., Seifi, K. (2010). Comparison effect of medicinal plants on performance carcass characteristics and digestive tract of broiler chickens. Scientific Conference on Medicinal plants Industry Development in Iran. February 28 and March 1st 2010. Tehran, Iran.
- 140) Rahmani, M., **Rahimi, S.**, Asadi, F., Yakhkeshi, S. (2010). Comparison effect of garlic, organic selenium and vitamin E on performance and digestive system of broilers. Scientific Conference on Medicinal plants Industry Development in Iran. February 28 and March 1st, 2010. Tehran, Iran.
- 141) Yakhkeshi, S., **Rahimi, S.**, Niknam, A., Hosenyani, H. (2010). Effects of Yarrow (*Achillea millefolium*) Levels on Carcass Characteristics, Serum Lipids and Immune Response of Broilers. XIII<sup>th</sup> European Poultry Conference, Toruce, France.
- 142) Yakhkeshi, S., **Rahimi, S.**, Niknam, A., Hoseinian, H. (2010). Comparison of the Effects of Yarrow (*Achillea millefolium*) with Antibiotic and Probiotic on Performance, GIT Characteristics, Crop and Intestine Microbial Population in Broilers Levels on Carcass. XIII<sup>th</sup> European Poultry Conference, Toruce, France.
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- 247) Nazmi, F.; **Rahimi, Sh.**; Kamali, M.A. and Vaez-Torshizi, R. (2000). Investigation of genetic resistance of Marandi chickens to Newcastle disease. Fifth Iranian Congress of Immunity and Allergy. Tarbiat Modarres University, Tehran, May 17-19.

## RESEARCH PROJECTS:

- 1) Physiological Effects of Overweight and aging on some reproductive and sub-fertility parameters of roosters in broiler breeders flocks. Iran National Science Foundation.
- 2) Investigation the effect of commercial medicinal plant (Immunosupport) in comparison with similar compounds on immune system, intestinal morphology and microflora and performance of broiler chickens. Department of Poultry Science, Tarbiat Modares University, Tehran, Iran.
- 3) Strategies of poultry health and management in Iran. Ministry of Jihad Agriculture, Tehran, Iran.
- 4) Isolation, identification and selection of Lactic acid bacteria for use as probiotic in nutrition of broiler chickens. Department of Poultry Science, Tarbiat Modares University, Tehran, Iran.
- 5) Comparison the effect of commercial probiotics in Iran on performance and intestinal morphology of broiler chickens. Department of Poultry Science, Tarbiat Modares University, Tehran, Iran.
- 6) Investigation the microbial cause of lymphadenitis in Merinos sheep. Faculty of Veterinary Medicine, University of Tehran, Iran.
- 7) Effect of dietary supplementation different levels of XPC to reduce *Campylobacter jejuni* in broiler chicks. Department of Poultry Science, North Carolina State University, Raleigh, NC, USA.
- 8) The effectiveness of Direct-fed microbial and prebiotic on histomorphology of intestine, ultrastructural changes of intestinal mucosa and performance of turkey poult infected with *Salmonella* and *Campylobacter*. Department of Poultry Science, North Carolina State University, Raleigh, NC, USA.
- 9) Effect of Probiotic on Prevention of *Clostridium Perfringens* colonization in poults. Department of Poultry Science, North Carolina State University, Raleigh, NC, USA.
- 10) Effect of probiotic on Prevention of *Salmonella* colonization in poults. Department of Poultry Science, North Carolina State University, Raleigh, NC, USA.
- 11) Scanning and Transmission Electron Microscopic study on pathological effects of PCBs (Aroclor 1254) in the intestinal mucosa of chickens. Department of Animal Science, Michigan State University, E. Lansing, MI, USA.

- 12) Production of *Mycoplasma gallisepticum* antigen. Department of Animal Science, Michigan State University, E. Lansing, MI, USA.

## **TITLE OF THESIS/ DISERTATION SUPERVISED:**

### **Ph.D**

- 1) Physiological effects of overweight and aging on some reproductive and sub-fertility parameters of roosters in broiler breeder flocks
- 2) Production of recombinant vaccine of necrotic enteritis and its immunization from hens to experimental challenged progeny with *Clostridium Perfringens*
- 3) The effect of egg yolk specific antibody to reduce colonization of *Salmonella infantis* in intestine of broiler chickens challenged with this bacterium
- 4) Isolation, culture and characterization of the quail primordial germ cells
- 5) The effect of thermal manipulation during pre and post-hatch on broiler thermo tolerance in finisher period
- 6) Comparison the effect of herbal extract and antibiotic on to reduction colonization of *Salmonella Enteritidis* in laying hens
- 7) Effect of in ovo feeding of carbohydrates on hatchability and performance of ostrich chicks
- 8) The use of pollen, honey, royal jelly and propolis honeybee on performance of Japanese quail
- 9) Effect of rosemary and it's products on performance of poultry
- 10) Screening of isolated bacteriophages from broiler chickens gastrointestinal tract against *Enterococcus faecalis*
- 11) Usage of green florescent protein for tracing probiotic bacteria in alimentary tract and efficacy evaluation of different probiotic administration methods in broilers
- 12) Effect of medicinal plants of garlic and olive leaf usage on growth performance and incidence of ascites syndrome in Arian broilers
- 13) Isolation, identification and selection of probiotic Lactic acid bacteria in nutrition of broiler chickens.
- 14) The effect of strain and nutrition on physiology of respiratory and circulatory systems in Arian broilers, related to Ascites
- 15) Investigation of degrading polysaccharide and straw lignin by Gut bacteria of termites
- 16) Effect of feed restriction on broiler immune system during heat stress
- 17) Evaluation of broiler breeders performance in Tehran Province
- 18) *In vitro* survey on potential of anaerobic fungi of sheep ruminal in fiber degradation

### **MSc.**

- 1) The effect of Sodium Bisulfate and Monensin on Growth Performance and Control of Coccidiosis in Broiler Chickens
- 2) The Effect of Poulk (*Stachys schtschegleevii*) on Performance, Blood Parameters and Immune System of Broiler Chickens
- 3) Effect of specific immunoglobulin of egg yolk (IgY) against *Clostridium perfringens* in broiler chicken
- 4) Effect of antibiotic, probiotic, prebiotic and cocktail of *Bacillus subtilis* on performance of broiler chickens
- 5) Effect of antibiotic, probiotic and prebiotic on prevention of *Campylobacter jejuni* in broiler chickens
- 6) Effect of in ovo feeding on hystomorpholgy of intestine, immune system and growth performance of broilers
- 7) Effect of antibiotic, Original XPC and Lactobacillus on of broiler chickens performance of broilers challenged with *Salmonella infantis*
- 8) Comparison the growth performance and carcass characteristics of commercial broiler strains(ROSS 308, Cobb 500, Hubbard, Arbor Acres Plus) in Iran, in same environmental and nutritional conditions

- 9) Comparison the growth performance and carcass characteristics of commercial broiler strains (ROSS 308, Cobb 500, Hubbard, Arbor Acres Plus) in Iran, according to the company's management guide
- 10) The effect of medicinal plants on broilers performance under heat stress condition
- 11) Human granulocyte colony stimulating factor gene transfection using sperm mediated gene transfer for production of transgenic chickens
- 12) Human FSH hormone gene transfer via sperm and possibility of the production of Leghorn transgenic chickens
- 13) Gene transfer of monoclonal antibody-producer REGEN727 via sperm and the feasibility of production of Leghorn transgenic chickens
- 14) The effect of herbal extract, organic acid and antibiotic application on *Campylobacter jejuni* colonization in broiler chickens intestine
- 15) Comparison of probiotic, prebiotic, antibiotic, organic acid and tragacanth gum in prevention and control of necrotic enteritis in broilers
- 16) Effects of prebiotic and three herbal extracts wild marjoram, wild mint, and chamomile on quantity and quality of egg, intestinal microbial flora and histomorphology in laying hens and Japanese quail
- 17) The effect of probiotic, vitamin E, three herbal extracts: garlic, thyme, and caraway on the quality and quantity of eggs, intestinal microbial flora and histomorphology in laying hens and Japanese quail
- 18) Comparison the effect of *Rosmarinus officinalis L.*, *Salvia officinalis*, propolis, Phytmax cox and antibiotics on blood parameters, immune system, gut morphology and performance of broiler chickens challenged with *E. coli*
- 19) Comparison the effect of *Rosmarinus officinalis L.*, *Thymus vulgaris*, Propolis, probiotic and antibiotic on blood parameters, immune system, gut morphology and performance of broiler chickens challenged with *Salmonella Enteritidis*
- 20) Effect of specific immunoglobulin of egg yolk (IgY) against *E. coli* in broiler chickens
- 21) Effect of specific immunoglobulin of egg yolk (IgY) against *Salmonella Typhimurium* in broiler chickens
- 22) The effect of nanosilver, gamma irradiation, electron beam and Milbound absorbent on aflatoxin in broiler chickens' diet
- 23) The effect of organic acid, probiotic, vaccine and *Echinacea L.* application on *Campylobacter jejuni* colonization in broiler chickens intestine
- 24) The effect of specific egg-derived antibody on reducing colonization of *Campylobacter jejuni* in broiler chickens
- 25) Effects of medicinal plants on growth performance, immune system and blood parameters of broilers
- 26) Effect of different feed sources on the amount of omega-3 fatty acids, egg cholesterol and laying hens performance
- 27) The effect of medicinal and aromatic plants on broiler growth performance and taste of meat
- 28) Comparison the effects of commercial plant medicines on growth performance, immune system and blood parameters of broilers
- 29) Comparison the effect of commercial herbal and chemical medicines on health indexes, blood parameters and improve the respiratory disorders challenged with infectious bronchitis vaccine
- 30) Comparison the effect of different lighting programs on performance of different strains of broiler chickens
- 31) Investigation of microscopic changes of intestinal mucosa of broiler chicks in early feeding
- 32) Production of broiler chickens without using drugs and vaccines
- 33) Survey of broiler health and management in Tehran province, Iran
- 34) The effect of probiotic, prebiotic, coccidiostat and antibiotic growth promoters on controlling *Clostridium perfringens* in challenge model of necrotic enteritis in broilers
- 35) Comparison of gamma and electron beam irradiation with organic acids for decrease microbial contamination of poultry feed and improvement performance of broiler chickens
- 36) Effect of antibiotic, probiotic, prebiotic, organic acids and Sangrovit supplementation in reducing intestinal colonization of *Campylobacter jejuni* in broiler chickens
- 37) Effect of Marine Algae *Sargassum* sp and Vitamin E on broiler chickens performance and oxidative stability of omega-3 enriched meat.
- 38) Comparison of probiotic, prebiotic, vaccine and Coccidiostat in prevention and control of Coccidiosis, in chickens
- 39) The effect of five plants extracts as feed additives on broiler's performance.
- 40) The effect of three commercial extracts as feed additives on broiler performance.
- 41) Comparison of the effect of antibiotic, probiotic, prebiotic and organic acid on performance and immune response of broilers and *E.coli* shedding.



- 42) Omega-3 fatty acids enrichment of chicken meat with vegetable sources.
- 43) N-3 fatty acid enrichment of chicken meat by using marine sources
- 44) The effect of early feeding on blood factors, immune system, pancreatic enzymes and intestinal morphology of broiler chicks.
- 45) Study of probiotic characteristics of three isolates of Lactic acid bacteria *in vitro* and *in vivo* conditions.
- 46) Comparison of the effect of commercial probiotics on performance of broilers and morphology of small intestine.
- 47) The effect of egg derived antibody on prevention of avian influenza H9N2 in layer chicks.
- 48) Evaluation and Comparison of the Effects of Organic Acids and Formaldehyde on Morphology of Intestine and performance of Broilers.
- 49) Evaluation and comparison different methods of early feeding on immune system, growth of digestive tract and performance in broilers.
- 50) The effect of n-3, n-6 polyunsaturated fatty acids and vitamin E on fertility and sperm quality of cockerel
- 51) Investigation the effect of organic acids on microflora and physiology of intestine in broiler chickens
- 52) Prevention of *Salmonella enteritidis* Infection in chicken by using egg IgY antibody.
- 53) The effect of L- Carnitine and soybean oil on broiler breeder fertility, hatchability and quality of males sperm.
- 54) Influence of combined usage of garlic powder, cupric sulfate pentahydrate and flaxseed on immune system function, egg yolk cholesterol concentration and fatty acids composition in laying hens
- 55) Comparison of the productive performance of six commercial broiler strains in Iran.
- 56) Comparison of the ascites in six commercial male broiler strains.
- 57) Comparison of different Omega-3 fatty acid sources for enrichment of egg.
- 58) Effect of probiotic on structure of intestine in broilers.
- 59) Comparison of the effect of probiotic and antibiotic on performance and immune system of broiler chicks
- 60) The microbial factors affecting on fertility and hatchability in ostrich.
- 61) Effect of betaine on epithelial resistance of intestine to coccidiosis and growth performance in broiler chicks
- 62) Evaluation and comparison of natural mating and artificial insemination on broiler breeders
- 63) Effect of different diluents on viability of spermatozoa, fertility and hatchability in broiler breeders
- 64) Study of the effect of different levels of energy and protein on the incidence of ascites in broilers in Iran
- 65) Evaluation of the growth performance of three commercial broilers in Iran
- 66) Comparing biological value of internal and imported DCPs and evaluating their effects on egg shell quality
- 67) Effect of phytase supplementation in broilers diets.
- 68) Genetic analysis of antibody responses of Marandi chicken to Newcastle disease vaccine

## **TITLE OF THESIS/ DISERTATION CO-SUPERVISED:**

### **Ph.D**

- 1) Prevention and amelioration of aflatoxicosis in animal models using immunochemistry techniques
- 2) Effect of cocktail of phages against avian pathogenic *Escherichia coli* colonization in broiler chickens
- 3) Ascites induction in broilers by caffeine and crataegus sp. supplementation for ascites treatment
- 4) Evaluation of nutritional, immunological, histomorphological and microbiological effects of Sumac powder (*Rhus Coriaria L.*) on male broiler chicks
- 5) Investigation of selection objectives and criteria in Baluchi sheep under desert range land conditions
- 6) Estimation of genetic and environmental parameters of production traits and determination a suitable selection criterion in Lori- Bakhtiary sheep breed
- 7) Genetic evaluation of economic traits in Markhoz (Iranian Angora) goats

### **MSc.**

- 1) Comparison the effect of Iranian probiotics on reducing colonization of *Salmonella* Enteritidis in broiler chickens
- 2) Effect of induced mild prefreezing oxidative stress using nitric oxide on sperm quality parameters and fertility potential
- 3) Isolation of bacteriophage against *Salmonella enteritidis* and evaluation of administration methods in Japanese quails

- 4) Comparison of probiotic characteristics of *E. coli* Nissle 1917 with some commercial poultry products
- 5) Effect of feeding camphor levels on Japanese quail
- 6) Effect of broiler diets dilution using rice hulls on performance and ascites incidence
- 7) Application of nanosilver as feed disinfectant on laying hens performance
- 8) Comparison of various methods of probiotic administration on quail growth performance
- 9) Prevention of Aflatoxicosis in Japanese quails using *Satureja khuzistanica* essence
- 10) Comparison of the effect of natural and synthetic antioxidants on ascites syndrome reduction in broiler chickens.
- 11) Evaluation of probiotics characteristics of some commercial poultry probiotics available on Iran's market.
- 12) Effect of different methods of probiotic administration on performance, and intestinal morphology of broiler chickens
- 13) Comparison of various methods of probiotic administration against *Salmonella* infection in broiler chickens.
- 14) Investigation of economy of poultry meat production in Gazvin province
- 15) Study on genetic variation of the markers transferrin (Tf), Ovine Plasminogen Antigen (OPA), vitamin D- binding protein (Gc) of some indigenous Iranian sheep breeds and their impact on the probability of parentage control
- 16) A histopathologic survey on the renal lesions of the chickens submitted to the clinic of Veterinary School, Shiraz university

### **BOOKS PUBLISHED:**

Translation of the following books to Persian (Farsi):

- 1) Nutrition and Feeding of Organic Poultry, by R. Blair, 2008.
- 2) Egg Bioscience and Biotechnology, by Y. Mine, 2008.
- 3) Poultry Health and Management, 4<sup>th</sup> Edition by D. Sainsbury, 2000.
- 4) Ostrich Production Systems, FAO, 1999.
- 5) Comparative Avian Nutrition, by K.C. Klasing, CAB International, 1998.

### **POST GRADUATE COURSES TAUGHT:**

- 1) Poultry Diseases
- 2) Advanced Poultry Viral Diseases
- 3) Metabolic Diseases in Poultry
- 4) Avian Anatomy and Physiology
- 5) Poultry Digestive System Physiology
- 6) Poultry Production Physiology
- 7) Poultry Production and Management
- 8) Anatomy and Physiology of Domestic Animals
- 9) Physiology of Gastrointestinal Tract of Nonruminants
- 10) Animal Immunology
- 11) Domestic Animals Toxicology
- 12) Diseases of Domestic Animals
- 13) Project and Research Methods
- 14) Operating Electron Microscope (TEM & SEM)
- 15) Professional English Language