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Curriculum Vitae: Shaban Rahimi

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ACADEMIC DEGREES:

Sabbatical: University of California Davis, USA, (2006).

Sabbatical: North Carolina State University, USA, (2006-2007 and 2019 - 2020)

Short Term Scholar Program (Summer): North Carolina State University, USA, from 2009 until 2019)

PhD: 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 (from 1989 until now).

2) Research Associate Dean, Faculty of Agriculture, Tarbiat Modares University, Tehran (1994-1997 and 2010 - 2014).

3) Head of Department of Animal and Poultry Science (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 grandparents and parents) 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) Poultry Science
- 2) Journal of Veterinary Research, University of Tehran.
- 3) Iranian Journal of Veterinary Medicine, University of Tehran
- 4) Iranian Journal of Veterinary Research, University of Shiraz
- 5) Journal of Veterinary Research and Biological Products
- 6) Archive Razi Vaccine and Serum Production Research Institute
- 7) Iranian Journal of Animal Science, University of Tehran
- 8) Journal of Animal Production, College of Aboureihan, University of Tehran
- 9) Iranian Journal of Animal Science Research, Ferdowsi University of Mashhad
- 10) Agriculture Science, Islamic Azad University
- 11) Journal of Veterinary Research and Biological Products (Pajouhesh Va Sazandegi, Ministry of Jihad Agriculture)
- 12) Journal of Medicinal Plants, Iranian Institute of Medicinal Plants
- 13) Iranian Journal of Medicinal and Aromatic Plants, Research Institute of Forests and Rangelands
- 14) 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 (Enrichment of Poultry Meat and Egg with Omega-3 Fatty acids, vitamins and minerals)
- 6) Feed Additives in Poultry Production (Using antibiotic alternative feed additives in poultry nutrition such as: Probiotics, Prebiotics, Organic Acids, Medicinal Plants, Enzymes, Bacteriophages, IgY, etc.)

RESEARCH PUBLICATIONS:

- 1) Eskandari, B., **Rahimi, S.**, Karimi Torshizi, M.A., Toliyat, T., Soltani, N., Grimes, J. (2025). Capsulation as a strategy for oral delivery of immunoglobulin Y in broilers challenged with *Escherichia coli* O78:K80. *Journal of Applied Poultry Research*, 34 (4), 100632, <https://doi.org/10.1016/j.japr.2025.100632>
- 2) Eskandari, B., **Rahimi, S.**, Karimi Torshizi, M.A., Soltani, N., (2025). Passive immunization of broiler chickens with different forms of immunoglobulin Y against *Escherichia coli*. *Iranian Journal of Veterinary Research*. (In-Press).

3) Moosavi, M., **Rahimi, S.**, Karimi Torshizi, M.A., Zahraei Salehi, T., and Grimes, J.L. (2025). Comparative Evaluation of IgY Microencapsulation Systems Against *Salmonella* Typhimurium: In Vitro Characterization and In Vivo Effects on Intestinal Health and Growth Performance in Broiler Chickens. *Poultry Science*, (In-Press).

4) Moosavi, M., **Rahimi, S.**, Karimi Torshizi, M.A., Zahraei Salehi, T., Iraadj Ashrafi Tamai, and Grimes, J.L. (2025). In Vitro Evaluation of the Inhibitory Potential of Specific Egg Yolk Antibodies Induced by Different Antigens of *Salmonella* Typhimurium. *Poultry Science*, <https://doi.org/10.1016/j.psj.2025.105934>

5) Moosavi, M., **Rahimi, S.**, Karimi Torshizi, M.A., Zahraei Salehi, T., and Grimes, J.L. (2025). Egg yolk immunoglobulin Y administration on *Salmonella* Typhimurium colonization, intestinal health and growth performance in broiler chickens. *Poultry Science*, <https://doi.org/10.1016/j.psj.2025.105487>

6) Soltani, N., **Rahimi, S.**, Khaki, P., Karimi Torshizi, M.A., Eskandari, B., and Grimes, J.L. (2025). **Efficacy of hyperimmunized egg yolk antibodies (IgY) against *Campylobacter jejuni*: In Vitro and In Vivo evaluations. Poultry Science** 104 (2025) 104718. <https://doi.org/10.1016/j.psj.2024.104718>.

7) Soltani, N., **Rahimi, S.**, Vasheghani-Farahani, E., Eskandari, B., and Grimes, J.L. (2025). Comparative study on encapsulation and sustained release of anti-*Campylobacter jejuni* Immunoglobulin Y Using Various pH-Responsive Beads. *Poultry Science*, <https://doi.org/10.1016/j.psj.2025.105830>

8) Soltani, N., **Rahimi, S.**, Khaki, P. (2025). Effects of a Fermentation-Derived Product and Direct Fed Microbial as Antibiotic Alternative on performance of broiler chickens challenged with *Campylobacter jejuni*. *Iranian Journal of Veterinary Research* (under review).

9) Behnamifar, A., **Rahimi, S.**, Karimi Torshizi, M.A., Sharafi, M., and Grimes, J.L. (2025). Physiological Impacts of Overweight on Semen Parameters and Fertility in Male Broiler Breeders. *Poultry Science*, <https://doi.org/10.1016/j.psj.2025.104904>

10) Samiei, H., **Rahimi, S.**, Karimi Torshizi, M.A., Baghbanzadeh, A., Vaez Torshizi R., Esmaeili, V., and Grimes, J.L. (2025). Effects of L-carnitine and L-arginine on sperm quality and fertility potential of aged broiler breeder roosters. *Poultry Science* 104 (2025) 104803. <https://doi.org/10.1016/j.psj.2024.103596>.

11) Javanmiri, E., **Rahimi, S.**, Karimi Torshizi, M. A., Nabiyan, S., and Grimes, J.L. (2024). Comparison of the effect of anticoccidial drug, probiotic, synbiotic, phytochemicals and vaccine in prevention and control of coccidiosis in broiler chickens challenged with *Eimeria* spp. *Poultry Science* 103:104357. <https://doi.org/10.1016/j.psj.2024.104357>.

12) Shahininejad, H., **Rahimi, S.**, Karimi Torshizi, M. A., Arabkhazaeli, F., Ayyari, M., Behnamifar, A. R., Abuali, M., and Grimes, J.L. (2024). Comparing the effect of phytobiotic, coccidiostat, toltrazuril, and vaccine on the prevention and treatment of coccidiosis in broilers. *Poultry Science*, **Volume 103: 103596**. <https://doi.org/10.1016/j.psj.2024.103596>.

13) Rahimi, M., **Rahimi, S.**, Karimi Torshizi, M.A., Sharafi, M., Masoudi, A.A., and Grimes, J.L. (2024). The effect of peroxisome proliferator-activated receptor gamma (PPAR γ) as a mediator of dietary fatty acids and thiazolidinedione in pulmonary arterial hypertension induced by cold stress of broilers. *Research in Veterinary Science*. Volume 168, March 2024, 105157. <https://doi.org/10.1016/j.rvsc.2024.105157>.

14) Rahimi, M., **Rahimi, S.**, Karimi Torshizi, M.A., Sharafi, M., Masoudi, A.A., and Grimes, J.L. (2023). Peroxisome proliferator-activated receptor gamma (PPAR γ) activation: A potential treatment for ascites syndrome in broiler chickens. *Poultry Science*, Volume 102, Issue 9, September 2023, 102859.

15) Valipouri, A. R., **Rahimi, S.**, Karkhane, A.A., Karimi Torshizi, M.A. Mobarez, A.M. and Grimes, J.L. (2022). Corrigendum to “Immunization of broiler chickens with recombinant alpha-toxin protein for protection against necrotic enteritis” [Journal of Applied Poultry Research Volume 31, Issue 4, December 2022, 100299].

16) Abdoli, F., **Rahimi, S.**, Karimi Torshizi, M.A. (2025). Effects of Ginseng (*Panax ginseng*) and *Tribulus terrestris* on sperm quality and quantity, and fertility in roosters. *Iranian Journal of Medicinal and Aromatic Plants* (In-Press).

17) Arabgol, Sh., **Rahimi, S.** Karimi Torshizi, M.A., Ahmadpour Bijarpas, N., Moshtaghi Nikou, M., Ramezani, M., Pourmohyadini, M., Asgari, M. (2025). Comparison the Effects of Two Probiotics (Produced in Iran) with Antibiotics and Commercial Probiotics on Performance of Broiler Chickens. *Journal of Veterinary Research*, (under review).

18) Graeili, A.H., **Rahimi, S.**, Karimi Torshizi, M.A., Rezaei, H. (2025). The effect of probiotic, prebiotic and enzyme on intestinal morphology and microbiota in broiler chickens. *Journal of Veterinary Research and Biological Products* (In-Press).

19) Ahmadpour Bijarpas, N., **Rahimi, S.**, Karimi Torshizi, M.A., Arabgol, Ramezani, M., Moshtaghi Nikou, M., Asgari, M., Pourmohyadini, M. (2025). Effect of Two Novel Probiotics on Broiler Performance Compared to Antibiotic and Commercial Probiotics. *Journal of Veterinary Research*, Vol. 80, Number 2, Pages: 61-73, (<https://doi.org/10.22059/jvr.2024.380329.3454>).

20) Eivakpour, A., Karimi Torshizi, M.A., **Rahimi, S.**, Moravej, H. (2025). Unlocking phage against *Enterococcus sp.* as a lipid emulsification modifier and antibiotics growth promotor alternative. *Journal of Animal Science* (In-Press).

21) Asgharian, N., Karimi Torshizi, M.A., Mojgani, N., **Rahimi, S.**, and Ebrahimi M.M. (2025). Assessing the impact of a multi strain probiotic supplement on specific pathogen free chickens following Newcastle disease vaccination. *Journal of Applied Poultry Research*, <https://doi.org/10.1016/j.japr.2025.100549>

22) Gholipour-Shoshod, A., **Rahimi, S.**, Zahraei Salehi, T., Karimi Torshizi, M.A., Behnamifar, Ebrahimi, T., Valizadeh, M., Ganjpoor, F. (2023). Evaluating the Competitiveness of Medicinal Plants with Antibiotics to Control *Salmonella Enterica* Serovar *Typhimurium* in Broiler Chickens. *Iranian Journal of Veterinary Medicine*, 17(2):155-166

23) Vosoogh Sharifi, O., Karimi Torshizi, M. A., **Rahimi, S.**, Dalimi Asl, A.H., Raei, H. (2022). Strain differences in the effect of dietary supplementation of *Aspergillus niger* cultures (in protein reduced diets) on performance, plasma biochemistry, and meat lipid oxidation of broilers. *Animal Production Science*, 63(2), 142–151. doi:10.1071/AN22142.

24) Farrokhi, Z., Sharafi, M., Hezavehei, M., Torabi,A., Shahverdi, M., Rahimi, S. (2023). The Effects of Glycerophospholipid Nanomicelles on the Cryotolerance in the Frozen–Thawed Rooster Sperm. Biopreservation and Biobanking Published Online: 13 Jan 2023 <https://doi.org/10.1089/bio.2022.0135>.

25) Kalani, M., **Rahimi, Sh.** Zahraei Salehi, T, Hajiaghaei, R. and Behnamifar, A. (2022). Comparison the effects of probiotic and prebiotic as antibiotic alternatives on *Salmonella* colonization, performance, and egg quality in laying hens challenged with *Salmonella enterica* serotype Enteritidis. Iranian Journal of Veterinary Research, Shiraz University. Iranian Journal of Veterinary Research, Shiraz University, Vol. 23, No. 2, Ser. No. 79, Pages 154-162.

26) Atabak, A. H., Karimi Torshizi, M.A., **Rahimi, S.** (2021). Effect of supplementing different levels of alkaline hydrolyzed feather meal and dried corn steep liquor on performance and anti-oxidation indices of broiler chicken. Iranian Journal of Animal Science Vol 52, No 3 (203-215).

27) Rahimi, M., **Rahimi, S.**, Sharafi, M., Shahverdi, A., and Grimes J. L. (2021). The Effect of Methyl-beta-cyclodextrin on DNA absorption and quality of post-transfected sperm. Poultry Science 100: <https://doi.org/10.1016/j.psj.2021.101058>.

28) Khodaparast, D., Karimi Torshizi, M.A., **Rahimi, S.** (2021). Effect of Feather meal on performance and lipid oxidation of meat and egg in quails. Animal Science Journal (Pajouhesh and Sazandeghi) [Volume 33, Number 129](#); Page(s) 87 To 100.

29) Talghari, T, Behnamifar, B., **Rahimi, S.**, Karimi Torshizi, M.A., Grimes, J. and Beckstead, R. (2020). The effect of sodium bisulfate and coccidiostat on intestinal lesions and growth performance of *Eimeria* spp. challenged broilers. Poultry Science 99: 4769-4775.

30) Chadwick, E., **Rahimi, S.**, Grimes, J., Pitts, J. and Beckstead, R. (2020). Sodium bisulfate feed additive aids broilers in growth and intestinal health during a coccidiosis challenge. Poultry Science 99:5324–5330.

31) Mohammadzadeh, Z., **Rahimi, S.**, Karimi Torshizi, M.A., Behnamifar, B. (2020). Effect of Prebiotic and Chamomile, Oregano, and Marjoram Extracts on Laying Performance, Blood Parameters, and Intestinal Histomorphology in Laying Hens in the Late Phase of Production. Journal of Animal Production Vol. 22, NO 4: 583-593.

32) Behnamifar, A., **Rahimi, S.**, Karimi Torshizi, M.A., Sharafi, M., Grimes, J. (2020). Effects of Dietary Alpha-Lipoic acid supplementation on the seminal parameters and fertility potential in aging broiler breeder roosters. Poultry Science, 100: 1221-1238.

33) Behnamifar, A., **Rahimi, S.**, Akhavizadegan, M.A., Karimi Torshizi, M.A., Maleki, A. (2020). Isolation and identification of microorganisms in eggs of a commercial ostrich breeder farm. Journal of Animal Science and Research Vol.4 Issue 3: 1-6.

34) Behnamifar, A., Bernal,y. B., Torres,y. O., Luis-Chincoya, H., Gil,y. M. G., García-Casado,x. P., **Rahimi, S.**, Woelders,H., and Santiago-Moreno, J. (2021). Evaluation of two methods for adding cryoprotectant to semen and effects of bovine serum albumin on quality characteristics of cryopreserved rooster spermatozoa. Poultry Science 100: <https://doi.org/10.1016/j.psj.2021.101093>

35) Kalani, M., **Rahimi, S.**, Zahraei Salehi, T., Hagiaghaei, R. (2020). Effect of Savory and Ajwain essential oils on performance and egg quality on laying hens challenged with *Salmonella* Enteritidis. Journal of Animal Production Vol. 23, NO 1: 109-120.

36) **Rahimi, S.**, Grimes, J., Kathariou, S., Fletcher, O. (2019). Effect of a direct-fed microbial and prebiotic on performance and intestinal histomorphology of turkey poulets challenged with *Salmonella* and *Campylobacter*. *Poultry Science* 98: 6572-6578.

37) **Rahimi, S.**, Grimes, J., Kathariou, S., Fletcher, O. (2020). The effectiveness of a dietary direct fed microbial and mannan oligosaccharide on ultrastructural changes of intestinal mucosa of turkey poulets infected with *Salmonella* and *Campylobacter*. *Poultry Science* 99: 1135-1149.

38) Hatamzade, N., **Rahimi, S.**, Rasaee, M. J., Karimi Torshizi, M. A., Salehi Zahraei, M.T., Grimes, J. (2020). The effect of capsulated and non-capsulated egg-yolk-specific antibody to reduce colonization in the intestine of *Salmonella enterica* subsp. *enterica* serovar *Infantis* challenged broiler chickens. *Poultry Science* 99: 1387-1394.

39) Shirzadi, H., Shariatmadari, F., Karimi Torshizi, M. A., **Rahimi, S.**, Masoudi, A. A., Zaboli, G.R., 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*. <http://doi.org/10.1080/1745039x.2019.1693860>

40) Behnamifar, A.R., **Rahimi, Sh.**, Karimi Torshizi, M.A. Mohamadzadeh, Z. (2018). Effect of Chamomile, Wild Mint and Oregano Herbal Extracts on Quality and Quantity of Eggs, Hatchability, and Some Other Parameters in Laying Japanese Quails. *Journal of Medicinal Plants and Byproducts* Vol.7 (No. 2). Pages: 173-180.

41) Behnamifar, A.R., **Rahimi, Sh.**, Kiaei, M.M. and Fayazi, H. (2019). Comparison the effect of probiotic, prebiotic, salinomycin and vaccine in control of coccidiosis in broiler chickens. *Iranian Journal of Veterinary Research*, Vol. 20, No. 1, Ser. 66, pages: 51-54.

42) Naghizadeh, M., Karimi Torshizi, M. A., **Rahimi, S.**, (2018). In vivo comparison of the efficacy of a cocktail phage and a single phage against severe colibacillosis in quails. *British Poultry Science*.

43) Naghizadeh, M., Karimi Torshizi, M. A., **Rahimi, S.**, Engberg, R.M. (2019). Effect of serum anti-phage activity on colibacillosis control by repeated phage therapy in broilers. *Veterinary Microbiology* 234: 61-71.

44) Naghizadeh, M., Karimi Torshizi, M. A., **Rahimi, S.**, Dalgaard, A. (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: 653-663.

45) Arak, H., Karimi Torshizi, M.A., Hedayati, M. **Rahimi, S.** (2019). The first in-vivo application of synthetic polymers based on methacrylic acid as an aflatoxin sorbent in an animal model. *Mycotoxin Research* 166: 66-75.

46) Arak, H., Karimi Torshizi, M. A., Hedayati, M., **Rahimi, S.** (2020). The efficiency of synthetic polymers to ameliorate the adverse effects of Aflatoxin on plasma biochemistry, immune responses, and hepatic genes expression in ducklings. *Toxicon*, **187**: 136–143. doi: 10.1016/j.toxicon.2020.08.033

47) Seifi, K., Karimi Torshizi, M. A., **Rahimi, S.** (2018). The Investigation of Different Patterns of In-feed or In-water Probiotics Administration Methods on Performance, Small Intestinal Morphology and SRBC-reactive Immune responses of Japanese Quail. *Polish Journal of Natural Sciences*, Vol 33(2): 327-340.

48) Zamani, A., Shariatmadari, F., **Rahimi, S.**, Karimi, M. A. (2019). Effects of *in ovo* injection of carbohydrates, β -Hydroxy- β -Methylbutyrate and vitamins on ostrich

organ weight, bone characteristics and small intestinal morphology. Canadian Journal of Animal Science 99: 116- 122.

49)Noorani, M., **Rahimi, S.**, Shahverdi, A.H., Sharafi, M. (2018). Cloning of human chorionic gonadotropin beta subunit for rooster sperm mediated gene transfer. Journal of Animal Production, Vol. 20, No.2 Pages: 203-212.

50)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).

51)Feyzi, S., Sharafi, M., **Rahimi, S.** (2018). Stress preconditioning of rooster semen before cryopreservation improves fertility potential of thawed sperm. Poultry Science, 97: 2582-2590.

52)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).

53)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: 29-39.

54)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 Vol. 19 NO. 3 Pages: 685-696.

55)Yakhkeshi, S., **Rahimi, S.**, Sharafi, M., Hassani, N., Taleahmad, S., Shahverdi, A. H., Baharvand, H. (2018). In Vitro Improvement of Quail Primordial Germ Cell Expansion through Activation of TGF-beta Signaling Pathway. Journal of Cellular Biochemistry 119:4309–4319.

56)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 Nutrion. (Proof).

57)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.

58)Mahdavian, AR., Minaei, S., Almasganj, F., **Rahimi, S.**, Yang, C., Marchetto, P. M., (2017). Potential application of sound processing techniques for poultry health monitoring. Elixir International Journal Vol. 111: 48596-48600

59)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.

60)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.

61)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.

62) 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.

63) 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.

64) 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.

65) 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.

66) 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.

67) 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. 32 (5): 795-806.

68) 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.

69) 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.

70) 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.

71) 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.

72) 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.

73) 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.

74) 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).

75)Rezaei, M., **Rahimi, S.**, Chizari, A. H., (2015). Survey on broiler health and management in Tehran Province. Animal Science Journal (Pajouhesh & Sazandeghi). Vol. 108:

76)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.

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- 1) Moosavi, M., **Rahimi, S.**, Zahraei Salehi, Karimi Torshizi, M.A. (2025). In Vito evaluation of different doses of specific egg yolk antibodies against *Salmonella Typhimurium* in inhibiting bacterial growth. 9th International Veterinary Poultry Congress. February 12-13, 2025, Tehran, Iran.
- 2) Soltani, N., **Rahimi, S.**, Khaki, P., Karimi Torshizi, M.A. (2025). Effect of Immunoglobulin Y on the immune system of broiler chickens challenged with *Campylobacter jejucni*. 9th International Veterinary Poultry Congress. February 12-13, 2025, Tehran, Iran.

- 3) Soltani, N., **Rahimi, S.**, Khaki, P., Karimi Torshizi, M.A. (2025). Effect of Immunoglobulin Y on reducing intestinal colonization of *Campylobacter jejuni* and improving growth performance of broiler chickens challenged with this bacterium. 9th International Veterinary Poultry Congress. February 12-13, 2025, Tehran, Iran.
- 4) Samiei, H., **Rahimi, S.**, Baghbanzadeh, A., Karimi Torshizi, M.A. (2025). Investigating the immune response and blood parameters of male broiler breeders in flocks fed with L-Carnitine and L-Arginine supplements. 9th International Veterinary Poultry Congress. February 12-13, 2025, Tehran, Iran.
- 5) **Rahimi, S.**, Ebrahimi, T., Ehtesham, H. (2025). Application of Artificial Intelligence in the Livestock and Poultry Industries. 9th International Veterinary Poultry Congress. February 12-13, 2025, Tehran, Iran.
- 6) Eskandari, B., **Rahimi, S.**, Karimi Torshizi, M.A. (2025). Impact of egg yolk antibody on immune function of chickens challenged with *Escherichia coli* O78. 9th International Veterinary Poultry Congress. February 12-13, 2025, Tehran, Iran.
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- 9) Graeili, A.H., **Rahimi, S.**, Karimi Torshizi, M.A. (2025). The effect of probiotics, prebiotics and enzymes on intestinal morphology and intestinal microbiota of broiler chickens. 9th International Veterinary Poultry Congress. February 12-13, 2025, Tehran, Iran.
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- 11) Rezaei, H., **Rahimi, S.**, Karimi Torshizi, M.A., Graeili, A.H. (2024). Comparison the effect of antibiotic, phytobiotic, organic acid and bacteriophage on performance of broiler chickens. 15th International Conference of Agricultural Science, Environment, Urban and Rural Development. July 19, 2024. Tehran, Iran.
- 12) Eskandari, B., **Rahimi, S.** (2023). Using the laying hens model in ovarian cancer studies. 10th National and 2nd International Congress of Animal Science, University of Tehran, August 30-31. Karaj, Alborz, Iran.
- 13) Shahinnejad, H., **Rahimi, S.**, Arabkhazaeli, F., Karimi Torshizi, M. A., Behnamifar, A., and Abuali, M. (2023). Comparison of the Effects of Phytobiotic, Coccidiostat, Toltrazuril, and Vaccine on the Prevention of Coccidiosis in Broiler Chickens. 10th National and 2nd International Congress of Animal Science, University of Tehran, August 30-31. Karaj, Alborz, Iran.
- 14) Ebrahimi, T., **Rahimi, S.**, Ayyari Noushabadi, M., Karimi Torshizi, M.A., Behnamifar, A., Yazdani, D., Ramezani, M., and Moshtaghi Nikou, M. (2023). Evaluation of the effect of antibiotic and phytobiotic on blood

parameters of broilers challenged with *E.coli*. 10th National and 2nd International Congress of Animal Science, University of Tehran, August 30-31. Karaj, Alborz, Iran.

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37) Rahimi, M., **Rahimi, S.**, Shahverdi, A.H., Sharafi, M. (2018). Transfection of human granulocyte colony stimulating factor gene via sperm for production of transgenic chickens using artificial insemination. 6th International Veterinary Poultry Congress. February 27-March 1. Tehran, Iran.

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47) Soltani, N., **Rahimi, S.**, Khaki, P. (2017). Effect of antibiotic, probiotic and prebiotic on humoral immune system of broiler chickens challenged with

Campylobacter jejuni. 4th National Seminar in Livestock husbandry and Management. Sep. 5th, 2017. Shahid Bahonar University, Kerman, Iran.

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49) Dadkhodazadeh, F., **Rahimi, S.**, Mohabbati, Mobarez, A. (2017). Investigation the effect of Egg Antibody on the Performance in Broiler Chickens. 5th International Conference on New Ideas in Agriculture, Environment and Tourism, Tehran, Iran, June 1st.

50) Bazgir, S., **Rahimi, S.**, Shahverdi, A.H., Sharafi, M. (2017). Cloning and Transfection of human follicle stimulating hormone gene via rooster sperm. PSA Annual Meeting, Orlando, Florida, U.S.A. July 17 - 20.

51) Hamidi, M. **Rahimi, S.**, Mojgani, N. (2017). Comparison Effect of antibiotic, probiotic, prebiotic, phytobiotic and *Bacillus subtilis* on broiler performance. FFC's 2^{1st} International Conference on Expo and Functional Foods, Functional Foods and Bioactive Compounds in Health and Disease: Science and Practice, March 25-26, 2017, San Diego, Convention Center, San Diego, CA, USA.

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53) Noorani, M., **Rahimi, S.**, Shahverdi, A. H., Sharafi, M. (2017). Cloning of human chorionic gonadotropin beta subunit in gene transfer via sperm rooster. The 3rd International Congress on Reproduction, Tehran, Iran. May 21-22.

54) Zaboli, G. R., **Rahimi, S.**, Shariatmadari, F., Baghbanzadeh, A., Karimi Torshizi, M. A. (2017). Thermal manipulation during pre and post-hatch on thermos tolerance of male broiler chickens exposure to chronic heat stress. International Poultry Scientific Forum. Georgia World Congress Center, Atlanta, Georgia, January 30-31, 2017.

55) Mahdavian, AR., Minaei, S., Almasganj, F., **Rahimi, S.**, Yang, C., Marchetto, P. M., (2016). Bioacoustics as new approach for monitoring of poultry health condition. ASABE Annual International Meeting, Florida.

56) Mahdavian, AR., Minaei, S., Almasganj, F., **Rahimi, S.**, Yang, C., Marchetto, P. M., (2016). Healthy and unhealthy broiler chicken call extraction using energy and entropy biased features. ASABE Annual International Meeting, Florida.

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59) Zaboli, G. R., **Rahimi, S.**, Shariatmadari, F., Baghbanzadeh, A., Karimi Torshizi, M. A., Kamely, M. (2016). Effect of thermal manipulation in pre and post hatch on thermotolerance in male broiler chickens subjected to chronic heat stress. Seventh Congress of Iranian Animal Science, College of Agriculture, University of Tehran, September 7 - 8, 2016.

60) Hamidi, M. **Rahimi, S.**, Mojgani, N. (2016). Comparison effect of probiotic, Bacillus, Bactocell, prebiotic, and antibiotic on broiler performance. Seventh Congress of Iranian Animal Science, College of Agriculture, University of Tehran, September 7 - 8, 2016.

61) Hamidi, M. **Rahimi, S.**, Mojgani, N. (2016). Comparison effect of probiotic, prophyt, phytobiotic, prebiotic, and antibiotic on broiler performance. Seventh Congress of Iranian Animal Science, College of Agriculture, University of Tehran, September 7 - 8, 2016.

62) Moradi, Z., Karimi Torshizi, M. A., **Rahimi, S.** (2016). Comparison the effect of some indigenous and imported probiotics on the performance of Japanese quail. Seventh Congress of Iranian Animal Science, College of Agriculture, University of Tehran, September 7 - 8, 2016.

63) Arak, H., Karimi Torshizi, M. A., **Rahimi, S.** (2016). Evaluation of the small intestine morphological changes of quail fed with aflatoxin contaminated diet and determination the efficacy of a commercial toxin binder (Polysorb). Seventh Congress of Iranian Animal Science, College of Agriculture, University of Tehran, September 7 - 8, 2016.

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66) Moradi, Z., Karimi Torshizi, M. A., **Rahimi, S.** (2016). The effect antibiotic and some probiotics on the blood biochemical parameters of Japanese quail. Seventh Congress of Iranian Animal Science, College of Agriculture, University of Tehran, September 7 - 8, 2016.

67) Feyzi S, Sharafi, M., **Rahimi, Sh.** (2016). Beneficial Effects of L-Argentine on Frozen-thawed Fertility of Rooster Sperm. 17th Royan International Congress on Reproductive Biomedicine, August 31st to September 2nd, 2016. Tehran, Iran.

68) Montazeri, H., **Rahimi, S.**, Karimi Torshizi, M. A., (2017). Comparison internal organs relative weight in two hybrid of broilers. The First National and International Conference of Livestock Sciences, Sustainable Agriculture and Agricultural, Transformational industries in Iran. Tehran, Iran, January 19, 2017.

69) Sedaghat,A., Karimi Torshizi, M. A., **Rahimi, S.** (2016). Camphor (*Cinnamomumcamphora*) as an effective molecule for enhancing the fertility and hatching fertile eggs. Poultry Science Annual Meeting, New Orleans, Louisiana, July 11-14.

70) Abbasi, O., **Rahimi, S.**, Sefidkon, F. (2016). Effect of dietary supplementation of sage extract hyssop and hathom on broiler growth performance. Poultry Science Annual Meeting, New Orleans, Louisiana, July 11-14.

71)Rahimi, A., Charkhkar, S., Bahonar, A. R., **Rahimi, S.**, Ebrahimi, H. (2016). Serological monitoring of broiler breeders in Tehran Province against avian influenza. Poultry Science Annual Meeting, New Orleans, Louisiana, July 11-14.

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73)Rahimi, A., Charkhkar, S., Bahonar, A. R., **Rahimi, S.**, Ebrahimi, H. (2016). Serological monitoring of broiler breeders in Tehran Province against Infectious bronchitis. Poultry Science Annual Meeting, New Orleans, Louisiana, July 11-14.

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76) Rahimi, M., **Rahimi, S.**, Shahverdi, A. H., Sharafi, M. (2016). Transfection of human granulocyte colony stimulating factor gene via sperm for production of transgenic chickens using artificial insemination. Poultry Science Annual Meeting, New Orleans, Louisiana, July 11-14.

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79)Noorani, M., **Rahimi, S.**, Shahverdi, A. H., Sharafi, M. (2016). Human Chronic gonadotropin gene transfection using sperm for production of transgenic chickens by artificial insemination. Poultry Science Annual Meeting, New Orleans, Louisiana, July 11-14.

80)Zamani, A., Shariatmadari, F., **Rahimi, S.**, Karimi Torshizi, M. A. (2016). Effects of in ovo injection of carbohydrate, vitamin D3, vitamin B6, and β -hydroxy- β -methylbutyrate on body weight and intestinal development of ostrich chicks. Poultry Science Annual Meeting, New Orleans, Louisiana, July 11-14.

81)**Rahimi, S.**, Arak, H. (2015). Use of specific egg antibody (IgY) in prevention and treatment of some diseases in human and animals. First National Congress on Advanced Research in Animal Science (Environmental Stress). May 27-28, Birjand University, Iran.

82)Rahimi, M., Shahverdi, A., **Rahimi, S.**, Esmaeili, V., Norani, M., Bazgir, S., Heydari, E. (2015). Transgenic poultry as biosystem producers of recombinant proteins. International Congress in Reproduction, May 23-25. Tehran, Iran.

83)Bazgir, S., Shahverdi, A., **Rahimi, S.**, Esmaeili, V., Rahimi, M., Norani, M., Heydari, E. (2015). Reproductive and genetic improvement performance of

poultry by using artificial insemination technology. International Congress in Reproduction, May 23-25. Tehran, Iran.

84)Norani, M., **Rahimi, S.**, Shahverdi, A H., Sharafi, M., Esmaeili, V, Rahimi, M., Bazgir, S. (2015). Cryopreservation of rooster semen using hand-made Cryopreservation media supplemented with different Cryoprotectants. The 16 th Royan International Congress on Reproductive Biomedicine. Sep. 3-5 Tehran.

85)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.

86)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 4th National Congress on Nuclear Technology in Agricultural & Natural Recourse Sciences. Nuclear Science and Technology Research Institute, Agriculture Nuclear Center, Karaj, Iran, May 19– 20.

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88)Soleymani, M., R., Ziae, 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.

89)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*, 6th National Congress of Iran's Animal Science. August 27 – 28, Tabriz, Iran.

90)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. 6th National Congress of Iran's Animal Science. August 27 – 28, Tabriz, Iran.

91)Soleymani, M., R., Chaab, K., **Rahimi, S.**, Ziae, 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.

92)Soleymani, M. R., **Rahimi, S.**, Jabbari, A. R. (2014). Effect of gum tragacanth, organic acid, probiotic, prebiotic and antibiotic on cecal microflora of broilers challenged with *Clostridium perfringens*. August 27 – 28, Tabriz, Iran.

93)Caba, 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.

94)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.

95)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.

96) **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 poulets infected with *Salmonella* and *Campylobacter*. 2014. Symposium on GUT Health in Production of Food Animals. St. Louis, MO, Nov. 10 – 12.

97) **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.

98) Khaleghi Miran, N., Karimi Torshizi, M. A., **Rahimi, S.**, Bassami, M. R., Babaei. S. (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.

99) Babaei, S., **Rahimi, S.**, Karimi Torshizi, M. A., Khaleghi Miran, N., Nehzati, GA., Razmgah, N. (2014). Effect of propolis, honey, royal jelly and bee pollen on the growth performance and blood parameters of quail (*Coturnix coturnix japonica*). 2014 PSA Annual Meeting. Corpus Christi, July 14-17, 2014. Texas A&M University.

100) Ebrahimi, H., **Rahimi, S.**, Khaki, P., Sajadi, G., Rahimi, A., Naghizadeh, M. (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.

101) Behnamifar, A. R., **Rahimi, S.**, Karimi Torshizi, M. A., Mohammadzadeh, Z., Rahimi, A. (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.

102) Kamely, M., Karimi Torshizi, M. A., **Rahimi, S.** (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.

103) Varmaghany, S., **Rahimi, S.**, Karimi Torshizi, M. A., Lotfollahian, H. and Hassanzadeh, M., Hemati Matin, H., Rahimi, A. (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.

104) 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). 4th International Veterinary Poultry Congress. Feb. 16-17, 2014, Tehran, Iran.

105) 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. 4th International Veterinary Poultry Congress. Feb. 16-17, 2014, Tehran, Iran.

106) Ahmadi, M., Karimi Torshizi, MA, **Rahimi, S.** (2014). Evaluation of bacteriophage administration methods against *Salmonella enteritidis* in Japanese quail. 4th International Veterinary Poultry Congress. Feb. 16-17, 2014, Tehran, Iran.

107) Ahmadi, M., Karimi Torshizi, MA, **Rahimi, S.** (2014). The effect of bacteriophage on bacterial enumeration of Japanese quail ileal contents. 4th International Veterinary Poultry Congress. Feb. 16-17, 2014, Tehran, Iran.

108) Ibrahimi, H., **Rahimi, S.**, Khaki, P. (2014). The effect of probiotic, organic acids and medicinal plant on immune system and gastrointestinal microflora in broilers challenged with *Campylobacter jejuni*. 4th International Veterinary Poultry Congress. Feb. 16-17, 2014, Tehran, Iran.

109) 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. 3rd National Congress on Medicinal Plants. May 14-15, 2014. Ferdowsi University, Mashhad, Iran.

110) Taher, M., **Rahimi, S.**, Karimi Torshizi, M. A., Ashori, A. (2014). Comparison the effects of Rosemary and Thyme extracts, Propolis, antibiotic and probiotic on serum lipid concentrations of broilers challenged with *Salmonella enteritidis*. 3rd National Congress on Medicinal Plants. May 14-15, 2014. Ferdowsi University, Mashhad, Iran.

111) Ashori, A., **Rahimi, S.**, Karimi Torshizi, M. A., Taher, M. (2014). Comparison the effect of Rosmarinus, Salvia, propolis, coccidiostat, and antibiotic on serum lipid concentrations of broiler chickens challenged with *E. coli*. 3rd National Congress on Medicinal Plants. May 14-15, 2014. Ferdowsi University, Mashhad, Iran.

112) Mohammadzadeh, Z., **Rahimi, S.**, Karimi Torshizi, M. A. (2014). Effect of probiotic and herbal extracts (Wild marjoram, Wild mint and Chamomile) on serum lipid concentrations of laying hens. 3rd National Congress on Medicinal Plants. May 14-15, 2014. Ferdowsi University, Mashhad, Iran.

113) **Rahimi, S.** (2014). Strategies for finding alternatives to antibiotics. 4th International Veterinary Poultry Congress. Feb. 16-17, 2014, Tehran, Iran.

114) **Rahimi, S.** (2013). Agriculture Biosafety. National Conference of Biosecurity in Agriculture. Nov. 2013. Gheshm Island, Iran.

115) **Rahimi, S.**, Arak, H. (2013). Biosafety in Poultry Industry. National Conference of Biosecurity in Agriculture. Nov. 2013. Gheshm Island, Iran.

116) 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.

117) Taher, M., **Rahimi, S.**, Karimi Torshizi, M. A., Ashori, A. (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.

118) Ashori, A., **Rahimi, S.**, Karimi Torshizi, M. A., Taher, M. (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.

119) Hashemzadeh, F., **Rahimi, S.**, Karimi Torshizi, M. A. and Rahimi, A. (2013). Evaluation of different probiotic administration methods by using

labeled probiotic bacteria in broilers. Poultry Science Association 102nd Annual Meeting. July 22-25, 2013. San Diego, California.

120) Hashemzadeh, F., **Rahimi, S.**, Karimi Torshizi, M. A., and Masoudi, A. A. (2013). Efficacy evaluation of different probiotic administration methods by using labeled probiotic bacteria in broilers. Poultry Science Association 102nd Annual Meeting. July 22-25, 2013. San Diego, California.

121) Varmaghany, S., **Rahimi, S.**, Karimi Torshizi, M. A. Lotfollahian, H., and Hassanzadeh, M. (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 102nd Annual Meeting. July 22-25, 2013. San Diego, California.

122) Radboy, O., **Rahimi, S.**, Karimi Torshizi, M. A., and Rahimi, A. (2013). Broiler Production without medication and vaccination. Poultry Science Association 102nd Annual Meeting. July 22-25, 2013. San Diego, California.

123) 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 102nd Annual Meeting. July 22-25, 2013. San Diego, California.

124) Sajadi, G., **Rahimi, S.**, Khaki, P. and Ibrahimi, H. (2013). The effect of IgY and vaccine on reducing *C. jejuni* in intestine of broilers. Poultry Science Association 102nd Annual Meeting. July 22-25, 2013. San Diego, California.

125) Omidi, 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 102nd Annual Meeting. July 22-25, 2013. San Diego, California.

126) 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 102nd Annual Meeting. July 22-25, 2013. San Diego, California.

127) Ashori, A., **Rahimi, S.**, Karimi Torshizi, M. A. (2013). Comparative effect of *Rosmarinus officinalis* L., *Salvia officinalis*, propolis, Phytoextract 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.

128) 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.

129) 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.

130) 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.

131) Darabi, L., **Rahimi, S.**, Karimi Torshizi, M. A., Zahraei Salehi, T. (2013). Effect of specific immunoglobulin of egg yolk (IgY). Against *Salmonella Typhimurium* inn broiler chickens. National Conference of Animal and Poultry Sciences in North of Iran. May 2013. Sari Agriculture and Natural Resources Sciences University.

132) 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.

133) 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.

134) 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.

135) Arak, H., Karimi Torshizi, M. A., **Rahimi, S.** (2013). Investigation of possible anti-aflatoxicosis properties of savory essential oil. 2nd National Congress on Medicinal Plants 15-16 May 2013. Shahid Beheshti University, Tehran, Iran.

136) Hashemzadeh, F., Karimi Torshizi, M. A., **Rahimi, S.** (2012). Effect of *Lactobacillus plantarum* injection in embryonated eggs on intestine morphology of broilers. 1st National Conference of Sustainable development in Agriculture, Natural Resources and Environment. Tehran, Iran.

137) **Rahimi, S.**, Hashemzadeh, F. (2012). Using Probiotics in Poultry Nutrition. National Congress of Probiotic and Functional Foods. Tehran, Iran. Nov. 2012.

138) Saeedi, 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 101st Annual Meeting July 9 - 12 Athens, Georgia, USA.

139) Karimi, B., **Rahimi, S.**, Omidi, 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 101st Annual Meeting July 9 - 12 Athens, Georgia, USA.

140) Sayrafi, R., Shahrooz, R., Soltanlinejad, 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.

141) 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 101st Annual Meeting July 9 - 12 Athens, Georgia, USA.

142) 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 101st Annual Meeting July 9 - 12 Athens, Georgia, USA.

143) 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 101st Annual Meeting July 9 - 12 Athens, Georgia, USA.

144) 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 101st Annual Meeting July 9 - 12 Athens, Georgia, USA.

145) 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 101st Annual Meeting July 9 - 12 Athens, Georgia, USA.

146) Mirzadeh, M., **Rahimi, S.**, Saeedi, 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 101st Annual Meeting July 9 - 12 Athens, Georgia, USA.

147) 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 101st Annual Meeting July 9 - 12 Athens, Georgia, USA.

148) 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 101st Annual Meeting July 9 - 12 Athens, Georgia, USA.

149) 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 101st Annual Meeting July 9 - 12 Athens, Georgia, USA.

150) Saeedi, M., **Rahimi, S.**, Shariatmadari, F. (2012). Comparison the effect of medicinal plants on serum lipids and immune system in broiler chicks. Poultry Science Association 101st Annual Meeting July 9 - 12 Athens, Georgia, USA.

151) 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 – Ðzmir, Turkey.

152) 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 100th Annual Meeting July 16-19 St. Louis, Missouri, USA.

153) 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 – Dżmir, Turkey.

154) 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 100th Annual Meeting July 16-19 St. Louis, Missouri, USA.

155) Mirzadeh, M., **Rahimi, S.** (2011). Effect of Different Lighting Programs on Performance of Different broiler Strains. 1st National Conference on Animal and Poultry Production Management in Hot Climate. September 7, University of Shahid Bahonar Kerman, Iran.

156) 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 – Dżmir, Turkey.

157) 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 – Dżmir, Turkey.

158) 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.

159) 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 – Dżmir, Turkey.

160) 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 – Dżmir, Turkey.

161) **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.

162) 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.

163) Askari, S., **Rahimi, S.**, Niknam, A., Hoseinzadeh, 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.

164) Dehgan, S., **Rahimi, S.**, Omidi, M. (2011). Strategy of Agriculture Biological Controls. 2nd National Conference the Risks and Biosecurity in Iran's Agriculture. July 19-20, Tehran, Iran.

165) Kameli, M., **Rahimi, S.** (2011). Biosecurity and Control of Diseases in Poultry Industry. 2nd National Conference the Risks and Biosecurity in Iran's Agriculture. July 19-20, Tehran, Iran.

166) Seifi, K., Karimi Torshizi, M.A., **Rahimi, S.**, Bagherzadeh Kasmani, F. (2011). Effect of Probiotic Administration on Lipid Oxidation in Japanese quail Meat. 2nd International Congress of Food Hygiene, April 30-May 1, Tehran, Iran.

167) 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.

168) 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.

169) 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. 14th International Conference on Production Diseases in Farm Animals (ICPD). 20-24 June. De Aula-Ghent University, Ghent, Belgium.

170) Hosenyan, H., **Rahimi, S.**, Jabari, A. R. (2010). Strategy in Prevention of necrotic enteritis in broiler chickens by using antibiotic alternatives. 4th Congress in Animal Science, September 20-21, Karaj, Iran.

171) Gharib Naseri, K., **Rahimi, S.**, Khaki, P. (2010). Comparison the effect of probiotic and prebiotic in *Campylobacter jejuni* infection in broiler chickens. 4th Congress in Animal Science, September 20-21, Karaj, Iran.

172) 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.

173) 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.

174) 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.

175) 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.

176) Yakhkeshi, S., **Rahimi, S.**, Niknam, A., Hosenyan, H. (2010). Effects of Yarrow (*Achillea millefolium*) Levels on Carcass Characteristics, Serum Lipids and Immune Response of Broilers. XIIIth European Poultry Conference, Toruce, France.

177) 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. XIIIth European Poultry Conference, Toruce, France.

178) Askari, S. **Rahimi, S.**, Niknam, A., Karimi Torshizi. M.A. (2010). Reduction of Broilers serum and Meat Cholesterol Level Using *Ocimum Basilicum*. XIIIth European Poultry conference, Toruce, France

179) Nikman, A., **Rahimi, S.**, Askari, S., Karimi Torshizi. M.A. (2010). Decreasing Broilers Meat Protein and Lipid Oxidation Using Medicinal Plants. XIIIth European Poultry Conference, Toruce, France

180) **Rahimi, S.**, Grimes, J.L., Kathariou, S. and Siletzky, R.M. (2010) Reduction of *Clostridium perfringens* colonization in turkey Poulets by feeding Primalac. July 11-15, Denver, Colorado

181) Ghyamyipour, S., **Rahimi, S.**, Karimi Torshizi, M.A. Mojgani, N. (2010). Study on probiotic characteristics of three isolates of lactic acid bacteria in *in-vitro* and *in-vivo* condition. July 11-15, Denver, Colorado

182) Teymourizadeh, Z., **Rahimi, S.**, Karimi Torshizi, M.A. (2010). The effect of three commercial herbal extracts on broilers performance. July 11-15, Denver, Colorado

183) Naghizadeh, A., **Rahimi, S.**, Rankouhi, A. Gharib Naseri, K., Lotfi, M., Rezaei, M. (2010). Effect of medicinal plants on immune system of broilers. July 11-15, Denver, Colorado.

184) Saleh, H., **Rahimi, S.**, Karimi Torshizi, M.A. Rahimi, A., (2010). Omega-3 fatty acid enrichment of chicken meat by using fish oil. July 11-15, Denver, Colorado

185) Soleimani, M. **Rahimi, S.**, Karimi Torshizi, M.A., Niknafs, F. (2010). Comparison the effect of commercial probiotics on performance and morphology of small intestine in broiler chicks. July 11-15, Denver, Colorado

186) Asgari, M., **Rahimi, S.**, Kiaei, M., Karimi Torshizi, M.A. (2010). The effect of early feeding on blood factors, immune system, digestive tract and intestinal morphology of broiler chicks. July 11-15, Denver, Colorado

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278) **Rahimi, Sh.**; Mohammadi, R.; Shahidi, R.; Molla-Salehi, M.R. and Emam-Jomeh, N. (2002). The effect of different diluents on viability of spermatozoa. Fertility and hatchability in broiler breeders. Third Seminar on Poultry Diseases. University of Shiraz, April 23-25.

279) **Rahimi, Sh.**; Mogadam-Nia, H.; Bozorgmehri- fard, M.H.; Mirsalimi, S.M.; Charkhkar, S; Gerami, A. and Karimi, M.A. (2002). Strategy of poultry diseases management in Iran. Third Seminar on Poultry Diseases. University of Shiraz, April 23-25.

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RESEARCH PROJECTS:

- 1) Comparison the effect of four new probiotics with antibiotic and commercial probiotics on performance of broiler chickens- Iranian Biological Resource Centre (IBRC), ACECR, Alborz Province, Karaj, Iran.
- 2) Comparison the Effect of Phytobiotic, Coccidiostat, Toltrazuril and Vaccine on Prevention and Treatment of Coccidiosis in Broiler Chickens. Behyan Daroy Takta Company. Tehran, Iran.

3) Investigation the effect of Phytogard (a new phytobiotic) in comparison with antibiotic, probiotic, prebiotic and a commercial phytobiotic on growth performance of broiler chickens. Shamim Company. Tehran, Iran.

4) Effect of medicinal plants drugs on prevention of Salmonellosis and Colibacillosis in poultry. Institute of Medicinal Plants-ACECR. Alborz Province, Karaj, Iran.

5) Investigation the effect of vaccine, probiotic and phytobiotic on growth performance, immune system and prevention of coccidiosis in broiler chickens. Bahman Arad Company, Tehran, Iran.

6) Physiological Effects of Overweight and aging on some reproductive and sub-fertility parameters of roosters in broiler breeders flocks. Agriculture Organization of Ghazvin Province, Iran.

7) Physiological Effects of Overweight and aging on some reproductive and sub-fertility parameters of roosters in broiler breeders flocks. Iran National Science Fundation. Tehran, Iran.

8) Sodium bisulfate feed additive aids broilers in growth and intestinal health during a coccidiosis challenge. Department of Poultry Science, North Carolina State University, Raleigh, NC, USA.

9) 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. Giah Essence Company, Golestan Province, Gorgan, Iran.

10) Strategies of poultry health and management in Iran. Ministry of Jihad Agriculture, Tehran, Iran.

11) 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.

12) 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.

13) 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.

14) The effectiveness of Direct-fed microbial and prebiotic on histomorphology of intestine, ultrastructural changes of intestinal mucosa and performance of turkey pouls infected with *Salmonella* and *Campylobacter*. Department of Poultry Science, North Carolina State University, Raleigh, NC, USA.

15) Effect of Probiotic on Prevention of *Clostridium Perfringens* colonization in pouls. Department of Poultry Science, North Carolina State University, Raleigh, NC, USA.

16) Effect of probiotic on Prevention of *Salmonella* colonization in pouls. Department of Poultry Science, North Carolina State University, Raleigh, NC, USA.

17) 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.

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

19) Investigation the microbial cause of lymphadenitis in Merinos sheep. Faculty of Veterinary Medicine, University of Tehran, Iran.

TITLE OF THESIS/ DISERTATION SUPERVISED:

Ph.D

- 1) Comparison the Effect of Phytobiotic, Coccidiostat, Toltrazuril and Vaccine on Prevention and Treatment of Coccidiosis in Broiler Chickens
- 2) The effect of L-carnitine and L-arginine on improvement of fertility in broiler breeder flocks
- 3) Comparison of Different Methods of using egg yolk specific antibodies to reduce colonization of *Salmonella Typhimurium* in broiler chickens
- 4) A Comparative Study of the Effect of Different Methods of *Campylobacter jejuni*-specific Egg IgY on Reducing the Intestinal Colonization of the Organism in Broilers
- 5) Comparison the effect of different methods of using specific egg-immunoglobulin on reducing *Escherichia coli* colonization in intestine of broiler chickens
- 6) Comparison the effect of phytobiotic with antibiotic, probiotic, and prebiotic on growth performance of broilers
- 7) The effect of Vaccine, Probiotic and Phytobiotic on Prevention of Coccidiosis in Broiler Chickens
- 8) Peroxisome proliferator-activated receptors γ (PPAR γ) Activation a Potential Treatment for ascites syndrome in broiler chickens
- 9) Physiological effects of overweight and aging on some reproductive and sub-fertility parameters of roosters in broiler breeder flocks
- 10) Sodium bisulfate feed additive aids broilers in growth and intestinal health during a coccidiosis challenge
- 11) Production of recombinant vaccine of necrotic enteritis and its immunization from hens to experimental challenged progeny with *Clostridium Perfringens*
- 12) The effect of egg yolk specific antibody to reduce colonization of *Salmonella infantis* in intestine of broiler chickens challenged with this bacterium
- 13) Isolation, culture and characterization of the quail primordial germ cells
- 14) The effect of thermal manipulation during pre and post-hatch on broiler thermo tolerance in finisher period
- 15) Comparison the effect of herbal extract and antibiotic on to reduction colonization of *Salmonella Enteritidis* in laying hens
- 16) Effect of in ovo feeding of carbohydrates on hatchability and performance of ostrich chicks
- 17) The use of pollen, honey, royal jelly and propolis honeybee on performance of Japanese quail
- 18) Effect of rosemary and it's products on performance of poultry
- 19) Screening of isolated bacteriophages from broiler chickens gastrointestinal tract against *Enterococcus faecalis*
- 20) Usage of green florescent protein for tracing probiotic bacteria in alimentary tract and efficacy evaluation of different probiotic administration methods in broilers
- 21) Effect of medicinal plants of garlic and olive leaf usage on growth performance and incidence of ascites syndrome in Arian broilers
- 22) Isolation, identification and selection of probiotic Lactic acid bacteria in nutrition of broiler chickens.

- 23) The effect of strain and nutrition on physiology of respiratory and circulatory systems in Arian broilers, related to Ascites
- 24) Investigation of degrading polysaccharide and straw lignin by Gut bacteria of termites
- 25) Effect of feed restriction on broiler immune system during heat stress
- 26) Evaluation of broiler breeders performance in Tehran Province
- 27) *In vitro* survey on potential of anaerobic fungi of sheep ruminal in fiber degradation

MSc.

- 1) Synergistic effect of probiotic and phytobiotic on growth physiology of broiler chickens
- 2) The synergistic effect of probiotic and acidifier on growth performance of broiler chickens
- 3) Investigating the impact of curcumin on the in vitro development of ovine oocytes under Aflatoxin B1- induced inflammation
- 4) Comparison the Effect of Antibiotic, Phytobiotic, Organic acid and Bacteriophage on Performance of Broiler Chickens
- 5) Comparison of the effects of antibiotic, probiotic, prebiotic and enzyme on the performance of broiler chickens
- 6) Comparison the effect of two new probiotics with antibiotic and the commercial probiotics on performance of broiler chickens.
- 7) Comparison the effect of two new probiotics with antibiotic and the commercial probiotics on performance of broiler chickens
- 8) Effect of Ginseng, and *Tribulus terrestris* on semen quality, quantity and fertility of rooster
- 9) Comparison the effect of herbal drugs with antibiotic on broiler chickens challenged with *Salmonella Enteritidis*
- 10) Comparison of the effect of antibiotics and herbal medicines in the prevention of Colibacillosis in broilers
- 11) Comparison the effect of antibiotic, probiotic and herbal drugs on prevention of salmonellosis in broilers chickens (*Salmonella Typhimurium*)
- 12) Comparison the effect of antibiotic, probiotic and herbal drugs on prevention of Colibacillosis in broilers chickens (*Escherichia coli* O2:K1)
- 13) The effect of *Bacillus subtilis* and *Lactobacillus planetarium* in reducing *Salmonella Hidelberg* in intestine of broiler chickens
- 14) The effect of Sodium Bisulfate and Monensin on Growth Performance and Control of Coccidiosis in Broiler Chickens
- 15) The Effect of Poulk (*Stachys schtschegleevii*) on Performance, Blood Parameters and Immune System of Broiler Chickens
- 16) Effect of specific immunoglobulin of egg yolk (IgY) against *Clostridium perfringens* in broiler chicken
- 17) Effect of antibiotic, probiotic, prebiotic and cocktail of *Bacillus subtilis* on performance of broiler chickens

- 18) Effect of antibiotic, probiotic and prebiotic on prevention of *Campylobacter jejuni* in broiler chickens
- 19) Effect of in ovo feeding on histomorphology of intestine, immune system and growth performance of broilers
- 20) Effect of antibiotic, Original XPC and Lactobacillus on of broiler chickens performance of broilers challenged with *Salmonella infantis*
- 21) 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
- 22) 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
- 23) The effect of medicinal plants on broilers performance under heat stress condition
- 24) Human granulocyte colony stimulating factor gene transfection using sperm mediated gene transfer for production of transgenic chickens
- 25) Human FSH hormone gene transfer via sperm and possibility of the production of Leghorn transgenic chickens
- 26) Gene transfer of monoclonal antibody-producer RGEN727 via sperm and the feasibility of production of Leghorn transgenic chickens
- 27) The effect of herbal extract, organic acid and antibiotic application on *Campylobacter jejuni* colonization in broiler chickens intestine
- 28) Comparison of probiotic, prebiotic, antibiotic, organic acid and tragacanth gum in prevention and control of necrotic enteritis in broilers
- 29) 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
- 30) 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
- 31) Comparison the effect of *Rosmarinus officinalis L.*, *Ssalvia officinalis*, propolis, Phytoalexin and antibiotics on blood parameters, immune system, gut morphology and performance of broiler chickens challenged with *E. coli*
- 32) 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*
- 33) Effect of specific immunoglobulin of egg yolk (IgY) against *E. coli* in broiler chickens
- 34) Effect of specific immunoglobulin of egg yolk (IgY) against *Salmonella Typhimurium* in broiler chickens
- 35) The effect of nanosilver, gamma irradiation, electron beam and Milbound absorbent on aflatoxin in broiler chickens' diet
- 36) The effect of organic acid, probiotic, vaccine and *Echinacea L.* application on *Campylobacter jejuni* colonization in broiler chickens intestine
- 37) The effect of specific egg-derived antibody on reducing colonization of *Campylobacter jejuni* in broiler chickens
- 38) Effects of medicinal plants on growth performance, immune system and blood parameters of broilers
- 39) Effect of different feed sources on the amount of omega-3 fatty acids, egg cholesterol and laying hens performance
- 40) The effect of medicinal and aromatic plants on broiler growth performance and taste of meat

- 41) Comparison the effects of commercial plant medicines on growth performance, immune system and blood parameters of broilers
- 42) Comparison the effect of commercial herbal and chemical medicines on health indexes, blood parameters and improve the respiratory disorders challenged with infectious bronchitis vaccine
- 43) Comparison the effect of different lighting programs on performance of different strains of broiler chickens
- 44) Investigation of microscopic changes of intestinal mucosa of broiler chicks in early feeding
- 45) Production of broiler chickens without using drugs and vaccines
- 46) Survey of broiler health and management in Tehran province, Iran
- 47) The effect of probiotic, prebiotic, coccidiostat and antibiotic growth promoters on controlling *Clostridium perfringens* in challenge model of necrotic enteritis in broilers
- 48) Comparison of gamma and electron beam irradiation with organic acids for decrease microbial contamination of poultry feed and improvement performance of broiler chickens
- 49) Effect of antibiotic, probiotic, prebiotic, organic acids and Sangrovit supplementation in reducing intestinal colonization of *Campylobacter jejuni* in broiler chickens
- 50) Effect of Marine Algae *Sargassum* sp and Vitamin E on broiler chickens performance and oxidative stability of omega-3 enriched meat.
- 51) Comparison of probiotic, prebiotic, vaccine and Coccidiostat in prevention and control of Coccidiosis, in chickens
- 52) The effect of five plants extracts as feed additives on broiler's performance.
- 53) The effect of three commercial extracts as feed additives on broiler performance.
- 54) Comparison of the effect of antibiotic, probiotic, prebiotic and organic acid on performance and immune response of broilers and *E.coli* shedding.
- 55) Omega-3 fatty acids enrichment of chicken meat with vegetable sources.
- 56) N-3 fatty acid enrichment of chicken meat by using marine sources
- 57) The effect of early feeding on blood factors, immune system, pancreatic enzymes and intestinal morphology of broiler chicks.
- 58) Study of probiotic characteristics of three isolates of Lactic acid bacteria *in vitro* and *in vivo* conditions.
- 59) Comparison of the effect of commercial probiotics on performance of broilers and morphology of small intestine.
- 60) The effect of egg derived antibody on prevention of avian influenza H9N2 in layer chicks.
- 61) Evaluation and Comparison of the Effects of Organic Acids and Formaldehyde on Morphology of Intestine and performance of Broilers.
- 62) Evaluation and comparison different methods of early feeding on immune system, growth of digestive tract and performance in broilers.
- 63) The effect of n-3, n-6 polyunsaturated fatty acids and vitamin E on fertility and sperm quality of cockerel
- 64) Investigation the effect of organic acids on microflora and physiology of intestine in broiler chickens
- 65) Prevention of *Salmonella enteritidis* Infection in chicken by using egg IgY antibody.
- 66) The effect of L- Carnitine and soybean oil on broiler breeder fertility, hatchability and quality of male's sperm.

67) 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

68) Comparison of the productive performance of six commercial broiler strains in Iran.

69) Comparison of the ascites in six commercial male broiler strains.

70) Comparison of different Omega-3 fatty acid sources for enrichment of egg.

71) Effect of probiotic on structure of intestine in broilers.

72) Comparison of the effect of probiotic and antibiotic on performance and immune system of broiler chicks

73) The microbial factors affecting on fertility and hatchability in ostrich.

74) Effect of betaine on epithelial resistance of intestine to coccidiosis and growth performance in broiler chicks

75) Evaluation and comparison of natural mating and artificial insemination on broiler breeders

76) Effect of different diluents on viability of spermatozoa, fertility and hatchability in broiler breeders

77) Study of the effect of different levels of energy and protein on the incidence of ascites in broilers in Iran

78) Evaluation of the growth performance of three commercial broilers in Iran

79) Comparing biological value of internal and imported DCPs and evaluating their effects on egg shell quality

80) Effect of phytase supplementation in broilers diets.

81) Genetic analysis of antibody responses of Marandi chicken to Newcastle disease vaccine

TITLE OF THESIS/ DISERTATION CO-SUPERVISED:

Ph.D

- 1) Investigation of the effect of dietary hydrolyzed feather meal on the fertility of roosters
- 2) Studing the effect of probiotic use on immunological responses and histopathology of target tissues in specific pathogen free (SPF) chickens vaccinated with Newcastle vaccine.
- 3) Unlocking phage against *Enterococcus sp.* as a lipid emulsification modifier and antibiotics growth promotor alternative
- 4) Strain differences in the effect of dietary supplementation of *Aspergillus niger* cultures (in protein reduced diets) on performance, plasma biochemistry, and meat lipid oxidation of broilers
- 5) The effect of bacteriophages against lactic acid bacteria as an alternative to growth-promoting antibiotics on performance, fat digestibility and bile metabolism in broilers
- 6) Prevention and amelioration of aflatoxicosis in animal models using immunochemistry techniques
- 7) Effect of cocktail of phages against avian pathogenic *Escherichia coli* colonization in broiler chickens
- 8) Ascites induction in broilers by caffeine and crataegus sp. supplementation for ascites treatment

- 9) Evaluation of nutritional, immunological, histomorphological and microbiological effects of Sumac powder (*Rhus Coriaria L.*) on male broiler chicks
- 10) Investigation of selection objectives and criteria in Baluchi sheep under desert range land conditions
- 11) Estimation of genetic and environmental parameters of production traits and determination a suitable selection criterion in Lori- Bakhtiary sheep breed
- 12) Genetic evaluation of economic traits in Markhuz (Iranian Angora) goats

MSc.

- 1) The Effect of dietary supplementation of feather alkaline hydrolyzed, organic selenium and vitamin E on fertility of Arian roosters
- 2) Comparison the effect of Iranian probiotics on reducing colonization of *Salmonella Enteritidis* in broiler chickens
- 3) Effect of induced mild prefreezing oxidative stress using nitric oxide on sperm quality parameters and fertility potential
- 4) Isolation of bacteriophage against *Salmonella enteritidis* and evaluation of administration methods in Japanese quails
- 5) Comparison of probiotic characteristics of *E. coli* Nissle 1917 with some commercial poultry products
- 6) Effect of feeding camphor levels on Japanese quail
- 7) Effect of broiler diets dilution using rice hulls on performance and ascites incidence
- 8) Application of nanosilver as feed disinfectant on laying hens performance
- 9) Comparison of various methods of probiotic administration on quail growth performance
- 10) Prevention of Aflatoxicosis in Japanese quails using *Satureja khuzistanica* essence
- 11) Comparison of the effect of natural and synthetic antioxidants on ascites syndrome reduction in broiler chickens.
- 12) Evaluation of probiotics characteristics of some commercial poultry probiotics available on Iran's market.
- 13) Effect of different methods of probiotic administration on performance, and intestinal morphology of broiler chickens
- 14) Comparison of various methods of probiotic administration against *Salmonella* infection in broiler chickens.
- 15) Investigation of economy of poultry meat production in Gazvin province
- 16) 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
- 17) 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, 4th 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) Advanced Physiology
- 2) Avian Physiology
- 3) Advanced Digestive Physiology
- 4) Digestive Physiology
- 5) Poultry Production Physiology
- 6) Anatomy and Physiology of Domestic Animals
- 7) New Topics in Animal and Poultry Physiology
- 8) Metabolic Disorders in Animals
- 9) Metabolic and Digestive Disorders
- 10) Poultry Diseases
- 11) Advanced Poultry Viral Diseases
- 12) Poultry Production and Management
- 13) Animal Immunology
- 14) Domestic Animals Toxicology
- 15) Diseases of Domestic Animals
- 16) Operating Electron Microscope (TEM & SEM)
- 17) Research Methodology
- 18) Special Language
- 19) Special Problem
- 20) Seminar