CURRICULUM VITAE

Dr. MUHAMMAD WAQAS



BIOGRAPHICAL SKETCH

NAME	POSITION TITLE
Dr. MUHAMMAD WAQAS DVM, M.Phil., Ph.D.	**LECTURER** Department of Poultry Production University of Veterinary and Animal Sciences, Lahore-Pakistan (Ravi Campus)
Date of Birth & Domicile	December 19, 1991 (Jhang, Punjab-Pakistan)
CNIC No.	33202-0329910-3
Passport No.	AY6319104
Mobile	+92-345-7615671
Permanent address	Chak No. 263/JB, Post office Chak No.262/JB, Tehsil and District Jhang, Pakistan
E-mail	m.waqas@uvas.edu.pk
ORCiD	0000-0002-9972-8426
Scopus	59895750700
Web of Science	HZJ-8866-2023
Google Scholar	1A1JhwIAAAAJ
ResearchGate	https://www.researchgate.net/profile/Muhammad-Waqas-310?ev=hdr_xprf
Linkedin	linkedin.com/in/dr-muhammad-waqas-phd-b10980113
Official website	https://web.uvas.edu.pk/profile/mr-muhammad-waqas/

AREAS OF RESEARCH INTEREST

- Poultry Nutrition and Health
    - Alternatives to Antibiotics
    - Alternative Feed Resources
    - Nutritional Diseases and their Control Strategies
    - Immunity, meat quality, fatty acid analysis, gene expression, histology, microbiology
- *In vitro* Digestibility (Ankom) and Gas Production Techniques (Menke and Steingass and Ankom)
- Feed Formulations,
- Broiler and Layer Production and Management
- Game Bird Production

JOB EXPERIENCES

- **Lecturer**, Department of Poultry Production, University of Veterinary and Animal Sciences, Lahore-Pakistan, 23 June 2017 to date
- **Teaching Assistant**, Department of Poultry Production, University of Veterinary and Animal Sciences, Lahore-Pakistan from 17 September 2014 to 22 June 2017.

RESEARCH PROJECTS

Sr. No	Project Title	Project Type	Start date	End date	Status
1	Effects of Postbiotics and Stocking Density on Growth Performance, Carcass Characteristics, Internal Organ Weights, Intestinal Histomorphology, Oxidative Stress and Antioxidant Status, Immune Response, and Gene Expression in Broiler Chickens	General Research Project (2025-TS-113)	24-02-2026	24-02-2028	In progress
2	The Effect of Adding Prebiotics, Probiotics, and Postbiotics to Broiler Rations on Growth Performance, Carcass Characteristics, Intestinal Morphology, Immunity, Serum Biochemistry, and Gene Expression	Interdisciplinary Research Project (BAP-5762)	08-04-2025	08.10.2026	In progress
3	The Effect of Adding Saccharomyces cerevisiae and Moringa oleifera to Broiler Rations on Immune and Growth Genes	Interdisciplinary Research Project (BAP-6192)	02-10-2025	02.10.2026	In progress
4	Evaluation of the Nutrient Content and In Vitro Digestibility of Rice Straw Ensiled with Artichoke Leaves: Conversion of Agricultural Waste into Animal Feed	General Research Project (BAP01-2024-4901)	02-02-2024	02-02-2025	Completed
5	Effect of Urea and/or Crude Glycerin Treatment on the Nutrient Composition and *In Vitro* True Digestibility of Different Varieties of Rice Straw	General Research Project (PYO.VET.1908.22)	18-02-2022	29-12-2022	Completed
Membership in European Union COST ACTIONS Based Projects					
1	**CA22109** - Medicinal plants for animal health care: Translating tradition into modern veterinary medicine (MedPlants4Vet)	The European Cooperation in Science and Technology (COST)-Actions	12/10/2023	11/10/2027	In progress
2	**CA20103**- Biosecurity Enhanced Through Training Evaluation and Raising Awareness (BETTER)	The European Cooperation in Science and Technology (COST)-Actions	21/10/2021	20/10/2025	Completed

MEMBER THESIS SUPERVISORY COMMITTEE

M.Phil. Students

Sr. No.	Name of student	Year of completion	Title of Research	Status
1.	Muhammad Majid Rasool	2021	Productive performance and welfare of commercial layers affected by different bedding materials and perching size	Major Member
2.	Muhammad Haseeb	2021	Assessing the influence of broiler breeder's egg weight on hatching traits and post hatch performance of broilers	Major Member

PUBLICATIONS

RESEARCH ARTICLES PUBLISHED: (WoS-SCI-Expanded-and National level)

Sr. No.	Title	Year	Impact Factor	Quartile
1.	Ölmez, N., Riaz, R., Waqas, M., Ahsan, U., Raza, I., Ölmez, M., Al Sulaiman, A. R., & Abudabos, A. E. (2026). Effects of Dietary Organic Acid Supplementation in Coccidiosis-Challenged Broilers: A Meta-Analysis. *Veterinary Sciences*, *13*(9), 941. https://doi.org/10.3390/vetsci13090941	2026	2.7	Q1
2.	Amin, T., Alyas, S., Usman, M., Khan, M. A., Ebeid, T. A., **Waqas, M.,** Muneeb, M., Ahmad, M., Al Sulaiman, A. R., Ahmad, S., & Abudabos, A. E. (2026). Comparative Evaluation of Hanging Objects as Environmental Enrichment Tools on Broiler Behavior, Welfare, Growth, Serum Chemistry, and Meat Quality Traits. *Veterinary Sciences*, *13*(4), 321. https://doi.org/10.3390/vetsci13040321	2026	2.3	Q1
3.	Riaz, R., **Waqas, M.,** Nouman, H. M., Imtiaz, B., Mohamed, R. A. E. H., Maqsood, H., Mehmood, Z., Cieślak, A., Liu, L., & Zhao, C. (2026). Grapes and their by-products effects on growth performance, intestinal histomorphology, immune response and antioxidant status in broiler chickens: A meta-analysis. *Poultry Science,* *105*(6), 106814. https://doi.org/10.1016/j.psj.2026.106814	2026	4.2	Q1
4.	Sızmaz, Ö., Tharwat, M., Ramay, M. S., Bundur, A., **Waqas, M.,** Nouman, H. M., Imtiaz, B., Ahmed, I., Ahsan, U., & Alshanbari, F. A. (2026). Effects of Fermented Feed Supplementation on Production Performance and Egg Quality Parameters in Laying Hens: A Meta-Analysis. *Animals*, *16*(6), 906. https://doi.org/10.3390/ani16060906	2026	2.7	Q1
5.	**Waqas, M.,** Waqar, M., Jawhar, S. A., Salman, M., Rahman, A., Hussain, J., Mehmood, S., Nastoh, N.A., Chaijan, M., & Ahmad, S. (2026). Revitalizing rural poultry with phytobiotics: a natural path to sustainability. *World's Poultry Science Journal*, 1–49. https://doi.org/10.1080/00439339.2026.2627510	2026	3.5	Q1
6.	**Waqas M,** Salman M and Ahmad NA, 2026. Effects of postbiotic and egg yolk powder supplementation on the growth performance, serum biochemical profile, antioxidant capacity and gut histomorphology of broilers. Pakistan	2026	5.4	Q1

	Veterinary Journal. 46(2): 410-418. http://dx.doi.org/10.29261/pakvetj/2026.015			
7.	Ormancı, N., Bölükbaş, B., **Waqas, M.,** Salman, M., Pak, R., Topal, D., & Vehapoğlu, A. (2026). Investigation of Metabolites and Mineral Content in Blood Serum of Dairy Cows of the Simmental Breed in Samsun Province During the Transition Period. *Biological Trace Element Research*, 10.1007/s12011-026-04984-z. Advance online publication. https://doi.org/10.1007/s12011-026-04984-z .	2026	3.6	Q2
8.	Nastoh, N. A., Salman, M., & **Waqas, M.** (2025). Effects of Moringa oleifera and Saccharomyces cerevisiae on growth performance, meat quality, and fatty acids profile of meat in broiler chickens. *Tropical Animal Health and Production*, *58*(1), 22. https://doi.org/10.1007/s11250-025-04801-0	2025	1.7	Q2
9.	Riaz, R., **Waqas, M.,** Ahmed, I., Nouman, H. M., Imtiaz, B., Ul Hassan, M., Todaro, M., Gannuscio, R., Tahir, M. N., & Sizmaz, O. (2025). Meta-Analysis of Incorporating Camelina and Its By-Products into Ruminant Diets and Their Effects on Ruminal Fermentation, Methane Emissions, Milk Yield and Composition, and Metabolic Profile. *Fermentation*, *11*(10), 593.https://doi.org/10.3390/fermentation11100593	2025	3.3	Q2
10.	Yu, H., **Waqas, M.,** Waqar, M., Rahman, A., Kazdal, S., Sajjad, N., Ullah, Q., Salman, M., Panpipat, W., Chaijan, M., & Nawaz, S. (2025). Sustainable poultry farming: Mitigation of greenhouse gas emissions in poultry farming through nutritional and environmental modulations. *World's Poultry Science Journal,* *81*(4), 1081–1141. https://doi.org/10.1080/00439339.2025.2544772	2025	3.5	Q1
11.	Zhang, H., Yu, L., Rahman, A., Govindharajan, S., Li, L., Yu, H., & **Waqas, M.** (2025). Effects of Varying Dietary Concentrations of Menadione Nicotinamide Bisulphite (VK_3) on Growth Performance, Muscle Composition, Liver and Muscle Menaquinone-4 Concentration, and Antioxidant Capacities of Coho Salmon (*Oncorhynchus kisutch*) Alevins. *Biology*, *14*(4), 447. https://doi.org/10.3390/biology14040447	2025	3.5	Q1
12.	Yu, H., Khanum, S., Ali, M. M., Rahman, A., Hayat, Z., **Waqas, M**., Sajid, M., Khan, M., & Zafar, M. S. (2025). Research Note: Effects of Fermented Vegetable Extract Supplementation via Drinking Water on Growth Performance, Immune Function, and Antioxidant Status in Broiler Chickens. Poultry Science, 104, 105583. https://doi.org/10.1016/j.psj.2025.105583	2025	4.2	Q1
13.	Salman M, **Waqas M,** Bölükbaş B and Nastoh NA, 2025. Assessment of nutrient content, *Invitro* true digestibility, digestible protein content and In vitro fermentation of rice straw ensilaged with artichoke leaves. International Journal of Agriculture and Biosciences 14(5): 985-993. https://doi.org/10.47278/journal.ijab/2025.095 **(Cite score Scopus:3.4)**	2025	CS: 3.4	Q1
14.	Nastoh, N. A., Salman, M., & **Waqas, M.** (2025). Effects of moringa oleifera leaves powder and saccharomyces cerevisiae alone or in combination on blood biochemical profile, total antioxidant and oxidant capacity and intestinal morphology in broiler chickens. *Pakistan Veterinary Journal*, *45*(2), 735-742	2025	5.4	Q1

	http://dx.doi.org/10.29261/pakvetj/2025.149			
15.	Yu, H., Rahman, A., Yu, L., Sattanathan, G., Li, L., Younus, M., **Waqas, M.,** Abbas, A., Ishaq, H. M., & Wu, X. (2025). Effect of graded levels of dietary L-methionine on growth performance, body composition, amino acid requirements, serum biochemical parameters and gut microbiota in coho salmon (*Oncorhynchus kisutch*) alevins cultured in freshwater. *Pakistan Veterinary Journal, 45*(2), 651–661http://dx.doi.org/10.29261/pakvetj/2025.155	2025	5.4	Q1
16.	Waqar, M., Rafiq, I., Sajjad, N., **Waqas, M.,** Rahman, A., Ullah, Q., ... & Chaijan, M. (2025). Bacteriophages as Sustainable Biocontrol Agents in Animal and Agricultural Systems. *Frontiers in Microbiology and Biotechnology*, *4*, 1-17. https://doi.org/10.54219/fmb.04.01.2025.351	2025	--	--
17.	Yu, H., Rahman, A., Umer, F., **Waqas, M.,** Mahmood, M., Berberoğlu, T. M., Riaz, T., Sherzada, S., Khan, M., Raza, A., Momenah, M. A., & Khalil, F. M. A. (2024). Effect of supplementing a blend of essential oils on the growth performance, carcass characteristics, meat quality, serological parameters and gut health in broiler chickens. *Pakistan Veterinary Journal, 44*(4), 1329–1337.http://dx.doi.org/10.29261/pakvetj/2024.301	2024	3.8	Q1
18.	Yu H, Rahman A, Sadique MA, Batool T, Imtiaz B, Zaman MA, Riaz T, Anwar MZ, and **Waqas M,** 2024. Impact of *bacillus subtilis* probiotic on growth performance, bone health, intestinal morphology, and cecal microbiota in cobb broiler chicks. Pakistan Veterinary Journal. 44(4).1-7 http://dx.doi.org/10.29261/pakvetj/2024.254	2024	3.8	Q1
19.	**Waqas M,** Nastoh NA, Çınar AA, Farooq MZ, Salman M. 2024. Advantages of the Use of Postbiotics in Poultry Production: A New Concept. Brazilian Journal of Poultry Science. 26(3).1-31. https://doi.org/10.1590/1806-9061-2024-1939	2024	1.1	Q3
20.	Nastoh, N. A., **Waqas**, M., Çınar, A. A., Salman, M. (2024). The impact of phytogenic feed additives on ruminant production: A review. Journal of Animal and Feed Sciences. 33(4), 431-453. https://doi.org/10.22358/jafs/191479/2024	2024	1.40	Q2
21.	B. Bölükbaş, **M. Waqas,** A. G. Bölükbaş, I. Kaya, and M. Salman. 2024. Effect of urea and/or crude glycerin treatment on the nutrient composition and in vitro true digestibility of different varieties of rice straw. The Journal of Animal and Plant Sciences. 34(6). https://doi.org/10.36899/JAPS.2024.6.0821	2024	0.60	Q4
22.	Bolukbas, AG, Bolukbas, B., **Waqas, M.,** Salman, M., Kaya, I. 2024. Comparison of Nutrient Composition and Relative Feed Values of Rice Straw Varieties with Different Plant Heights. Turkish Veterinary Journal, 6(1), 7-11. https://doi.org/10.51755/turkvetj.1473982	2024	--	--
23.	**M. Waqas,** M. Salman, M. S. Sharif. 2023. Application of polyphenolic compounds in animal nutrition and their promising effects. Journal of Animal and Feed Sciences. 32 (3); 233–256 https://doi.org/10.22358/jafs/159718/2023	2023	1.6	Q2
24.	Ahmad, S., Mahmud, A., Hussain, J., Javed, K., Usman, M., **Waqas, M.,** & Zaid, M. (2021). Behavioural assessment of three chicken genotypes under free-range, semi-intensive, and intensive housing systems. *Ankara Üniversitesi*	2021	0.433	Q3

	Veteriner Fakültesi Dergisi, *68*(4), 365-372. https://doi.org/10.33988/auvfd.791155			
25.	M. T. Khan, S. Mehmood, A. Mahmud, K. Javed, Saima, J. Hussain, Y. A. Ditta, and **M. Waqas.** 2019. Effect of dietary compost levels on production performance, egg quality and immune response of laying hens. The J. Anim. Pl. Sci., 29 (2):375-385.	2019	0.529	Q3
26.	**Waqas, M.,** Mehmood, S., Mahmud, A., Saima, Hussain, J., Ahmad, S., Khan, M. T., Rehman, A., Zia, M. W., & Shaheen, M. S. (2018). Effect of yeast-based mannan oligosaccharide (Actigen™) supplementation on growth, carcass characteristics and physiological response in broiler chickens. *Indian Journal of Animal Research. 53(11)-14751479. https://10.18805/ijar.B-923*	2018	0.437	Q3
Total Impact Factor		**65.099**		

CONFERENCE PAPERS/ABSTRACTS

Sr. No.	Title of Abstract	Year
1.	A. Ghayas, S. Ahmad, S. Liaqat, J. Hussain, H.M. Ishaq, Z. Kamran, I. Ahmed, M. Qumar, S. Ahmad, W. Ishaq, M. Usman, **M. Waqas**. Effects of chick mixing regimens on social behaviour and spatial responses of broilers. 2026. Abstract Book. Poultry Science Conference at International Poultry Expo, Pakistan Poultry Association. p. 29	2026
2.	S. Zahid, M. Usman, **M. Waqas**, S. Ahmad. Larger outdoor range areas improve egg production in naked neck hens without compromising welfare or egg quality. 2026. Abstract Book. Poultry Science Conference at International Poultry Expo, Pakistan Poultry Association. p. 31	2026
3.	M. Safwan, M. Usman, **M. Waqas**, S. Ahmad. 2026. Prenatal green–red dichromatic light exposure enhances hatchability, morphological development, and post-hatch growth performance in Japanese quail. Abstract Book. Poultry Science Conference at International Poultry Expo, Pakistan Poultry Association. p. 32	2026
4.	S. Ali, M. Usman, **M. Waqas**, S. Ahmad. 2026. Optimal intensity of green–red light during incubation enhances hatching traits and growth in Japanese quail. Abstract Book. Poultry Science Conference at International Poultry Expo, Pakistan Poultry Association. p. 33	2026
5.	Y.A. Noor, M. Usman, **M. Waqas**, S. Ahmad. Incubation photoperiod duration has limited impact on post-hatch performance and stress in broiler chickens. 2026. Abstract Book. Poultry Science Conference at International Poultry Expo, Pakistan Poultry Association. p. 34	2026
6.	T. Amin, S. Alyas, M. Usman, **M. Waqas**, S. Ahmad. Hanging toys as environmental enrichment enhance broiler performance and behavior while preserving foot health. 2026. Abstract Book. Poultry Science	2026

	Conference at International Poultry Expo, Pakistan Poultry Association. p. 35	
7.	M. Tariq, J. Hussain, S. Ahmad, S. Mehmood, F. Hussnain, M. Usman, **M. Waqas**, A.U. Rehman, S. Tahir. Dietary anti-stressor feed additives supplementation improves growth performance, immunity, and carcass traits of heat-stressed broiler chickens. 2026. Abstract Book. Poultry Science Conference at International Poultry Expo, Pakistan Poultry Association. p. 146	2026
8.	**M. Waqas**, M. Salman, J. Hussain, S. Ahmad, S. Mehmood, F. Hussnain, M. Usman, S. Manzoor, H.A. Akram. Effect of supplementation of postbiotic and egg yolk powder in the diet of broilers on the growth performance, carcass traits and gut histomorphology. 2026. Abstract Book. Poultry Science Conference at International Poultry Expo, Pakistan Poultry Association. p. 149	2026
9.	Hussain, J., Yameen, R. M. K., Ahmad, S., Saima, S., & **Waqas, M.** (2026). Evaluating the interaction effect of egg weight and patio regimens on hatching traits and post-hatch performance of broiler chickens. In World's Poultry Congress 2026 abstract book (Abstract 3114, p. 147). Toronto, Canada.	2026
10.	**Waqas, M**., Hussain, J., Mehmood, S., Ahmad, S., Usman, M., Hussnain, F., & Manzoor, S. Application of biochar in poultry industry. The Proceedings Book of International Interdisciplinary Science and Technology Congress, Kars, Türkiye, March 27–28, ISBN: 979-8-89695-394-4.	2026
11.	Ghani, A., Mehmood, S., Hussnain, F., Saima, S., Hussain, J., **Waqas, M.,** Ahmad, S., & Manzoor, S. Impact of incubation management practices on hatching traits, chick quality, and post-hatch performance of broiler chickens. The Proceedings Book of International Interdisciplinary Science and Technology Congress, Kars, Türkiye, March 27–28, ISBN: 979-8-89695-394-4.	2026
12.	**Waqas, M.,** Salman, M., Uysal, A., Bölükbaşı, B., Uğurlu, M., Kaya, M. T., Ümit, F., Uğurtay, E., Çiftçi, G., & Güvenç, T. Effect of biotics supplementation on the carcass traits and organ weights of broiler chickens (Biyotik Takviyesinin Broyler Piliçlerin Karkas Özellikleri Ve Organ Ağırlıkları Üzerine Etkisi). In Proceedings of the 5th International Animal Nutrition Congress (p. 278), December 11-14, 2025, Mardan Palace, Antalya, Türkiye	2025
13.	**Muhammad Waqas,** Mustafa Salman, Ismail Kaya, Jibran Hussain, Shahid Mehmood, Sohail Ahmad, Faisal Hussnain, Muhammad Usman, Muhammad Shabir Shaheen. Evaluation of effects of postbiotic and egg yolk powder supplementation on the growth performance, guthistomorphology, and gene expression of broiler chickens. Abstract Book, Poultry Science Conference 2025 (PSC@IPEX2025) 23rd October, 2025	2025
14.	Muhammad Usman, Yasir Arslan Noor, Sohail Ahmad, Jibran Hussain, **Muhammad Waqas**. Beyond hatch: a follow-up study on the post-hatchoutcomes of broilers incubated under various dichromatic light durations.	2025

	Abstract Book, Poultry Science Conference 2025 (PSC@IPEX2025) 23rd October, 2025	
15.	Sohail Ahmad, Muhammad Safwan, Muhammad Usman, Jibran Hussain, **Muhammad Waqas**. Influence of prenatal dichromatic light on hatchability and growth of Japanese quail. Abstract Book, Poultry Science Conference 2025 (PSC@IPEX2025) 23rd October, 2025	2025
16.	Muhammad Danial Javaid, Shahid Mehmood, Jibran Hussain, Faisal Hussnain, Muhammad Usman, Muhammad Shabbir Shaheen, Sohail Ahmad, **Muhammad Waqas,** Muzamal Tariq, Naqash Ahmad, Saqlain Tahir, Murrawat Hussain, Smile Manzoor. Prevalence and distribution of key bacterial and mycoplasmal diseases in commercial and backyard chickens, Sahiwal, Pakistan. Abstract Book, Poultry Science Conference 2025 (PSC@IPEX2025) 23rd October, 2025	2025
17.	Abdul Ghayas, Jibran Hussain, Shakeel Ahmad, Hafiz Muhammad Ishaq, Shahid Mehmood, Muhammad Hayat Jaspal, Sohail Ahmad, Waqas Ishaq, Muhammad Usman, **Muhammad Waqas**. Beyond antibiotics: how genotype and production system selection directly improve meat quality and sensory acceptability. Abstract Book, Poultry Science Conference 2025 (PSC@IPEX2025) 23rd October, 2025	2025
18.	**Muhammad Waqas,** Mustafa Salman, and Noor Ahmad Nastoh. Effect of dietary supplementation of postbiotic and egg yolk powder on the carcass traits and internal organs of broiler chickens on the carcass characteristics and internal organs of broilers.9th International ICONTECH CONGRESS on Innovative Surveys in Positive Sciences, April 1-2, 2025, organized by Azerbaijan Cooperation University, Baku, Azerbaijan	2025
19.	Noor Ahmad Nastoh, Mustafa Salman, and **Muhammad Waqas**. Effect of the Moringa oleifera leaves powder and the yeast-based prebiotic on the carcass characteristics and internal organs of broilers. 9th International ICONTECH CONGRESS on Innovative Surveys in Positive Sciences, April 1-2, 2025, organized by Azerbaijan Cooperation University, Baku, Azerbaijan.	2025
20.	Onur ŞAHİN, **Muhammad WAQAS,** Aslınur BOSTANCIOĞLU, and Mustafa SALMAN. Nutritional Strategies to Address Heat Stress Challenges in Dairy Cows. 12th International May 19 Innovative Scientific Approaches Congress. 24-25 December 2024, Samsun / TÜRKİYE. ISBN:: 978-625-8254-64-8	2024
21.	Noor Ahmad NASTOH, **Muhammad WAQAS,** Bora BÖLÜKBAŞ, Ahmet Arda ÇINAR, Mustafa SALMAN. Effect of Sheep and Goat Ruminal Fluid on the in vitro True Digestibility's of Alfalfa Hay and Italian Ryegrass. 4th International Animal Nutrition Congress, February 29-March 3, 2024, Concorde Deluxe Resort Hotel Lara-Antalya, Turkiye	2024
22.	Ahmet Arda ÇINAR, **Muhammad WAQAS,** Noor Ahmad NASTOH, Bora BÖLÜKBAŞ, Mustafa SALMAN. Effect of artichoke extract on the in vitro true digestibility of Cameo variety of rice. 4th International Animal Nutrition Congress, February 29-March 3, 2024, Concorde Deluxe Resort Hotel Lara-Antalya, Turkiye	2024
23.	**Muhammad WAQAS,** Noor Ahmad NASTOH, Ahmet Arda ÇINAR, Bora BÖLÜKBAŞ, Mustafa SALMAN. Physiological Impacts of Novel Feed Additives in Poultry: Potential Replacement for Anti-Microbials-A review. 4th International Animal Nutrition Congress, February 29-March 3, 2024, Concorde Deluxe Resort Hotel Lara-Antalya, Turkiye	2024

24.	**Muhammad Waqas**, Mustafa Salman. Supplementation of mango (*mangifera indica*) as a nutraceutical product in the diet of poultry. 5. International food, agriculture and veterinary sciences congress 17 - 19 February 2023, Kafkas University, Kars, Turkiye.	2023
25.	M. Shahbaz Sharif, Evrim Genc, **Muhammad Waqas**, Sana Shahid, Oktay Genc. Review of accurate and rapid serological detection methods of bovine brucellosis. International Conference on Health Security (ICHS) 14-15 March, 2023, Lahore, Pakistan.	2023
26.	Bora Bölükbaş**, Muhammad Waqas**, Ayşe Gizem Bölükbaş, İsmail Kaya, Mustafa Salman. Determination of *In Vitro* True Digestibility of Rice Straws ensiled with Crude Glycerine and Urea. *3rd International Animal Nutrition Congress, November 17-20, 2022, Antalya/TURKIYE.*	2022
27.	**Muhammad WAQAS**, Mustafa SALMAN. Mitigation of greenhouse gas emissions from poultry house through feed and environmental modulations. VI. International Congress on Domestic Animal Breeding, Genetics and Husbandry - 2022 (ICABGEH-22), October 03 - 05, 2022 – Samsun, Türkiye.	2022
28.	S. Ahmad, A. Mahmud, J. Hussain, K. Javed, M. Usman, S. Mehmood, **M. Waqas**, M. Zaid. Meat quality traits of three chicken genotypes under alternative production systems. Book of Abstracts. 6th International Conference on Sustainable Agriculture in Changing Climate: Strategies and Management. Organized by Faculty of Agriculture, University of Poonch, Rawalakot, Azad Jammu and Kashmir, Pakistan. p. 161	2019
29.	J. Hussain, A. Mahmud, S. Mehmood, M. Usman, S. Ahmad, S. Shaheen, F. Hussnain, **M. Waqas**, M. Zaid, E. Bughio. Backyard type chicken production: A potential tool towards ensuring food security and poverty alleviation in lower- and middle-income groups. 6th International Conference on Sustainable Agriculture in Changing Climate: Strategies and Management. Organized by Faculty of Agriculture, University of Poonch, Rawalakot, Azad Jammu and Kashmir, Pakistan. p. 160	2019
30.	S. Mehmood, T. Hussain, S. Ahmad, K. Javed, J. Hussain, A. Mahmud, M.S. Shaheen, M. Usman, F. Hussnain, S. Javaid, **M. Waqas**. Use of different types of poultry waste compost as an agriculture fertilizer. 6th International Conference on Sustainable Agriculture in Changing Climate: Strategies and Management. Organized by Faculty of Agriculture, University of Poonch, Rawalakot, Azad Jammu and Kashmir, Pakistan. p. 161	2019
31.	Shahid Mehmood, Faisal Hussnain, Asad Ali Shah, Hafiz Muhmmad Ishaq, Jibran Hussain, **Muhammad Waqas** and M.S.Shaheen. Effect of varying levels of pH of water using organic and inorganic acidifiers on meat quality and blood biochemistry in broilers. National Poultry Symposium on Health & Welfare, 11th -12th December 2018, Arid Agriculture University, Rawalpindi-Pakistan.	2018
32.	Asad Ali Shah, Shahid Mehmood, Faisal Hussnain, Khalid Javed, **Muhammad Waqas,** Jibran Hussain, Sohail Ahmad, Muhammad Zaid and Abdul Ghayas. Evaluation of production performance and immune response in broilers reared under different ph levels of treated water. 2nd National Graduate Conference, 28-29 August 2108, Academic Complex, Allama Iqbal Open University, Islamabad.	2018
33.	**Muhammad Waqas**, Athar Mahmud, Shahid Mehmood, Saima Naveed, Jibran Hussain, Sohail Ahmad, Faisal Hussnain, Muhammad Usman, Muhammad Shabir Shaheen, Erum Bughio. Effect of A Prebiotic, Mannan Oligosaccharide (Actigen™) on Production Performance and Carcass Cut Up Yield of Broilers.	2017

	1st International Conference on Poultry Processing: Farm to Fork Management, UVAS, Lahore, Pakistan, November 1-2, 2017.	
34.	Shahid Mehmood, Jibran Hussain, Abdul Ghayas, Muhammad Sajjad Sharif, Athar Mahmud, Muhammad Hayat Jaspal, Hafiz Muhammad Ishaq, Sohail Ahmad, **Muhammad Waqas**. Carcass cut-up yield of sexed broilers with variable body weight reared under different levels of Actigen™ Prebiotic. 1st International Conference on Poultry Processing: Farm to Fork Management, UVAS, Lahore, Pakistan, November 1-2, 2017.	2017
35.	Jamil Kamran, Athar Mahmud, Shahid Mehmood, Jibran Hussain, Sohail Ahmad, Ahmed Sultan Jatoi, **Muhammad Waqas**, Muhammad Usman. Influence of Low Protein and Amino Acid Diets with Different Sources of Protease on Performance, Carcass Yield in Broiler Chickens. 1st International Conference on Poultry Processing: Farm to Fork Management, UVAS, Lahore, Pakistan, November 1-2, 2017.	2017
36.	Muhammad Irfan, Shahid Mehmood, Athar Mahmud, Jibran Hussain, Muhammad Shabir Shaheen, **Muhammad Waqas**, Hafiz Muhammad Ishaq, Sohail Ahmad. Effect of Different Bedding Materials on Growth Performance and Carcass Characteristics of Commercial Broiler Birds. 1st International Conference on Poultry Processing: Farm to Fork Management, UVAS, Lahore, Pakistan, November 1-2, 2017.	2017
37.	Shahid Mehmood, Ali Asalm Bhatti, Faisal Hussnain, Afzal Rashid, Athar Mahmud, Jibran Hussain, Muhammad Hayat Jaspal**, Muhammad Waqas**, Hafiz Muhammad Ishaq. Efficacy of Different Anti Stressors on Growth Performance in Broilers Subjected to Cyclic Heat Stress. 1st International Conference on Poultry Processing: Farm to Fork Management, UVAS, Lahore, Pakistan, November 1-2, 2017.	2017
38.	Rao Kashif Yameen, Jibran Hussain, Athar Mahmud, Shahid Mehmood, Sohail Ahmad, Faisal Hussnain, **Muhammad Waqas**, Yassar abbas, Muhammad Usman. Effect of Probiotics on Production Performance and Carcass Yield of Quails. 1st International Conference on Poultry Processing: Farm to Fork Management, UVAS, Lahore, Pakistan, November 1-2, 2017.	2017
39.	Muhammad Shabir Shaheen, Shahid Mehmood, Athar Mahmud, Jibran Hussain, Sohail Ahmad, Arshad Javid, **Muhammad Waqas**. Comparative Study of Carcass Yield of Three Broiler Strains. 1st International Conference on Poultry Processing: Farm to Fork Management, UVAS, Lahore, Pakistan, November 1-2, 2017.	2017
40.	Tahreem Asad, Shahid Mehmood, Athar Mahmud, Khalid Javed, Faisal Hussnain, Jibran Hussain, **Muhammad Waqas**. Efficacy of Different Anti-Stressors on Carcass Characteristic of Broilers Reared During Hot-Humid Season. 1st International Conference on Poultry Processing: Farm to Fork Management, UVAS, Lahore, Pakistan, November 1-2, 2017.	2017
41.	Muhammad Tahir Khan, Shahid Mehmood, Athar Mahmud, Muhammad Akif Akram, Jibran Hussain, **Muhammad Waqas**, Hafiz Muhammad Ishaq. Effect of Different Feeding Regimes on Growth Performance and Carcass Traits in Commercial Broilers. 1st International Conference on Poultry Processing: Farm to Fork Management, UVAS, Lahore, Pakistan, November 1-2, 2017.	2017
42.	Muhammad Akif Akram, Shahid Mehmood, Athar Mahmud, Jibran Hussain, Sohail Ahmad, **Muhammad Waqas**, Muhammad Usman,Yassar Abbas. Effect of Separate and Combined Sex Rearing on Growth Performance and Carcass Traits in Commercial Broilers. 1st International Conference on Poultry	2017

	Processing: Farm to Fork Management, UVAS, Lahore, Pakistan, November 1-2, 2017.	
43.	Muhammad Talha Altaf, Shahid Mehmood, Athar Mahmud, Khalid Javed, Jibran Hussain, Yassar Abbas, Hafiz Muhammad Ishaq, **Muhammad Waqas**. Effect of Cage-Exchange-Floor Rearing System on Carcass Characteristics in Sexed Broilers Fed at Different Levels of MOS (*Mannan Oligosaccharide*). 1st International Conference on Poultry Processing: Farm to Fork Management, UVAS, Lahore, Pakistan, November 1-2, 2017.	2017
44.	Muhammad Sajjad Sharif, Shahid Mehmood, Muhammad Jaspal Hayat, Ahmad Sultan Jatoi, Jibran Hussain, Abdul Ghayas, Muhammad Usman, **Muhammad Waqas**, Hafiz Muhammad Ishaq. Meat Color of Sexed Broilers of Three Body Weight Categories Supplemented with Probiotic and Antibiotic in Diet. 1st International Conference on Poultry Processing: Farm to Fork Management, UVAS, Lahore, Pakistan, November 1-2, 2017.	2017
45.	Muhammad Usman, Shahid Mehmood, Athar Mahmud, Khalid Javed, Khalid Bilal, Faisal Hussnain, Sohail Ahmad, **Muhammad Waqas**, Muhammad Shabir Shaheen. Carcass Yield and Organ Weights as Influenced by Different House Zones in Sexed Broilers. 1st International Conference on Poultry Processing: Farm to Fork Management, UVAS, Lahore, Pakistan, November 1-2, 2017.	2017
46.	Sohail Ahmad, Mudassar Rasul, Shahid Mehmood, Athar Mahmud, Jibran Hussain, Muhammad Usman, Abdul Rehman, Arshad Javid, **Muhammad Waqas**, Muhammad Zaid. Effect of different Anti-stressors on Meat Quality Attributes of Japanese Quail. 1st International Conference on Poultry Processing: Farm to Fork Management, UVAS, Lahore, Pakistan, November 1-2, 2017.	2017
47.	Mahmud, A. Husnain, S. Mehmood, J. Hussain, M. Usman, **M. Waqas**, S. Ahmad. Egg characteristics of two commercial layer strain under different rearing systems. p. 224. Poultry Science Association, 2017 Annual Meeting Program, Orlando World Center, Marriott, Orlando, Florida, July 17-20, 2017.	2017
48.	**Muhammad Waqas**, Athar Mahmud, Shahid Mehmood, Saima Naveed. Carcass Traits of Commercial Broilers Supplemented with Mannan Oligosaccharide.p.17. International Conference on Foods of Animal Origin, NIFSAT, UAF, Faisalabad, Pakistan, March 30-31, 2017.	2017
49.	**Muhammad Waqas**, Athar Mahmud, Shahid Mehmood, Saima Naveed. Effect of Different Levels of Yeast Based Mannan Oligosaccharide (Actigen™) on Blood Biochemistry and Immune Response of Broilers.p.117. International Poultry Scientific Forum, Atlanta, Georgia, USA, January 30-31, 2017.	2017
50.	Jibran Hussain, Imran Ullah, Atia Basheer, Athar Mahmud, Shahid Mehmood, Sohail Ahmad, Faisal Hussnain, Muhammad Usman, **Muhammad Waqas**, Abdur Rehman, Munawwar Hussain. Growth performance, body measurements and slaughter characteristics as influenced by different patio strategies in Japanese quail. World's poultry Congress,Beijing China, September 5-9, 2016.	2016
51.	**Muhammad Waqas**, Athar Mahmud, Shahid Mehmood and Saima Naveed. Effect of different levels of Actigen™ on growth performance and carcass characteristics in broilers. Food and Nutrition Week; International Poultry Nutrition Conference, November 3-4, 2015, Pearl continental Lahore-Pakistan.	2015

BOOK CHAPTERS

1. Waqar, M., Rafiq, I., Ullah, Q., Nahiduzzaman, F. N., **Waqas, M.,** Ibrahim, N. S., Benabdelmoumene, D., Dahmouni, S., Panpipat, W., & Chaijan, M. (2026). The economic and environmental impact of antibiotic use in livestock farming. In R. U. Khan & S. Naz (Eds.), *Green alternatives to antibiotics in animal health* (pp. 437–451). Springer. https://doi.org/10.1007/978-981-92-0309-3_22
2. **Waqas M,** Salman M, Riaz R, Usman M, Hussain J, Ahmad S and Ahmad M, 2026. Nutraceuticals and herbal therapies in veterinary medicine: concepts, applications, and regulatory perspectives. In: Ahrar Khan, Kaynat Saeed and Maria Rehman (eds), Natural Products in Modern Medicine: Nutraceuticals, Phytochemicals and Herbal Therapeutics. Unique Scientific Publishers, Faisalabad, Pakistan, pp: 175-183. https://doi.org/10.47278/book.TL/2026.310
3. Önal E, **Waqas M,** Salman M, Riaz R and Hussain J, 2026. Immunomodulatory phytonutrients and protective effects against infections phytonutrients and their immunomodulatory effects. In: Ahrar Khan, Kaynat Saeed and Maria Rehman (eds), Natural Products in Modern Medicine: Nutraceuticals, Phytochemicals and Herbal Therapeutics. Unique Scientific Publishers, Faisalabad, Pakistan, pp: 194-202. https://doi.org/10.47278/book.TL/2026.314
4. Kazdal S, Nastoh NA, **Waqas M** and Salman M, 2026. Phytotherapeutics as alternatives to antibiotics to improve growth performance, immunity, beneficial bacterial activities, and meat quality in monogastric animals. In: Ahrar Khan, Kaynat Saeed and Maria Rehman (eds), Natural Products in Modern Medicine: Nutraceuticals, Phytochemicals and Herbal Therapeutics. Unique Scientific Publishers, Faisalabad, Pakistan, pp: 246-255. https://doi.org/10.47278/book.TL/2026.321
5. Bölükbaş B, Kıvrak MB, Türk S and **Waqas M,** 2026. Nutraceutical use in ruminants: rumen health, milk production, and reproduction: integrative roles of nutraceuticals in optimizing rumen function, enhancing lactation performance, and supporting reproductive efficiency in ruminants. In: Ahrar Khan, Kaynat Saeed and Maria Rehman (eds), Natural Products in Modern Medicine: Nutraceuticals, Phytochemicals and Herbal Therapeutics. Unique Scientific Publishers, Faisalabad, Pakistan, pp: 238-245. https://doi.org/10.47278/book.TL/2026.32
6. Ahmad S, Usman M, **Waqas M,** 2026. Prenatal light exposure: enhancing performance and welfare in poultry through lighted incubation. In: Advances in contemporary veterinary science: molecular diagnostics, animal welfare, and antimicrobial challenges. UBAK International Academy of Sciences Association Publishing House®, ISPEC Institute, Ankara / Türkiye. ISBN: 978-625-92209-9-4. https://doi.org/10.5281/zenodo.20138603
7. Saleem, M. A. U., Danish, M. A. U., Bano, F., **Waqas, M.,** Qadir, M. F., Luo, J., Kamal, M.A., & Tang, J. X. (2026). Nutrigenomics: A comprehensive review of gene-diet interactions for personalized nutrition and disease prevention. Academic Press, *Nanomedicine and Nutrigenomics*, 239-267. **ISBN:** 978-0-443-26761-1. https://doi.org/10.1016/C2023-0-52810-1
8. **Waqas M,** Bölükbaş B, Kazdal S, Salman M, Rahman A, Waqar M and Yu H, 2025. Circular solutions in poultry nutrition: Insect meal from food waste, economic feasibility, and consumer insights. In: Şahin T, Ameer K, Abid M and Tahir S (eds), Nutritional Foundations of Holistic

Health: From Supplements to Feed Strategies. Unique Scientific Publishers, Faisalabad, Pakistan, pp: 98-105. ISBN: 978-969-2201-35-3: https://doi.org/10.47278/book.HH/2025.250

9. Bölükbaş B, **Waqas M** and Salman M, 2025. Effects of dietary fat sources on the expression of lipid-related genes involved in the fatty acid profile of ruminant meat. In: Şahin T, Ameer K, Abid M and Tahir S (eds), Nutritional Foundations of Holistic Health: From Supplements to Feed Strategies. Unique Scientific Publishers, Faisalabad, Pakistan, pp: 106-111. ISBN: 978-969-2201-35-3: https://doi.org/10.47278/book.HH/2025.164
10. Saleem, M. A. U., Wisal, M. A., **Waqas, M.,** Mohsin, M., & Aleem, M. T. (2025). Anti-parasitic Drugs. In *Organ-specific Parasites in Cattle* (pp. 249-269). Bentham Science Publishers. **ISBN:** 9789815322118: https://doi.org/10.2174/9789815322101125010l
11. **Muhammed Waqas**, Noor Ahmad Nastoh and Mustafa Salman. 2024. Minerals in Broiler Nutrition. Vitamins and Minerals in Poultry. IKSAD Publications, Ankara, Turkiye. Pp. 169-242. ISBN: 978-625-367-877-7 DOI: https://dx.doi.org/10.5281/zenodo.13984263
12. Çınar AA, **Waqas M**, Nastoh NA, Waqar M and Salman M, 2024. Supplementation of various biotics in poultry nutrition for optimizing well-being. In: Abbas RZ, Akhtar T, Asrar R, Khan AMA and Saeed Z (eds), Complementary and Alternative Medicine: Feed Additives. Unique Scientific Publishers, Faisalabad, Pakistan, pp: 291-300. ISBN: 978-969-2201-18-6: https://doi.org/10.47278/book.CAM/2024.349
13. Ullah A, Ramzan M, Hussain J, **Waqas M**, Hameed S, Nadeem MA, Suleman M, Mushtaq M, Abdullah OM, and Gulzar MW, 2024. Use of botanicals for prevention and treatment of different poultry diseases. In: Abbas RZ, Khan AMA, Qamar W, Arshad J and Mehnaz S (eds), Complementary and Alternative Medicine: Botanicals/Homeopathy/Herbal Medicine. Unique Scientific Publishers, Faisalabad, Pakistan, pp: 65-75. ISBN: 978-969-2201-22-3 https://doi.org/10.47278/book.CAM/2024.041

BOOK PUBLISHED

1. Vitamins and Minerals in Poultry. 2024. Öztürk, E., Karadaş, F., Salman, M., Genç, B., Darmawan, A., Karageçili, M. R., **Waqas, M.,** Nastoh, N. A., Oğuzhan, E., & Özlü, Ş. IKSAD Publishing House, Turkiye. ISBN: 978-625-367-877-7: https://dx.doi.org/10.5281/zenodo.13984263
2. A Manual of Game Bird Production. 2017. Athar Mahmud, Sohail Ahmad, **Muhammad Waqas**. ISBN 978-969-7517-17-6.

EXTENSION CIRCULAR AND POPULAR PRESS

1. **Waqas, M., Kakr, A., Mahmud, A.** 2019. Rumor about the use of arsenic in poultry feed and meat and the reality. Urdu Version (The Veterinary News and Views)
2. **Mehmood, S., Waqas, M**. January 2018. Yeast based mannan oligosaccharide improves broiler performance. Pakistan Poultry Mag. (PP MAG)
3. **Waqas,M.** April 2017. The role of science and macro-management on the behavior and welfare of egg laying chicken hens. Pakistan Poultry Mag. (PP MAG)

PROFESSIONAL/ ORGANIZATIONAL SERVICES RENDERED

- **Member** disciplinary committee **"Poultry Science Conference"** held at IPEX Lahore, 8-10 October 2026.
- **Member** organizing committee of the **"Know your food, know your health"** Quiz Competition during IPEX 2026 in collaboration with Pakistan Poultry Association, Expo Centre, Lahore, Pakistan, 9 October 2026
- **Secretary** Organizing Committee for Seminar on **"Poultry Health and Production Economics"** on June 22, 2026, organized by Department of Poultry Production, UVAS Ravi Campus.
- **Secretary** Organizing Committee and Editorial and Scientific Committee for **"2nd International Graduate Research Conference (GRC-2026)"** on June 9–10, 2026, organized by Department of Poultry Production, UVAS Ravi Campus, in collaboration with the Poultry Professionals Society (PPS) Pakistan.
- **Secretary** Editorial and Scientific Committee for **"2nd International Graduate Research Conference (GRC-2026)"** on June 9–10, 2026, organized by Department of Poultry Production, UVAS Ravi Campus, in collaboration with the Poultry Professionals Society (PPS) Pakistan.
- **In-charge,** BS (Hons.) Poultry Science 2nd Semester, 16 February 2026 to 26 June 2026, Department of Poultry Production, University of Veterinary and Animal Sciences, Lahore-Pakistan.
- **Member** Scientific Committee for **International Interdisciplinary Science and Technology Congress** organized by Kafkas University, Türkiye on March 27-28, 2026
- **Member** Degree Distribution Committee on the occasion of "**16th UVAS convocation 2025**", held on 18 December 2025 at University of Veterinary and Animal Sciences, Lahore
- **Member** organizing and refreshment committee "**AllTech Mini Sports Gala**" held at UVAS, Ravi Campus Pattoki in collaboration with Department of Poultry Production and AllTech Pakistan Pvt ltd, on December 10, 2025.
- **Member** organizing and convener for refreshment committee, one-day training workshop on "**Essentials of Small-Scale Poultry Production**" organized by Department of Poultry Production, University of Veterinary and Animal Sciences, Ravi Campus, Pattoki, Pakistan, November 19, 2025.
- **In-charge,** BS (Hons.) Poultry Science 3rd Semester, 15 September 2025 to 09 January 2026, Department of Poultry Production, University of Veterinary and Animal Sciences, Lahore-Pakistan.
- **Member** organizing committee, seminar on "**Lighting the Future: A Research Support Initiative to Advance Understanding of Light's Role in Animal Production and Welfare**" organized by Department of Poultry Production, University of Veterinary and Animal Sciences, Ravi Campus, Pattoki, Pakistan, 12 November 2025
- **Member** organizing committee and convener for refreshment committee "**World Egg Day**", organized by Department of Poultry Production, University of Veterinary and Animal Sciences, Ravi Campus, Pattoki, Pakistan, 10 October 2025

- **Trainer:** Laboratory staff for "BASIC COMPETENCY TRAINING PROGRAM" organized by Faculty of Veterinary Science, UVAS, Lahore, on August 27-28,2025
- **Resident Tutor**, Liaqat Hall, University of Veterinary and Animal Sciences, Lahore-Pakistan, Ravi Campus, since August 2016 to 09-06-2021.
- **In-charge Layer Experimental Unit** (layer strains experience: Nick chick white, Novogen white light, Hyline-W36, LSL-lite, and Bovans), A-Block, Ravi Campus, since 23 May 2016 to 2 June 2021. Department of Poultry Production, University of Veterinary and Animal Sciences, Lahore-Pakistan.
- **In-charge,** BS (Hons.) Poultry Science 3rd Semester, August to December 2018, Department of Poultry Production, University of Veterinary and Animal Sciences, Lahore-Pakistan.
- **Member,** Accommodation Committee, "**Trends and innovations in food processing technology: Prospects and challenges**" on 7th -8th November, 2018, organized by Department of Dairy Technology, University of Veterinary and Animal Sciences, Lahore-Pakistan.
- **Member** of summer camp on "**Basics of Research Methods in Animal Production"** June 25-28, 2018, organized by Department of Poultry Production, University of Veterinary and Animal Sciences, Lahore-Pakistan.
- **In-charge,** BS (Hons.) Poultry Science 1st Semester, December to April, 2017, Department of Poultry Production, University of Veterinary and Animal Sciences, Lahore-Pakistan.
- **Member,** Accommodation Committee, **"Conference on Recent Trends in Food Processing and Technology"** November 15-16, 2017, organized by Department of Dairy Technology, University of Veterinary and Animal Sciences, Lahore-Pakistan.
- **Secretary,** Press, Media and Advertisement Committee, **"International Conference on Poultry Processing-(ICPP-2017)"** November 1-2, 2017, organized by Department of Poultry Production, University of Veterinary and Animal Sciences, Lahore-Pakistan.
- **Member,** Registration Committee, **"International Conference on Poultry Processing-(ICPP-2017)"** November 1-2, 2017, organized by Department of Poultry Production, University of Veterinary and Animal Sciences, Lahore-Pakistan.
- **Member,** Scientific Committee, **"International Conference on Poultry Processing-(ICPP-2017)"** November 1-2, 2017, organized by Department of Poultry Production, University of Veterinary and Animal Sciences, Lahore-Pakistan.
- **In-charge Broiler Experimental Unit** (environmentally controlled house), C-Block, Ravi Campus, from 9 February 2015 to 19 May 2016, Department of Poultry Production, University of Veterinary and Animal Sciences, Lahore-Pakistan.

TRAININGS/WORKSHOPS/SEMINARS/WEBINARS/CONFERENCES

- Attended **"IPEX 2026"** held on 8-10 October 2026, Expo Centre Lahore.
- Attended **"Incubation & Fertility Conference"** organized by Department of Poultry Production, UVAS in collaboration with World's Poultry Science Association-Pakistan Branch, 6-7 October 2026 at Nishat Hotel Lahore.

- Attended **"Poultry Health and Production Economics"** organized by the Department of Poultry Production, University of Veterinary and Animal Sciences, Ravi Campus, Pattoki, Pakistan, June 22, 2026.
- Attended "**International Interdisciplinary Science and Technology Congress"** organized by Kafkas University, Türkiye on March 27-28, 2026
- Attended a one-day training workshop on **"Essentials of Small-Scale Poultry Production"** organized by the Department of Poultry Production, University of Veterinary and Animal Sciences, Ravi Campus, Pattoki, Pakistan, November 19, 2025.
- Attended, seminar on **"Lighting the Future: A Research Support Initiative to Advance Understanding of Light's Role in Animal Production and Welfare"** organized by the Department of Poultry Production, University of Veterinary and Animal Sciences, Ravi Campus, Pattoki, Pakistan, 12 November 2025
- Attended **"The International Poultry Expo (IPEX 2025)"** held at the Expo Centre Lahore. Organized by the Pakistan Poultry Association (PPA), October 23–25, 2025.
- Attended **"Poultry Science Conference (PSC@IPEX2025)"** organized by the University of Veterinary and Animal Sciences (UVAS), and Pakistan Poultry Association (PPA) on October 23, 2025, at Expo Center, Lahore, Pakistan.
- Attended **"World Egg Day",** organized by the Department of Poultry Production, University of Veterinary and Animal Sciences, Ravi Campus, Pattoki, Pakistan, 10 October 2025
- Attended **"Petersimes' Operational Excellence™ Day",** August 21, 2025
- Participated in virtual **"5th International Conference on Veterinary Medicine and Health Science"** organized by the Faculty of Veterinary Medicine, Universitas Airlangga, Indonesia, 6 August 2025
- Participated in Workshop on **"Creating a safe workplace: understanding and implementing the protection against harassment of women at the workplace act, 2010 (as amended by the act of 2022"** Organized by Institutional Harassment Committee, University of Veterinary and Animal Sciences, Lahore, Pakistan, 29 July 2025
- Attended **"Zoonoses for Field Veterinarians"** organized by FAO and Veterinary Continuing Education in Europe, 0.5 ECTS credit as a level 7 postgraduate (advanced) training course, 15 April-16 May, 2025
- Attended **"9th International ICONTECH CONGRESS on Innovative Surveys in Positive Sciences"** April 1-2, 2025, organized by Azerbaijan Cooperation University, Baku, Azerbaijan
- Attended **"MedPlants4Vet Training School: COST Action Training School, February 11-14, 2025; Herb Power for Animal Health: From Tradition to Legislation"** organized by MedPlants4Vets-FiBL under COST ACTION: CA22109, funded by the European Union.
- Attended **"Applied Molecular Diagnostic Methods Training – I"** organized by Black Sea Advanced Technology Application and Research Center (KİTAM), Ondokuz Mayis University, Turkiye on 25-26 December, 2024.

- Successfully completed **"Feeding the World"** an online non-credit course authorized by the University of Pennsylvania and offered through Coursera, 2024
- Attended **"12th International May 19 Innovative Scientific Approaches Congress".** 24-25 December 2024, Samsun / TÜRKİYE. ISBN:: 978-625-8254-64-8
- Attended **"Young Trade Ambassadors Training"** conducted by MÜSİAD Samsun within the scope of the Middle Black Sea Development Agency 2024 Value-Added Production and Export Enhancement Technical Support Program, Samsun, Turkiye, 5-20 October, 2024.
- Attended **"Biosecurity and Biosafety Training"** organized by Directorate of Veterinary Control Institute, Ministry of Agriculture and Forestry, Turkiye, 01-04 October 2024.
- Attended **"4th International Animal Nutrition Congress"** organized by Animal Nutrition Science Association, 29th February – 3rd March 2024 at Concorde DeLuxeResort, Lara – Antalya/Türkiye
- Attended **"Project Preparation and Writing Training for Graduate Students"** of 28 credit hours conducted by the Continuing Education Center, Ondokuz Mayis University, Turkiye, 07-12 December 2023
- Attended 1 1-hour webinar on **"Do We Need Animals for Scientific Research?"** conducted by Karolinska Institute, Karolinska University Hospital, Sweden, 8 December 2023
- Successfully completed **"Learning for a Sustainable Future"** an online non-credit course authorized by The University of Edinburgh, British Council and Learning for Sustainability Scotland and offered through Coursera, November 25, 2023
- Attended the ATF webinar on "**Agricultural Methane - Assessing its Significance and Seeking Solutions"** on 06 November 2023, organized by Animal Task Force, European Union-France
- Attended 1-hour webinar on **"Leveraging Knowledge of Research Animal Behavior to Enhance Welfare"** conducted by Karolinska Institute, Karolinska University Hospital, Sweden, 27 October 2023
- Attended webinar on **"Diversity, Equity, and Inclusion (DEI) in Veterinary Education-importance and potential way forward for Asia"** on 29 June 2023, organized by the Asian Association of Veterinary Schools.
- Successfully completed training on **"Foreign Trade"** organized by the Ankara Chamber of Industry on March 19-20, 2022.
- Attended **"VI. International Congress on Domestic Animal Breeding, Genetics and Husbandry - 2022 (ICABGEH-22)"** October 03 - 05, 2022 – Samsun, Türkiye.
- Attended an online short course on **"Poultry Management"** organized by USSOY and USSEC, 24-25 September, 2021.
- Attended webinar on **"Broiler Breeder Management in Cages"** organized by USSOY on April 22, 2021.
- Attended Seminar on **"Use of Antibiotic Alternatives in Poultry Industry: Current and Future Prospects"** organized by Department of Poultry Production,10th March 2021, UVAS, Lahore

- Participated in International Webinar on **"The statistical Package R: An essential tool for genomics research"** October 14, 2020, organized by Institute of Biochemistry & Biotechnology (IBBt), University of Veterinary & Animal Sciences, Lahore-Pakistan.
- Participated in the **"World Egg Day"** held on 9th October 2020, organized by Department of Poultry Production, UVAS-Lahore, Ravi Campus, Pattoki-Pakistan.
- Participated in International Webinar on **"COVID-19 Biochemical diagnosis and community response"** on 21st August 2020, organized by Institute of Biochemistry & Biotechnology (IBBt), University of Veterinary & Animal Sciences, Lahore-Pakistan.
- Successfully completed online course **"Backyard Poultry"** authorized by University of Arkansas System and offered through Arkansas Extension, 16 June 2020.
- Successfully completed online course on **"Emerging respiratory viruses, including COVID-19: methods for detection, prevention, response and control"** organized by World Health Organization, June 7, 2020.
- Participated in two-days conference on **"4th conference on Emerging Trends in food Production and Processing"** organized by Department of Dairy Technology, University of Veterinary and Animal Sciences, Ravi Campus, Pattoki, Pakistan, 13-14 November 2019.
- Attended **"International Poultry Expo"** held on 13, 14 and 15 September 2019 at Expo Centre, Lahore-Pakistan.
- Attended Seminar on **"2nd WPSA Seminar on Broiler Breeder Essentials"** on 11 April 2019, organized by World's Poultry Science Association-Pakistan Branch.
- Participated in two days' conference on "**Trends and innovations in food processing technology: Prospects and challenges"** on 7th -8th November, 2018, organized by Department of Dairy Technology, University of Veterinary and Animal Sciences, Lahore-Pakistan.
- Attended seminar on **"Continuous Professional Development"** on 23rd October 2018, held at Auditorium, organized by Department of Poultry Production, University of Veterinary and Animal Sciences, Lahore-Pakistan.
- Attended seminar on **"Continuous Professional Development"** on 20th October 2018, organized by Department of Poultry Production, held at Dawat Restaurant, Okara-Pakistan.
- Participated in the **"World Egg Day"** held on 12th October 2018, organized by Department of Poultry Production, UVAS-Lahore, Ravi Campus.
- Attended **"International Poultry Expo"** held on 27, 28 and 29 September 2018 at Expo Centre, Lahore-Pakistan.
- Participated in **"Two Days Training of Presiding Officers and Sr. Assistant Presiding Officers-GE"** Organized by Election Commission of Pakistan, at Govt. College for Boys, Pattoki-Pakistan, on 9th and 10th July, 2018.
- Participated in summer camp **"Basics of Research Methods in Animal Production"** organized by Department of Poultry Production, UVAS, Ravi Campus, June 25-29, 2018

- Attended Training Workshop on **"Endnote X7 Basic"** organized by Department of Statistics & Computer Science with collaboration of IT Center, Ravi Campus University of Veterinary and Animal Sciences, Lahore-Pakistan, on Tuesday, June 26, 2018.
- Attended Two days' national workshop on **"Hands-on Training on Necropsy Practice"** organized by Department of Pathology, on 23rd-24th April, 2018, University of Veterinary and Animal Sciences, Lahore-Pakistan.
- Attended three days training on **"Andragogical/pedagogical skills"** organized by Punjab Higher Education Commission on 25th-27th January, 2018, at University of Education, Lahore-Pakistan
- Attended **"Poultry Club Meeting"** organized by Department of Poultry Production held on 27th February 2018 at UVAS, Ravi Campus, Pattoki-Pakistan.
- Participated in Conference on **"Recent Trends in Food Processing and Technology"** organized by Department of Dairy Technology, University of Veterinary and Animal Sciences, Ravi Campus, Pattoki, Pakistan, 15-16 November 2017
- Participated in **"1st International Conference on Poultry Processing, Farm to Fork Management"** organized by Department of Poultry Production, University of Veterinary and Animal Sciences, Lahore, Pakistan, 1-2 November 2017.
- Attended conference on **"International Parasitology Conference (PARACON)"** on 16-17 October, 2017, organized by the Pakistan Society of Parasitology and Department of Parasitology, UVAS, Lahore- Pakistan.
- Participated in **"International Poultry Expo"** under the Auspices of Pakistan Poultry Association, Pakistan, 24-26 August 2017
- Attended workshop entitled **"Advanced Learning of Artificial Insemination in Chicken: An Emerging Trend in Pakistan Poultry Industry**" at UVAS, Ravi Campus, A Block, from 27-29 September 2016.
- Attended Seminar on **"Compost- a future tool"** held at Okara in Hotel Well Beans, September 20, 2016
- Attended **"International Poultry Expo"** held on 22, 23 and 24 September 2016 at Expo Centre, Lahore-Pakistan.
- Attended **"Poultry Club Meeting"** organized by "Department of Poultry Production" held on 26 February 2015 at UVAS, Ravi Campus, Pattoki-Pakistan.
- Attended workshop on **"Capacity Building of Young Researchers"** organized by Department of Poultry Production, June 15-18, 2015, UVAS, Ravi Campus, Pattoki-Pakistan.
- Attended "**International Poultry Nutrition Conference"** on 3rd and 4th of November, 2015, Pearl Continental Hotel, Lahore-Pakistan.
- Attended workshop on "**Research Methodologies Using Statistical Techniques in Biological Sciences"** Organized by Department of Statistics & Computer Science, University of Veterinary & Animal Sciences, Lahore scheduled on December 17-23, 2015.
- Attended **"International Poultry Expo**" held on 25, 26 and 27 September 2014 at Expo Centre, Lahore-Pakistan.

- **Visit of Various Poultry Farms** (Sharif's Group of Poultries, Big Bird Group of Poultries and Bird Inn Poultries), 2014.

MEMBERSHIPS

- Registered Veterinary Medical Practitioner (RVMP), Pakistan Veterinary Medical Council (PVMC)
- Registered Veterinary Medical Faculty (RVMF-PVMC)

ACHIEVEMENTS

- Award of Erasmus+ Program (Traineeship mobility, 2024-2025) for the University of Kassel, Germany
- Award of the Türkiye Bursları Scholarship for PhD Studies from the Turkish Government 2020.
- Awarded shield of appreciation as an organizer of "International Conference on Poultry Processing" 1-2 November, 2017.
- Award of merit laptop on DVM basis from PM laptop scheme, 2016
- Awarded shield for getting 2nd in Poster Competition, University of Veterinary and animal Sciences, 2015; Title: "Effect of different levels of yeast based mannan oligosaccharide (actigen™) on growth performance, carcass characteristics, blood biochemistry and immune response of broilers".
- Award of PEEF Merit Scholarship from 2009-2014
- Award of Merit Certificate and Bag by PEEF 2012-2013
- Award of Merit Scholarship by BISE Faisalabad 2007-2009

TECHNICAL AND COMPUTER SKILLS

Technical and Laboratory Skills	Computer Skills
Proximate analyses (**Weende analysis**) • Soxhlet (fat analysis) • Kjeldahl (crude protein) • Dry matter (hot air oven) • Crude ash (muffle furnace) • Energy determination (bomb calorimeter)	**Microsoft Office** MS-word MS-PowerPoint MS-Excel
Fiber analyses (**Van Soest-Method)** • NDF • ADF • ADL	**Statistical software** *IBBM SPSS and SAS (9.1) version *GPower
***In Vitro* Studies skills** • *In vitro* True Digestibility (DaisyII)-Ankom Technology • Gas Production -Ankom Technology	*Mendeley *Endnote X9
Sodium dodecyl sulfate-polyacrylamide gel electrophoresis (SDS-PAGE)	**Graphic design software skills** *Canva *BioRender
• RT-qPCR (Polymerase chain reaction) RNA and DNA extraction	

• enzyme-linked immunosorbent assay (ELISA) (ELISA reader) • BioSystem-Biochemistry analyzer (blood biochemical profile) • Spectrophotometer	
Chromatography (HPLC)	
Necropsy and autopsy procedures	

LANGUAGES SKILLS

Urdu: National

English: Advanced-C2

Turkish: Moderate-C1

Punjabi: Regional

REVIEWER OF INTERNATIONAL JOURNALS

1. Frontiers in Veterinary Science
2. Pakistan Veterinary Journal
3. Annals of Animal Science
4. Tropical Animal Health and Production SpringerNature
5. Veterinary Medicine International (Wiley)
6. Poultry Science and Management SpringerNature
7. Discover Applied Sciences SpringerNature
8. Insights in Animal Science
9. European Journal of Nutrition and Food Safety

REFERENCES

Prof. Dr. Saima

Professor/Dean

Department of Animal Nutrition, Faculty of Animal Production and Technology, University of Veterinary and Animal Sciences, Lahore-Pakistan.

Phone: +92 333 8363561 E-mail: saimamahad@uvas.edu.pk

Dr. Jibran Hussain

Chairman/ Associate Professor

Department of Poultry Production, University of Veterinary and Animal Sciences, Lahore-Pakistan.

Phone: +92 301 7008767 E-mail: jibran.hussain@uvas.edu.pk

Prof. Dr. Mustafa SALMAN

Professor/PhD Supervisor

Department of Animal Nutrition and Nutritional Diseases

Faculty of Veterinary Medicine, Ondokuz Mayıs University, Samsun, Turkiye

Phone: +90 505 7765603 Email: msalman@omu.edu.tr or mbnsalman@gmail.com