

CURRICULUM VITA

Name: Muhammad Mushtaq
Father Name: Muhammad Nasir
Date of Birth: 15.03.1982
Marital status: Married
Current position: Assistant Professor
Academic Qualification: Animal Husbandry, M.Sc (Hons) Poultry Science, Ph.D Poultry Science (Pakistan)
Mailing address: Office No. 108, New Building of College of Veterinary Sciences, Faculty of Animal Husbandry and Veterinary Sciences, The University of Agricultural, Peshawar, Pakistan
E-mail: zonail143@gmail.com/zonail143@aup.edu.pk
Web page: <http://www.aup.edu.pk>

ACADEMIC QUALIFICATION:

Ph.D Poultry Science: * 1st Division 2020 The University of Agriculture Peshawar
M. Sc (Hons) Poultry Science * 1st Division 2007 The University of Agriculture Peshawar
B. Sc (Hons) Animal Husbandry * 1st Division 2005 The University of Agriculture Peshawar
F. Sc. (Pre Medical) * 1st Division 2001 BISE Peshawar
SSC (Science) 1st Division 2000 BISE Peshawar

Specialization in Poultry Science/Avian Physiology.

Employment Record/ Position Held

Position	BPS	Status	Period
Assistant Professor	19	Regular	18.09.2017
Lecturer	18	Regular	25.06.2014 to 17.09.2017
Lecturer	18	Contract	20.03.2009 to 25.06.2014
Lecturer	--	Volunteer	02.2006 to 06.2007
Research Officer	17	Internee (NIP)	02/07/2007 to 30/06/2008

Responsibilities and Skills

1. Teaching to undergraduate and post graduate students.
2. Evaluation of Graduate and undergraduate thesis/dissertation report.
3. Supervising the research students as supervisor and as well as member in different departments of the faculty.
4. Performing the Statistical Analysis of the research data of the students.
5. Work with Quality Enhancement Cell as member.
6. Working in collaboration with the youngsters to encourage them for better work and research.
7. Arranging visits for students to different research organization.
8. Focal Person of the department for Higher Education Commission (HEC) through Quality Enhancement Cell/Directorate of Quality Assurances (QEC).

Courses Taught

S. No.	Name of Course	Class
01	Introduction to Poultry Husbandry	DVM
02	Poultry Breeding and Hatchery Management	DVM
03	Poultry Farm Operation	DVM
04	Avian Production	DVM
05	Avian physiology	Ph.D. / M. Sc. (Hons)
06	Advance Poultry Production	M. Sc (Hons)
07	Hatchery Management	M. Sc (Hons)
08	Poultry Housing and Environment	M. Sc (Hons)
09	Avian Embryology	Ph. D

Seminar/ Conference/ Training/ Workshop

1. One day seminar on “Bird flu-surveillance, Prevention and control” Veterinary Research Institute, Peshawar on 16-06-2007.
2. Workshop on “Project Management” The University of Agriculture Peshawar. 2-3 April 2010
3. Professional Competency Enhancement Program for Teachers (PCEPT)” organized by Higher Education Commission (HEC) Pakistan. The University of Agriculture Peshawar. 10/05/2010 to 10/06/2010
4. As a resource person. Training on “Basics of Poultry Management” The University of Agriculture Peshawar.27/07/2010 to 20/08/2010.
5. International Workshop on Dairy Science Parks, November 21-23, 2011
6. Workshop on Higher Education Quality Assessment. The University of Agriculture Peshawar. 13/12/2011.
7. Cascading of AIT based Training program “Ensuring Training Effectiveness” The University of Agriculture Peshawar.09-11 July 2012.
8. National Prosperity through Livestock and Poultry Development. Gomal University Dera Ismail Khan. 12-13/11/2012.
9. Five days training on “Poverty Reduction Strategies for Rural Development” by Pakistan Rural Academy Peshawar.
10. 2nd International Workshop on Dairy Science Parks, November 18-20, 2013
11. Three days training on “Socio-economic Development and Labour Migration” by Pakistan Manpower Institute Islamabad.
12. Conducted the Field Tasks for “Communities Waging Peace: Piece by Piece” by PAIMAN Alumni Trust.
13. Trained 20 male farmers from District Peshawar in modern broiler production under Dost funding.

LIST OF PUBLICATIONS

1. **Mushtaq M**, F. R. Durrani, N. Imtiaz, UmerSadique, A. Hafeez, S. Akhtar and S. Ahmad 2011. Effect of Administration of Withaniasomnifera on Some Hematological and Immunological Profile of Broiler Chicks Pak Vet J, 32(1): 70-72.
2. Muhammad, D. N. Chand, S. Khan, A. Sultan, **M. Mushtaq** and Rafiullah. (2012). Hepatoprotective role of milk thistle (Silybummarianum) in meat type chicken fed aflatoxin B1 contaminated feed. Pak .J. Vet. Sci. 32(3):443-446.
3. Raziq, F., S. Khan, N.Chand, A.Sultan, **M. Mushtaq**, Rafiullah, S.M.Suhail and A. Zeb. (2012). Effect of water based Infusion of aloe barbedensis, pimpinellaanisum, berberisLycium, trigonellafoenumgraecum and allium sativum on the performance of broiler chicks. Pak .J. Vet. Sci. 32(4): 593-596.
4. Yasir J. S. Khan, N. Chand, **M. Mushtaq**, A. Sultan and Rafiullah. (2012). Comparative Efficacy of Different Schedules of Administration of Medicinal Plants mixed Infusion on Hematology of broiler Chicks. Sarhad J. Agric. 28(2):327-331.
5. U. Sadique, Z.. I. Chaudhry, M. Y. Rana, A. A. Anjum, Z. Hassan, A. Sajid and **M. Mushtaq**. 2012. Pathogenesis and Immunohistochemical studies of contagious caprinePleuropneumonia in experimentally inoculated goat. Pak. Vet. J. 11-346.
6. Sadique, U, Z. I. Chaudhry¹, M. Y. Rana² , A. A. Anjum³, Z. Hassan, **M. Mushtaq**, A. Sajid and S. Sabtain. 2012. Molecular Characterization of Contagious CaprinePleuropneumonia (CCPP) in Small Ruminants of Khyber Pakhtunkhwa, Pakistan. J. Ani. Plant Sci, 21(Supll 1) pp 902-907.
7. Sadique U, Z. I Chaudhry, M. Y Rana , A. AAnjum, M Idrees Z. Hassan, **M. Mushtaq** and A. Said 2012. Clinico-pathological study of Contagious Caprinepleuropneumonia CCPP) in Small Ruminants Pakistan. J. Ani. Plant Sci, 21(Supll 1) pp 908-913.
8. A. Kaka, M. U. Samo, T. H. Rahoo, Z. U. Rehman, Z. Shah, **M. Mushtaq**, U. Kaka and A. A. Behan. 2012. Study on post thawing quality of Kundhi buffalo semen. J.Ani. Plant Sci., 22(2 Suppl.): 59-62.
9. S. Khan, A. Sultan, N. Chand, **M. Mushtaq**, Rafiullah and M. S Qureshi. 2012. Garlic (Allium sativum) Modulated Serum Cholesterol Level and Improved Immune Status and Carcass Quality of Meat Type Birds. The 15th AAAP Animal Science Congress. The Animal Husbandry Association of Thailand. p 192.

10. Ahmad, I., T. A. Qureshi¹, U. Sadique, S. A. Khan², S. Ahmed³, Z. U. Rehman, S. Bahadar and **M. Mushtaq**. 2013. Hematological Effects of Diclofenac Sodium In Goat. *J. Anim. Plant Sci*, 23(Sup 1): 103-107.
11. **Muhammad Mushtaq**, Shabana Naz, Sarzamin Khan, Sajid-ur-Rehman and Rifat Ullah Khan. 2013. In vivo effect of Berberis lyceum and Silybum marianum on production performance and immune status in broiler chicks. *Archiv Tierzucht Archives Animal Breeding*. 56 (2013) 91 doi: 10.7482/0003-9438-56-091.
12. Saadullah, Hidayatullah, Muhammad Daud, Basreen Akhtar, Imran khan, Ghazi Rehman, Maqsood Qaiser, Arshad Qayyum, Waqar Younas, Allah Nawaz, Sajad Ahmed, Zenat Fatima Khattak, Mirina Sakhi, **Muhammad Mushtaq**. 2014. Bacteriological and Physico-Chemical Analysis of Irrigation Water Sources of Kohat, Pakistan. *International Journal of Advancements in Research & Technology*, Volume 3, Issue 3, ISSN 2278-7763.
13. Muhammad Daud, Sohail, Saadullah, Hasnain Nangyal, Hidayatullah, **Muhammad Mushtaq**, Basreen Akhtar and Zenat Fatima Khattak. 2014. Comparative in vitro study of Euphorbia cf Serrata stem extract against different pathogenic bacteria. *International Journal of Biosciences* Vol. 4, No. 5, p. 182-186.
14. **Muhammad Mushtaq**, Basreen Akhtar, Muhammad Daud*, Saadullah, Samrana, Fakhar Mohsin, Ghazi Rehman, Sajid Iqbal, Zaffar Iqbal, Malik Zeb Khan, Umar Saddique. 2014. In vitro antimicrobial activity of guava leaves extract against important bacterial and fungal strain. *International Journal of Biosciences*. Vol. 4, No. 10, p. 188-192.
15. Azam Hayat, Fazal Malik, Muhammad Daud and **Muhammad Mushtaq**. 2014. Sero-diagnosis of Hepatitis C Virus infection in IDPs of Waziristan Residing at Bannu Camp in 2014. *Journal of Bio-Molecular Sciences (JBMS)*. 2(3): 72-77.
16. **Mushtaq, M.**, U. Sadique, N. Chand, I. Ahmed, S.S.A. Shah, I. Ahmad, Imran-Ullah and M. Shah. 2016. Biochemical effect of water based infusion of Withania somnifera in broiler production. *Meat Sciences and Veterinary Public Health*, 1(1):17-20.
17. Naveed Iqbal, Muhammad Tahir Khan, Haq Amanullah, Israru Din, Hamayun Khan, Muqader Shah and **Muhammad Mushtaq**. 2019. Effect of feeding different levels of discarded date palm (*Phoenix dactylifera*) on digestibility, milk yield, and composition in Damani sheep. *Tropical Animal Health and Production*. <https://doi.org/10.1007/s11250-019-01919-w>.
18. **Muhammad Mushtaq**, Naila Chand, Umer Saddique, Sarzamin Khan. 2020. Protective role of methanolic extract of medicinal plants in paracetamol induced toxicity in laying hens.

19. **Muhammad Mushtaq**, Naila Chand, Sarzamin Khan, and Umer Saddique. 2021. In Vivo Effect of Medicinal Plants on Some Serum Biochemical Parameters in Laying Hens. J Pharmacogn Nat Prod, Volume 7:5,
20. Muhammad Mushtaq, Umer Sadique, Faizan Said, Muqaddar Shah, Haq Amanullah, Faisal Anwer. 2021. Immunomodulatory and hepato-protective role of water based supplemented *Bacillus clausii* in broiler chicks. J. Saudi Society of Agricultural Sci. <https://doi.org/10.1016/j.jssas.2021.07.003>
21. Muhammad Shahkar Uzair, **Muhammad Mushtaq**, Muhammad Shoaib et al., (2023). Enhanced Neomycin antibiotic properties through proteolytic enzyme in *Escherichia coli* induced infection in broiler chicks. Pakistan J. Zool., pp 1-6.
22. **Mushtaq** et al., (2023). Effect of single specie probiotic on production parameters and intestinal histomorphology of meat type chicken. Pakistan J. Zool., pp 1-8
23. Fazal Raziq, **Muhammad Mushtaq**, Erum Bughio, Muhammad Tahir Khan, Arif Hameed, Hafiz Allah Bachaya, Mushtaq Ahmad Gondal and Mubasher Rauf. 2023. Dose dependence studies of Aniseed (*Pimpinella anisum*) and Ginger (*Zingiber officinale*) extract mixture on growth promoting and immunomodulatory effects in broiler chicks. Pure Appl. Biol., 12(2):197-205,
24. **Muhammad Mushtaq**, Ihsan Ullah Khan, Muhammad Shuaib, Naila Chand, Abubakar Sufyan, Muqader Shah, Ziaul Islam, Muhammad Shahkar Uzair, Aamer Khan, Qudrat Ullah and Usman Zeb. 2023. Effect of Probiotic *Bacillus clausii* on Production Parameters and Intestinal Histomorphology of Meat-Type Chicken. Pakistan J. Zool., pp 1-8.
25. **Muhammad Mushtaq**, Baseerat Ali, Majid Ali, Neelam BiBi, Rabin Raut, Gamaleldin M. Suliman, Ayman A. Swelum. 2024. Different levels of single-strain probiotic (*Bacillus subtilis*) with proteolytic enzyme (serratiopeptidase) can be used as an alternative to antibiotic growth promoters in broiler. Poultry Science. 103(3): <https://doi.org/10.1016/j.psj.2023.103400>.
26. **Mushtaq** et al., (2024). Antibacterial and Immuno-Modulatory Effects of Probiotics and Phytobiotics in Spent Rhode Island Red Layers. Pakistan J. Zool., pp 1-12. DOI: <https://dx.doi.org/10.17582/journal.pjz/20230305080346>
27. **Mushtaq** et al., (2024). Biochemical Assessment of Oxidative Status and Liver Biomarkers in Acetaminophen Associated Hepatic-Toxicity in Broiler Chicks. Pakistan J. Zool., pp 1-9. DOI: <https://dx.doi.org/10.17582/journal.pjz/20230613050644>
28. Muhammad Shoaib, Adnan Shams, Sarzamin Khan, **Muhammad Mushtaq**, Miss Najma Shams, Muhammad Amir and Zahid ullah. 2024. In-vitro and In-vivo antibacterial effects of Hydroxamic Acidin broilers. **Accepted for publication in Pakistan Journal of Zoology.**