

CURRICULUM VITAE

Sheraz Ahmed Bhatti

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Date of Birth: April 07, 1983



EDUCATION

- **Doctor of Philosophy (Pathology)** 2015
University of Agriculture, Faisalabad
Thesis Title: "Mycotoxicosis in chicken and its prevention by different inactivating substances".
Supervisor: Prof. Dr. M. Zargham Khan
- **Master of Philosophy (Pathology)** 2010 CGPA 3.81/4.00
University of Agriculture, Faisalabad
Thesis Title: "Ameliorative effects of carnitine and vitamin E upon ochratoxin A induced immuno-toxicological effects in white leghorn cockerels"
Supervisor: Prof. Dr. M. Zargham Khan
- **DVM** 2008 CGPA 3.32/4.00
University of Agriculture, Faisalabad
- **F. Sc. (Pre-medical)** 2002 Marks 759/1100
Govt. Degree College Chikar, Azad Kashmir
- **Matric (Science)** 1998 Marks 574/850
Govt. High School Chikar, Azad Kashmir

PROFESSIONAL EXPERIENCE

- **Feb 2018- to-date**
Assistance Professor (TTS)
Department of Pathobiology, Faculty of Veterinary Sciences,
Bahauddin Zakariya University, Multan.
- **May 2016- May 2017**
Assistance Professor (IPFP)
Department of Pathobiology, Faculty of Veterinary Sciences,
Bahauddin Zakariya University, Multan.

PUBLICATIONS

Published Articles

1. Saeed W, Qamar M, Suleman R, Amir RM, Waseem M, **Bhatti SA**, Rehman AA, Akram I, Khan MZ, Mugabi R, Ismail T, 2026. Carissa carandas L. and its methanol extracts promote hematopoiesis and thrombocytopoiesis: A sub-acute toxicological study in experimental rats. Food Science & Nutrition, 14: e71647.
<https://doi.org/10.1002/fsn3.71647> (IF=3.8)
2. Raza H, Sultan MT, Noman AM, Imran A, **Bhatti SA**, Baig I, Rahim MA, Alsuwat MA, Ramadan MF and Zongo E, 2025. Toxicological Evaluation, Ultrasound-Assisted Phytochemicals, Antioxidant, GC–MS, FTIR, and In Vivo Analysis of Hibiscus rosa-sinensis Flowers. Food Science & Nutrition, 13 (12): e71299.
<https://doi.org/10.1002/fsn3.71299> (IF=3.8)
3. Manzoor N, Samad N, **Bhatti SA**, Irfan A, Ahmad S, Shazly, Bin Jordan YA, 2025. Neuroprotective effect of niacin in a rat model of obesity induced by high-fat-rich diet. Naunyn-Schmiedeberg's Archives of Pharmacology, 398 (6): 6801-6820.
<https://doi.org/10.1007/s00210-024-03687-3> (IF=3.1)
4. Khatoon A, Amin A, Majeed S, Gul ST, Arshad MI, Saleemi MK, Ali A, Abbas RZ, **Bhatti SA**, 2024. Dietary *Chlorella vulgaris* mitigates Aflatoxin B1 toxicity in broiler chicken: Toxicopathological, hematobiochemical and immunological perspectives. Toxicon, 251: 108127.
<https://doi.org/10.1016/j.toxicon.2024.108127> (IF=2.6)
5. Khatoon A, Khan MZ, Abidin ZU, Saleemi MK, Oguz H, Gul ST, Abbas RZ, Ali A, **Bhatti SA**, 2024. Aflatoxin B1-associated oxidative stress along with toxicopathological and immunological alterations is efficiently counteracted by dietary supplementation of distillery yeast sludge in broilers. Mycotoxin Research, 40: 615-629.
<https://doi.org/10.1007/s12550-024-00549-y> (IF=2.6)
6. Khan MA, Khan IA, Tahir AH, Shahid MA, Nazish N, Zafar MA, **Bhatti SA**, Pasha RH, Abbas Y, Sadiq S and Jamil B, 2024. Isolation and identification of deleterious fungi associated with stored grains and cattle feedstuff of Potohar region of Pakistan. Pak Vet J, 44(3): 861-867.
<http://dx.doi.org/10.29261/pakvetj/2024.189> (IF=3.8)
7. Samad N, Manzoor N, Batool A, Noor A, Khaliq S, Aurangzeb S, **Bhatti SA** and Imran I, 2023. Protective effect of niacin following high fat rich diet: An *In-vivo* and *In-silico* study. Scientific Reports, 13: 21343.
<https://doi.org/10.1038/s41598-023-48566-8> (IF=3.8)
8. Ke Y, Khaliq H, Jiafu L, Waqas MY, Javid MA, Basit MA, **Bhatti SA**, Saleem MU, Farooq AA and Murtaza S, 2024. Distribution and developmental changes of

- IL-21 immunopositive cells in the bursa of Fabricius of Jinhu silky chicken. J Exp Zool A, 341: 41-47.
<https://doi.org/10.1002/jez.2759> (IF=1.9)
9. Khatoon A, Nawaz MY, Mehboob G, Ijaz MU, Saleemi MK, Gul ST, Abbas RZ, Murtaza B, **Bhatti SA**, Abidin ZU and Khan AR, 2023. Unraveling the combined deleterious effects of ochratoxin A and atrazine upon broiler's health: Toxicopathological, serum biochemical and immunological perspectives. Toxicon, 236: 107327
<https://doi.org/10.1016/j.toxicon.2023.107327> (IF=2.6)
 10. Saleemi MK, Raza A, Khatoon A, Zubair M, Yongping X, Murtaza B, Li X, Jamil M, Imran M, Muhammad F, Zubair K, **Bhatti SA**, Rafique MK, Ahmed I, Azal F, Jubeen F and Basit A, 2023. Toxic effects of aflatoxin B1 on hematobiochemical and histopathological parameters of juvenile white leghorn male birds and their amelioration with vitamin E and *Moringa oleifera*. Pak Vet J. 43 (3): 405-411.
<http://dx.doi.org/10.29261/pakvetj/2023.053> (IF=3.8)
 11. Nasir A, Saleemi MK, Khan MZ, Khatoon A, Hassan ZU, Abadien Z, Ahmad W, **Bhatti SA**, Khan MM, Jamil T, Fatima Z, Ahmad I and Khan A, 2022. Effects of Hydrated Sodium Calcium Aluminum Silicates (HSCAS) in experimentally induced cadmium toxicity in male Japanese Quail (*Coturnix japonica*). Toxin Reviews, 41 (3): 743-751.
<https://doi.org/10.1080/15569543.2021.1925695> (IF=3.166)
 12. Ashraf A, Saleemi MK, Mohsin M, Gul ST, Zubair M, Muhammad F, **Bhatti SA**, Hameed MR, Imran M, Irshad H, Zaheer I, Ahmed I, Raza A, Qureshi AS, Khan A 2022. Pathological effects of graded doses of aflatoxin B1 on the development of testes in juvenile white leghorn males. Environmental Science and Pollution Research, 29: 53158-53167.
<https://doi.org/10.1007/s11356-022-19324-6> (IF=5.19)
 13. **Bhatti SA**, Khan MZ, Saleemi MK, Hassan ZU and Khan A, 2022. Ameliorative role of dietary activated carbon against ochratoxin-A induced oxidative damage, suppressed performance and toxicological effects. Toxin Reviews, 41(1):108-118.
<https://doi.org/10.1080/15569543.2020.1848870> (IF=3.166)
 14. Samad N, Imran A, **Bhatti SA**, Imran I, Alqahtani F, Alasmari AF, Sivandzade F, 2022. Vitamin D2 protects acute and repeated noise stress induced behavioral, biochemical, and histopathological alterations: Possible antioxidant effect. Saudi Journal of Biological Sciences, 29 (1): 601 – 609.
<https://doi.org/10.1016/j.sjbs.2021.09.018> (IF=4.052)

15. Saleem MU, Javid MA, Kiani FA, Nazir MM, **Bhatti SA**, 2021. Carcass Yield and Histo-Anatomical Changes in Broilers Fed on Diet Supplemented with Different Levels of Phytobiotics. *Indian Journal of Animal Research*, 55 (10): 1184-1188.
<https://doi.org/10.18805/ijar.B-1118>. (IF=0.427)
16. Samad N, Manzoor N, Muneer Z, **Bhatti SA** and Imran I, 2021. Reserpine-induced altered neuro-behavioral, biochemical and histopathological assessments prevent by enhanced antioxidant defense system of thymoquinone in mice. *Metabolic Brain Disease*, 36 (8): 2535–2552.
<https://doi.org/10.1007/s11011-021-00789-2> (IF=3.584)
17. **Bhatti SA**, Khan MZ, Saleemi MK and Hassan ZU, 2021. Dietary *Trichosporon mycotoxinivoron* modulates ochratoxin-A induced altered performance, hepatic and renal antioxidant capacity and tissue injury in broiler chickens. *Chemico-Biological Interactions*, 347: 109614
<https://doi.org/10.1016/j.cbi.2021.109614> (IF=5.192)
18. **Bhatti SA**, Khan MZ, Saleemi MK and Hassan ZU, 2021. Combating immunotoxicity of aflatoxin B1 by dietary carbon supplementation in broiler chickens. *Environmental Science and Pollution Research*, 28 (35): 49089 – 49101
<https://doi.org/10.1007/s11356-021-14048-5> (IF=4.223)
19. **Bhatti SA**, Khan MZ, Saleemi MK and Hassan ZU, 2019. Impact of dietary *Trichosporon mycotoxinivorans* on ochratoxin A induced immunotoxicity; *In vivo* study. *Food and Chemical Toxicology*, 132: 110696
<https://doi.org/10.1016/j.fct.2019.110696> (IF=4.679)
20. Saleemi MK, Tahir MW, Abbas RZ, Akthar M, Ali A, Javed MT, Fatima Z, Zubair M, **Bhatti SA** and Hassan ZU, 2019. Amelioration of toxicopathological effects of cadmium with silymarin and milk thistle in male Japanese quail (*Coturnix japonica*). *Environmental Science and Pollution Research*, 26 (21): 21371-21380
<https://doi.org/10.1007/s11356-019-05385-7> (IF= 3.056)
21. **Bhatti SA**, Khan MZ, Hassan ZU, Saleemi MK, Khatoon A, Abidin ZU and Hameed MR. 2018. Dietary L-carnitine and vitamin-E; a strategy to combat ochratoxin-A induced immunosuppression. *Toxicon*, 153: 62-71
<https://10.1016/j.toxicon.2018.08.012> (IF= 2.276)
22. Butt SL, Saleemi MK, Khan MZ, Khan A, Farooq M, Khatoon A, **Bhatti SA**, Tahir MW, Islam NU, Jamil H and Muhammad F, 2018. Cadmium toxicity in female Japanese quail (*Coturnix japonica*) and its diminution with silymarin. *Pak Vet J*, 38 (3): 249-255.
<http://dx.doi.org/10.29261/pakvetj/2018.062> (IF= 1.360)

23. Khatoon A, Khan MZ, Abidin Z and **Bhatti SA**, 2018. Effects of feeding bentonite clay upon ochratoxin A-induced immunosuppression in broiler chicks. *Food Additives & Contaminants: Part A*, 35 (3): 538-545.
<https://doi.org/10.1080/19440049.2017.1411612> (IF= 2.170)
24. Ahmad S, Khalique A, Pasha TN, Mehmood S, Hussain K, Ahmad S, Rasheed B, Awais MM and **Bhatti SA**, 2018. Influence of Feeding *Moringa oleifera* Pods as Phytogenic Feed Additive on Performance, Blood Metabolites, Chemical Composition and Bioactive Compounds of Breast Meat in Broiler. *Kafkas Universitesi Veteriner Fakultesi Dergisi*, 24 (2): 195-202.
<http://10.9775/kvfd.2017.18616> (IF= 0.411)
25. **Bhatti SA**, Khan MZ, Hassan ZU, Saleemi MK, Saqib M, Khatoon A and Akhter M, 2018. Comparative efficacy of Bentonite clay, activated charcoal and *Trichosporon mycotoxinivorans* in regulating the feed-to-tissue transfer of mycotoxins. *Journal of the Science of Food and Agriculture*, 98 (3): 884-890.
<https://10.1002/jsfa.8533> (IF= 2.422)
26. **Bhatti SA**, Khan MZ, Saleemi MK, Saqib M, Khan A and ul-Hassan Z, 2017. Protective role of bentonite against aflatoxin B1- and ochratoxin A-induced immunotoxicity in broilers. *Journal of Immunotoxicology*, 14 (1): 66-76.
<https://10.1080/1547691X.2016.1264503> (IF= 1.465)
27. Tahir MW, Saleemi MK, Khan A, Yousaf M, Butt SL, Siri Wong W, Muhammad F, **Bhatti SA** and Qureshi AS, 2017. Hematobiochemical effects of cadmium intoxication in male Japanese quail (*Coturnix japonica*) and its amelioration with silymarin and milk thistle. *Toxin Reviews*, 36: 187-193.
<https://doi.org/10.1080/15569543.2017.1287088> (IF=1.887)
28. **Bhatti SA**, Khan MZ, Saleemi MK and Saqib M, 2016. Aflatoxicosis and ochratoxicosis in broiler chicks and its amelioration with locally available bentonite clay. *Pakistan Veterinary Journal Pak Vet J*, 36(1): 68-72.
http://www.pvj.com.pk/pdf-files/36_1/68-72.pdf (IF= 0.813)
29. Ahmad MFD, Saleemi MK, Khan MZ, Muhammad F, Zahoor-ul-Hassan, Khatoon A, **Bhatti SA**, Abbas RZ, Rizvi F and Ahmed I, 2011. Effects of Ochratoxin A Feeding in White Leghorn Cockerels on Hematological and Serum Biochemical Parameters and its Amelioration with Silymarin and Vitamin E. *Pakistan Veterinary Journal*, 32: 520-524.
https://www.pvj.com.pk/pdf-files/32_4/520-524.pdf (IF= 1.365)
30. Hassan ZU, Khan MZ, Saleemi MK, Khan A, Javeed I and **Bhatti SA**, 2012. Toxicopathological effects induced by in-ovo inoculation of Ochratoxin A (OTA) in chick embryo and subsequently in hatched chicks. *Toxicologic Pathology*, 40 (1):33-39.

<https://doi.org/10.1177/0192623311425058>

(IF= 2.063)

31. Islam NM, Khan MZ, Saleemi, MK, Khan A, **Bhatti, SA**, Yousaf M and Hassan ZU, 2011. Clinicopathological Studies on Gentamicin Toxicity in White Leghorn Commercial Layers. Pakistan Veterinary Journal, 31: 305-308. https://www.pvj.com.pk/pdf-files/31_4/305-308.pdf (IF= 1.255)

Review Articles

Published Articles

1. Jamil M, Khatoon A, Saleemi MK, Abidin ZU, Abbas RZ, Hassan ZU, **Bhatti SA**, Irshad H, Imran M and Raza QS, 2023. Use of Phytochemicals to Control Mycotoxicosis in Poultry. World's Poultry Science Journal, 80 (1): 237-250. <https://doi.org/10.1080/00439339.2023.2255575> (IF= 3.452)
2. Waqas MY, Javid MA, Nazir MM, Niaz N, Nisar MF, Manzoor Z, **Bhatti SA**, Hameed S and Khaliq MH, 2022. Extracellular vesicles and exosome: insight from physiological regulatory perspectives. Journal of Physiology and Biochemistry, 78 (3): 573-580. <https://doi.org/10.1007/s13105-022-00877-6> (IF= 3.4)

BOOK CHAPTERS

1. Muhammad Akbar, S., Ali, S., Sadeeq Ur, R., Mian Muhammad, S., Sheraz Ahmed, B., Muhammad Mudasser, N., Muhammad Nauman, Z. 2023. Pathobiology, public health significance, and control of Campylobacter infections, In: Dr. Ramasamy, V., Dr. Kanesan Panneer, S., Dr. Suresh Selvapuram Sudalaimuthu, R. (Eds.) Campylobacter - Taxonomy, Pathogenesis, and Treatment. IntechOpen, Rijeka, Ch. 0. DOI: 10.5772/intechopen.1001437. p. 65-76. <http://dx.doi.10.5772/intechopen.112216>
2. Shahid MA, Bhatti SA, Rizwan M. 2023. Farmyard Manure. In: Waheed A, Faraz A, editors. Basics of Animal Production Sciences. 1 ed. Department of Livestock and Poultry Production, Bahauddin Zakariya University, Multan-Pakistan: Books & Readers, Muhammad Plaza, Sabzazar Metro Station, Bosan Road, Multan. p. 187-195. ISBN 978-969-23854-0-4
3. Bhatti SA, Shahid MA, Rizwan M. 2023. Health Assessment. In: Waheed A, Faraz A, editors. Basics of Animal Production Sciences. 1 ed. Department of Livestock and Poultry Production, Bahauddin Zakariya University, Multan-Pakistan: Books & Readers, Muhammad Plaza, Sabzazar Metro Station, Bosan Road, Multan. p. 195-201. ISBN 978-969-23854-0-4.
4. Jamil M, Khatoon A, Saleemi MK, Aleem MT, **Bhatti SA**, Abidin ZU, Imran M, Naseem MN, Nawaz MY, Tahir MW, Sultan A, Waheed N, Wang N and

Alsayeqh AF, 2022. Mycotoxins prevalence in poultry industry and its preventive strategies. In: Abbas RZ, Khan A, Liu P and Saleemi MK (eds), Animal Health Perspectives, Unique Scientific Publishers, Faisalabad, Pakistan, Vol. 2, pp: 190-200. <https://doi.org/10.47278/book.ahp/2022.59>

ABSTRACT/ PROCEEDINGS

1. **SA Bhatti**, Abubakar M, Khan MZ, Hassan ZU, Saleemi MK, Khatoon A, Abidin ZU, Hameed MR. Protective efficacy of bentonite clay and *Moringa oleifera* against immunotoxic effects of AFB1 And OTA co-contamination in broiler chickens. 23rd World Veterinary Poultry Association Congress 2025 in Kuching, Sarawak, Malaysia, October 06-10, 2025.
2. **SA Bhatti**, MZ Khan, MK Saleemi, ZU Hassan, A Khatoon, ZU Abidin. Mitigating the aflatoxin b1-induced oxidative stress and tissue toxicity by dietary carbon supplementation in broiler chickens. 22nd World Veterinary Poultry Association (WVPA) Congress, Verona (Italy), September 4-8, 2023.
3. Khalid HMS, Saleemi MK, Muhammad F, Rizvi F, Khatoon A, Gul ST, Akhtar M, **Bhatti SA**, Imran M, Raza QS, Fayaz A, Tahir MW. Mycotoxicosis at Human Animal Interface: A Call for an Open One Health Debate. Appeared in 4th WPSA international ONE HEALTH CONFERENCE, University of Veterinary and Animal Sciences, Lahore, 9-10 September, 2021.
4. Raza QS, Saleemi MK, Muhammad F, Rizvi F, Khatoon A, Imran M, Gul ST, Akhtar M, **Bhatti SA**, Imran M, Abbas RZ, Fayyaz A, Tahir MW. Essential Oil: An alternative to antibiotic Growth Promoter (Agp) in Poultry. Appeared in 4th WPSA international ONE HEALTH CONFERENCE, University of Veterinary and Animal Sciences, Lahore, 9-10 September, 2021.
5. **Sheraz Ahmed Bhatti**, Muhammad Zargham Khan, Muhammad Kashif Saleemi, Ahrar Khan, Zahoor ul Hassan, Muhammad Raza Hameed. *In Vivo* Ability of Activated Charcoal to Mitigate Aflatoxin-B1 Induced Immunotoxicity in Broilers. 21st World Veterinary Poultry Association Congress 2019, Bangkok International Trade and Exhibition Center, Bangkok, Thailand, 16 – 20 September 2019.
6. M. Kashif Saleemi, M. Kamran Ashraf, S. Tehseen Gul, M. Noman Naseem, M. Sohail Sajid, M. Mohsin Gillani, Farzan Rizvi, Cheng He, Muhammad Zubair, Ahrar Khan, **Sheraz Ahmed Bhatti**. Toxicopathological Effects of Feeding Aflatoxins B1 in Broilers and Its Amelioration with Indigenous Mycotoxin Binder. 21st World Veterinary Poultry Association Congress 2019, Bangkok International Trade and Exhibition Center, Bangkok, Thailand, 16 – 20 September 2019.

7. Aisha Khatoon, Sidra Bibi, Anuam Akhtar, Zain ul Abidin, Muhammad Tariq Javed, Huma Jamil, Muhammad Kashif Saleemi, Ashiq Ali and **Sheraz Ahmad Bhatti**. *Spirulina platensis* as a Possible Source of Amelioration Against Ochratoxin A Induced Immunopathology in Broilers. 21st World Veterinary Poultry Association Congress 2019, Bangkok International Trade and Exhibition Center, Bangkok, Thailand, 16 – 20 September 2019.
8. **Bhatti SA**, Khan, MZ, Saleemi, MK, Khatoon, A and Hassan, ZU. *In vivo* efficacy of activated charcoal on ochratoxin-A induced toxicopathological and serum biochemical alterations in the broiler chicks. 4th World Veterinary Poultry Association Asia Meeting 2018, Kuala Lumpur, Malaysia, 1 - 2 October 2018.
9. Khatoon A, Khan, MZ, Abidin, ZU, Saleemi, MK, **Bhatti, SA** and Gull, ST. Aflatoxicosis in broilers and its control by supplementation of distillery sludge: Immunological perspectives. 4th World Veterinary Poultry Association Asia Meeting 2018, Kuala Lumpur, Malaysia, 1 - 2 October 2018.
10. Saleem, N, Nazli, ZH, Saleem, S, Ashar, A, Khan, JA, **Bhatti, SA**, Ahmad, M and Ahmad, A. Design Synthesis and *in vitro* antioxidant activity of 3,5-disubstituted 2 pyrazolines. 1st international conference on Medicinal Chemistry and Drug Discovery, COMSTECH Secretariat, Islamabad, Pakistan. 18-19 October 2018.
11. Saleem, N, Nazli, ZH, Saleem, S, Hanif, MA, Naveed, M, **Bhatti, SA**, Rashid, I and Ashraf, M. Synthesis and biological evaluation of pyrimidines as potent antimicrobial agents. Second national conference on emerging trends in bioinformatics and biosciences, Department of Bioinformatics, Hazara University, Mansehra KPK, Pakistan, 09 – 11 AUGUST 2018.
12. **Bhatti, S. A.,*** Khan, M. Z., Saleemi, M. K., Khan, A. and ul-Hassan, Z. Modification of Ochratoxin A induced immunotoxicity by *Trichosporon mycotoxinivorans*; *In-vivo* study in broiler chicks. XXTH World Veterinary Poultry Association Congress, Edinburgh, 4 – 8 September, 2017.
13. Khatoon, A., Khan, M. Z., Abidin, Z. U., Khan, A., Saleemi, M. K. and **Bhatti, S. A.** Ameliorative effects of distillery sludge (DS) upon different immunopathological alterations induced by ochratoxin A (OTA) in broiler chicks. XXTH World Veterinary Poultry Association Congress, Edinburgh, 4 – 8 September, 2017.
14. **Bhatti, S. A.,** Khan, M. Z., Khan, A., Saleemi, M. K., Khatoon, A., Naseem, M. N. Ameliorative effects of carnitine and vitamin E upon ochratoxin induced immuno-toxicological effects in White Leghorn cockerels. “Two days international seminar on poultry diseases organized by WVPA Pakistan branch” Faisalabad, Pakistan, 14-15 Decmber 2015.

15. Khan, M. Z., **Bhatti, S. A.**, Khatoon, A., Khan, A. Saleemi, M. K. Mycotoxicosis: a persistent threat to poultry industry. “Two days international seminar on poultry diseases organized by WVPA Pakistan branch” Faisalabad, Pakistan, 14-15 December 2015.
16. Khan, M. Z., Khatoon, A., Khan, A., Saleemi, M. K., **Bhatti, S. A.** Use of distillery sludge for prevention of mycotoxin induced untoward effects in broiler chicks- An experimental study. 11th international conference “Trends in food, feed and environmental safety” Bydgoszcz, Poland, 29-30 June 2015.
17. Saleemi, M. K., Ahmad, M. F., Khan, M. Z., Khan, A ., Faqir, M., **Bhatti, S. A.**, Khatoon, A., Abbass, R. Z. and Islam, N. Toxicological effects of ochratoxin A in White Leghorn cockerels and their amelioration with silymarin and vitamin E. International Mycotoxin Conference “MycoRed 2010, Penang, Malaysia, 1 – 4 December 2010.

POPULAR ARTICLES

- **Sheraz Ahmed Bhatti**, M. Kashif Saleemi, Rao Zahid Abbass. Causes of Prolapse in Laying Hens. Veterinary News & Views. December 22, 2011.

SEMINARS/CONFERENCE/ WORKSHOPS

1. Certificate of participation in seminar on “Recent Approaches to Prevent and Control FMD at National and International Level” held at Department of Clinical Sciences, Faculty of Veterinary Sciences, BZU, Multan, dated October 26, 2023.
2. Participated in social action projects and a seminar on social cohesion and peacebuilding on campuses, organized by Pak Institute for Peace Studies (PIPS) in March 7, 2022 at BZU, Multan.
3. Participated in training workshop on “Creating Network of Faculty Peacebuilders in Universities” organized by Pak Institute for Peace Studies (PIPS) on January 07-08, 2022 in Multan, Pakistan.
4. Participation as guest of honor in the seminar “Safe Milk; Safe Nation” organized by Department of Dairy Technology, Faculty of Food Science & Nutrition – BZU, Multan in collaboration with Pakistan Dairy Association, November 23, 2022.
5. Certificate of participation as a keynote speaker at signing ceremony of memorandum of understanding between Multan College of Arts and Universiti Teknologi Malaysia, 09 November 2022.
6. Certificate of appreciation as a speaker in “International Classroom Lecture Series”, Perak International Art Symposium (PINTAS) 2021-Series 3, organized by Universiti Teknologi Mara, Malaysia, 11 January 2022.

7. Three days training on “Knowing Cancer in Small Animals to Improve their quality of life” from 09th to 11th April, 2021, organized by Pakistan Veterinary Medical Council (PVMC) at University of Veterinary and Animal Sciences (UVAS), Lahore.
8. Certificate of poster presentation in 21st World Veterinary Poultry Association Congress 2019, Bangkok International Trade and Exhibition Center, Bangkok, Thailand, 16 – 20 September 2019.
9. Certificate of paper presentation in 4th World Veterinary Poultry Association Asia Meeting 2018, Kuala Lumpur, Malaysia, 1 - 2 October 2018.
10. One day workshop on the development of internship modules for DVM students. January 19, 2017. Bahauddin Zakariya University, Multan.
11. 2nd International Conference on Zoonoses, October 20-21, 2016. Bahauddin Zakariya University, Multan.
12. International seminar on Poultry Diseases, December 14-15, 2015. University of Agriculture Faisalabad, Pakistan.
13. National Training Course on Diagnosis of Poultry Diseases through Modern Diagnostic Techniques” April, 03-04, 2014. Jointly organized by Diagnostic Lab, Department of Pathology, Faculty of Veterinary Science, UAF & World Veterinary Poultry Association (WVPA).
14. Seven days workshop on “Chromatography, Mutagenesis for Hyper expression of Enzymes, UV- Visible and Atomic Absorption Spectrophotometry, HPLC, GS, SDS-PAGE, DNA Isolation, Agarose Gel Electrophoresis and PCR; “Imparting practical training in molecular and biochemical techniques” organized by Department of Chemistry and Biochemistry, June 8-14, 2011, University of Agriculture, Faisalabad.
15. Two days’ workshop on “Molecular Diagnosis of Avian Mycoplasma Species in Birds and Farm Premises” organized by Institute of Microbiology, March 10-11, 2011, University of Agriculture, Faisalabad.
16. Certificate of participation in Student Forum (ASLP Dairy Project), February 20-21, 2012, University of Veterinary and Animal Sciences, Lahore.

POST-GRADUATE STUDENTS SUPERVISED

M. Phil

Completed

1. Muhammad Abubakar, 2023. Protective efficacy of bentonite clay and *Moringa oleifera* against immunotoxic effects of moldy feed in broiler birds.

2. Anas Jameel, 2024. Protective effect of dietary *Moringa oleifera* leaf powder against the imidacloprid toxicity in broiler chicken.

HONORS AND AWARDS/ACCOMPLISHMENTS

1. Awarded with travel grant by WVPA to attend the 23rd World Veterinary Poultry Association Congress 2025 in Kuching, Sarawak, Malaysia, October 06-10, 2025.
2. Awarded with travel grant by WVPA to attend the 21st World Veterinary Poultry Association Congress (WVPAC 2019) held during September 16 - 20, 2019 at Bangkok International Trade and Exhibition Centre, Bangkok, Thailand.
3. Awarded with travel grant to attend 4th World Veterinary Poultry Association Asia Meeting 2018, Kuala Lumpur, Malaysia, 1 - 2 October 2018 by higher education commission, Islamabad, Pakistan.
4. Awardee HEC-PhD fellowship program

ADVISORY / ADMINISTRATIVE SERVICES

1. Member examination committee to conduct admission tests for M. Phil and PhD programs in the Department of Pathobiology for the academic session 2024-2026.
2. Member Departmental Admission Committee of Department of Pathobiology, Faculty of Veterinary Sciences, BZU, Multan. (Fall 2024 to till date)
3. Secretary Technical Purchase Committee, Faculty of Veterinary Sciences, BZU, Multan. (February 2021 to till date)
4. Member Departmental Research Ethics Committee for the Department of Pharmacology, Faculty of Pharmacy, BZU, Multan.
5. Secretary Technical Purchase Committee, Faculty of Veterinary Sciences, BZU, Multan. (August 2017 to May 2018)
6. Extension services to the regional poultry farmers by conducting necropsy examination of the birds at University Diagnostic Laboratory, Faculty of Veterinary Sciences, BZU, Multan.

MEMBERSHIPS

1. Member of World Veterinary Poultry Association (WVPA)
2. Member of Pakistan Veterinary Medical Council (RVMP)
3. Member of Pakistan Veterinary Medical Council (RVMF)
4. Member Camel Association of Pakistan (CAP)

SKILLS AND EXPERTIES

1. Necropsy examination

2. Histopathology
3. Immunohistochemistry
4. Spectrophotometry
5. Immuno-diagnosis: *in-vitro* macrophages assay, ELISA
6. Chromatography: HPLC

COURSES TAUGHT

At undergraduate level (Doctor of Veterinary Medicine students)

1. General Veterinary Pathology 3 (2-1)
2. Systemic Veterinary Pathology 3 (2-1)
3. Veterinary Clinical Pathology 1 (0-1)
4. Meat Hygiene and Public Health 2 (1-2)
5. Molecular Biology 2 (1-1)

At postgraduate level

1. Cellular and Molecular basis of Pathology 3 (2-2)

REFEREES

1. Prof. (Rtd) Dr. M. Zargham Khan DVM, PhD

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