IRTAZA HUSSAIN

CURRICULUM VITAE

Personal Information

First name: IRTAZA HUSSAIN
Father's name: Maqbool Hussain
Surname: SAHU
CNIC: 36102-5266796-3
Religion: Islam
Nationality: Pakistan
Official address: Assistant Professor (Pathology)
Department of Pathobiology
Faculty of Veterinary Sciences,
Bahauddin Zakariya University,
Multan, Punjab, Pakistan.
Website: www.bzu.edu.pk
Telephone Cell: (+92) 300 8797597
Email drirtazasahu@bzu.edu.pk
Home address Village Mari Sahu,Tehsil Kabirwal, District Khanewal
Punjab, Pakistan
Cell No: 0092 300 8797597



Qualifications

M Sc. (Hons.) **Veterinary Pathology (2004)** Project title: Toxicological effects of diclofenac in four avian species. Department of Veterinary Pathology, University of Agriculture Faisalabad, Pakistan

DVM. **Doctor of Veterinary Medicine (2002)** Faculty of Veterinary Sciences, University of Agriculture Faisalabad, Pakistan

Achievements

Captain of Liaquat House during 1994-95 & was a good cricketer in Sacred Heart High School Jhang Sadar, Pakistan

Participated in Annual Science Exhibition & won consolation prize in School.

Expertise and Research Interests

Toxicopathological affects of NSAIDS in animals specially effect and pathogenesis on liver and kidneys in experimental animals.

In vitro, Tissue preparation and sectioning, microscopic histopathology etc.

In vivo, Animal rearing and handling, Autopsy and measurement of pathological factors.

Computing & Statistic, Office software, Software (TAD info) , Internet-searching

Previous Research Experience

Veterinary Pathology, Poultry Pathology, specially worked on toxicological affects of diclofenac in different avian species, Newcastle Disease, Infectious Bronchitis, and Avian Influenza.

Teaching Experience

I joined Bahauddin Zakariya University, Multan as lecturer on 5/10/2010; at present I am working as Assistant Professor (Pathology) in Department of Pathobiology, Faculty of Veterinary Sciences, Bahauddin Zakariya University Multan.

I taught theory and practical classes to undergraduate (DVM) postgraduate (M.Phil) students: General Veterinary Pathology, Systemic Veterinary Pathology, Poultry Pathology, Veterinary

Clinical Pathology, Necropsy Practices, General Histology and Embryology, Systemic Veterinary Histology, Introduction to Poultry Production, Meat Hygiene & Public Health, Meat & Slaughter by Product Technology, Advanced General Pathology, Infectious Diseases of Poultry, Non Infectious Diseases of Poultry, Ruminant Pathology

Professional Experience & Detailed Tasks Assigned

1. In addition to my teaching experience I had a professional experience for working as District Disease Surveillance officer/Assistant Disease Investigation Officer, Disease Diagnostic Laboratory Toba Tek Singh in Livestock & Dairy Development Department Punjab, for 5 years before joining as lecturer.
2. I also had field experience for working as Veterinary Officer (Animal Health) in Livestock & Dairy Development Department Punjab, for more than 1 year.
3. Established University Diagnostic Laboratory in Faculty of Veterinary Sciences; B.Z.U & conducted several tests for the diagnosis of Diseases.
4. Conducted Investigation of Diseases, supervised and guided the Laboratory staff in lab: Diagnosis.
5. Dealt with Budget and accounts matters pertaining to the office of Assistant Disease Investigation Office Toba Tek Singh.
6. Assisted the office of Animal Disease Reporting & Surveillance, Punjab regarding assigned duties and responsibilities i.e. Preparation of Annual Budget of Diagnostic laboratory, preparation of PC-4 and Evaluation of laboratories.
7. In field, working as Veterinary Officer (A.H) District Jhang; adopted managemental practices to minimize disease occurrence, conducted field tests to detect disease presence, supervised vaccination program, medicated & dewormed the affected animals.

Professional Membership

Pakistan Veterinary Medical Council
PVMC (Reg. Code): RVMP/ 750

Pilot projects

Prevalence of Respiratory Diseases especially Infectious Bronchitis in Southern Punjab.

Publications

1. **Hussain, I.**, M. Z. Khan, A. Khan, I. Javed and M. K. Saleemi, 2008. Toxicological effects of diclofenac in four avian species. Avian Pathology, 37(3): 315-321 **(IF: 1.7)**
2. Akhtar, M.S., L.A. Lodhi, A.A. Farooq, M.M. Ayaz, S. Muratza, M. Arshad, **I. Hussain**, I. ahmed and M. Hussain, 2013. Effect of Different Doses of hCG at AI on pregnancy rates of repeat breeder Nili Ravi buffalo. Buffalo Bulletin, 32 (special issue 2): 362-365 **(IF: 0.048)**
3. Akhtar, M.S., S. Ullah, A.A. Farooq, M.M. Ayaz, S. Muratza, M. Arshad, **I. Hussain** and M. Hussain, 2013.Pregnancy rate in lactating buffaloes treated with or without estradiol after estrus synchronization protocols at timed AI . Buffalo Bulletin, 32 (special issue 2): 366-368 **(IF: 0.048)**
4. Akhtar, M.S., A. Bachaya, L.A. Lodhi, A.A. Farooq, M.M. Ayaz, S. Muratza, M. Arshad, **I. Hussain,** A. Basit, I. Ahmed, M. Hussain and Z. Tasawar, 2013.Minerals staus of soil, fodder and in lactating Nili Ravi buffaloes in irrigated agro ecological zone of Punjab, pakistan. Buffalo Bulletin, 32 (special issue 2): 824-828 **(IF: 0.048)**

5. Hussain, M., Z. Saeed, M. Gulsher, R.S. Shaikh, M. Ali, A.N. Ahmad, **I. Hussain**, M. Akhtar and F. Iqbal, 2016. A report on the molecular detection and seasonal prevalence of *Trypanosoma brucei* in Dromedary Camels from Dera Ghazi Khan District in Southern Punjab (Pakistan). Tropical Biomedicine 33(2): 268–275 **(IF: 0.85)**
6. Akhtar, M.S., J. Majeed, M.H. Lashari, L. A. Lodhi, I. Ahmad, S. Inayat, S. A. Muhammad, **I. Hussain**, T. Ahmad and M. Akhtar, 2016. Effect of bovine somatotropin administration and wallowing on milk production, milk protein and fat contents in Nili Ravi buffaloes during summer. Buffalo Bulletin ,35 (2): 209-2013 **(IF: 0.067)**
7. Akhtar, Muhammad Saleem, Junaid Majeed, Mushtaq Hussain Lashari, Laeeq Akbar Lodhi, Ijaz Ahmad, Saima Inayat, Sayyed Aun Muhammad, Irtaza Hussain, Tanveer Ahmad, and Masood Akhtar. "Effect of bovine somatotropin administration and wallowing on milk production, milk protein and fat contents in Nili-Ravi buffaloes during summer." Buffalo Bulletin 35, no. 2 (2016): 209-214 **(IF: 0.104)**
8. Akhtar, M. S., M. Saleem, E. Ahmad, T. Ahmad, M. H. Lashari, M. M. Ayaz, L. A. Lodhi, I. Ahmad, I. Hussain, and M. Akhtar. "Effect of lecirelin acetate, hCG or progesterone administration on day 7 post-insemination on conception rate and progesterone concentration in cross-bred cattle." Iraqi Journal of Veterinary Sciences 32, no. 2 (2018). **(IF: 0.125)**
9. Anjum, A., Usman, S., Aslam, A., Faiz, M., Usman, S., Imran, M.S., Hussain, I., Usman, M., Badar, S., Iqbal, M.Z. and Dar, A., 2020. Prevalence and molecular detection of contagious bovine pleuropneumonia in large ruminants in Punjab, Pakistan. Tropical Biomedicine 37(2): 273–281 **(IF: 0.775)**
10. Ali, Muhammad, Muti-ur-Rehman Khan, Asim Aslam, Saima Masood, Ayesha Masood, Muhammad Shahbaz Yousaf, Irtaza Hussain, Saba Usman, and Ahsan Anjum. "Comparative molecular characterization and pathogenicity of H9N2 avian influenza virus in commercial poultry flocks in Pakistan." (2021): Pakistan Veterinary Journal 451-455 **(IF: 1.384)**
11. Munir, M.A., Anjum, K.M., Javid, A., Khan, N., Jianming, C., Naseer, J., Anjum, A., Usman, S., Shahzad, M., Hafeez, S. and Hussain, I., 2022. Sublethal toxicity of carbofuran in cattle egret (Bubulcus ibis coromandus): hematological, biochemical, and histopathological alterations. Brazilian Journal of Biology, 84, p.e255055**(IF: 0.982)**
12. Usman, S., Anjum, A., Usman, M., Imran, M.S., Ali, M., Moustafa, M., Rehman, M.S., Hussain, T., Sarwar, F., Azad, A. and Hussain, I., 2022. Antibiotic resistance pattern and pathological features of avian pathogenic Escherichia coli O78: K80 in chickens. Brazilian Journal of Biology, 84, p.e257179 **(IF: 0.982)**
13. Hussain, I., Aslam, A., Rabbani, M. and Anjum, A., 2022. Hematological and Biochemical Evaluation of Small Ruminants Naturally Infected with ORF Virus in Punjab Province, Pakistan. Pakistan Veterinary Journal, 42(4) **(IF: 3.8)**
14. Hussain, I., Aslam, A., Rabbani, M. and Anjum, A., 2023. Seroprevalence of Contagious Ecthyma and Its Associated Risk Factors in Sheep and Goats of Punjab, Pakistan. Pakistan Journal of Zoology, 55(5) **(IF: 0.50)**
15. Hussain, I., Khan, M.U.R., Aslam, A., Rabbani, M., Masood, S. and Anjum, A., 2023. Identification, molecular characterization, and pathological features of orf virus in sheep and goats in Punjab province, Pakistan. Tropical Animal Health and Production, 55(1), p.24 **(IF:1.7)**
16. Khalid, R., Hussain, I., Zaman, S.H. and Khan, A.A., 2024. Effects of Aspirin and

Nabumetone Treatment on Domestic Chickens: Gross and Histopathological Implications. Pakistan Journal of Agricultural Sciences, 61(1) **(IF: 0.856)**

17. Bukhari, S.M. H., M. A. Khan and **I. Hussain**, 2010. Effect of K99 on Sex Linked Serophysiology of Buffalo Neonates. Lambert Academic Publishing Germany: 1-43. **(IF: Equivalent to 2 research publications (Y Category) according to HEC notification No.DD/SS&H/2009/506) letter No.AD/SS&H/PUB/2012/276 dated August 15, 2012.)**
18. Akhtar, M.S., M.H. Lashari, S. Inayat, **I. Hussain**, L. A. Lodhi, I. Ahmad, S. A. Muhammad and M. Akhtar, 2015. Serum Electrolyte and mineral variations during pregnancy, lactation and dry periods in buchi sheep. Wayamba Journal of Animal Sciences-ISSN:2012-578X :1260-1265
19. Pansota, F. M, A. Sharif, F. Rizvi , T. Ahmad , Muhammad Umer , **I. Hussain** and S. Ali, 2017. REVIEW ARTICLE Production and Use of Hyper immune Serum in Newcastle Disease: A Review. Lasbela, U. J.Sci.Techl., Vol. VI, pp.117-123, ISSN 2306-8256.
20. Mahmood, N , M. M. Ayaz1, R. Hameed , M. Nazir , A. S. Sheikh , **I. Hussain** , N. Ullah , N. Samad , A. Zaman , A. Akbar5 , and Y. Zheng, 2017. Research Article Liver Fluke: Elisa Diagnosis in Goats in Pakistan. Journal of Veterinary Medicine and Research. 4(6): 1094. ISSN: 2378-931X

Popular articles

1. Mahmood. N, M. M. Ayaz, R. Hameed, M. Nazir and **I. Hussain**, 2016. Sero-Coprological ELISA Detection of Liver Flukes in Different Goat Breeds of Multan, Pakistan. Farmer Reformer. Vol. 1: Issue 9
2. Khan. K, M. Ayaz & **I. Hussain**, 2016. Zika Virus: Morphology, Transmission, Pathogenesis, Symptoms and Control Measures. Veterinary News & Views Vol. 16 February 14.
3. **Hussain. I** & A. Mehmood. Training Manual for Farmers and Field Staff of L&DD Punjab. Strengthening of Livestock Services Project. (EU) Livestock and Dairy Development Department 16-Cooper Road, Lahore.
4. **Hussain. I,** 2009**.** Establishment of Diagnostic Laboratories in 10 Districts. Monthly Muvashi Nama, Livestock and Dairy Development Department 16-Cooper Road, Lahore. Vol. 1 January.
5. **Hussain. I,** 2004. New Challenges of Livestock & Vision of Chief Minister 2020. Daily Jang, August 6.
6. **Hussain. I,** 2003. Mastitis, a Fatal Disease of Milching Animals. Daily Nawa A Waqat, August 2.
7. **Hussain. I,** 2002. Prosperity of Farmer is hidden in Progress of Livestock. Daily Khabrain. July 2.

Published abstracts

1. Khan. K, **I. Hussain**, 2017. Prions Infections: A Food Borne Zoonosis, 3rd International Conference on "Safe Food for All & Food Expo" organized by Institute of Food Science & Nutrition, Bahauddin Zakariya University, Multan-Pakistan, March 2-3, 2017. P. No 73. ICSFA-17-112.
2. Sharif. A, T. Ahmed, J. Ansari & **I. Hussain**, 2016. Public Health Significane of Avian Influenza. 2nd International Conference on Zoonoses, October 20-21 at Bahauddin Zakariya University, Multan, Pakistan. P. No. 26. ISBN: 978-969-8753-13-9
3. Bukhari, S.M. H**, I. Hussain,** M. M. Nazir and H. R. Zia (2014). Prevalence of Bovine

Brucellosis in Cows of Hafizabad District of Pakistan. 1st International Conference on Zoonoses, October 16-17 at Bahauddin Zakariya University, Multan, Pakistan. P. No. 47. ISBN: 978-969-8753-09-2

4. Bukhari, S.M. M.A. Khan**, I. Hussain,** G. M. Arshad**,** (2014).Prevelance of Blood Protozoans in Buffalo Popoulation of Hafizabad., National Conference on the strategies to improve red meat production in Pakistan, October 13 at Bahauddin Zakariya University, Multan, Pakistan. P. No. 01.

Trainings Conferences and Workshops

1. Participated in "Two-Day Workshop on Diarrhoea and Electrolyte Imbalance in Ruminants" organized by Department of Veterinary Medicine Faculty of Veterinary Science University of Veterinary and Animal Sciences Lahore-Pakistan. 12th– 13th, March 2020.
2. Participated in "2nd Int. Workshop on Basic Mechanism of Disease and Poultry Pathology" organized by Department of Pathology in collaboration with CL Davis and SW Thompson DVM Foundation held at University of Veterinary & Animal Sciences Lahore Pakistan. 2th– 4th March 2020.
3. Participated in 4th WPSA Technical workshop on "Flock Health Monitoring in Poultry". Organized by World's Poultry Science Association-Pakistan Branch & Department of Pathology University of Veterinary & Animal Sciences Lahore Pakistan. August 27, 2019.
4. Participated in two days hands on training on "Disease Diagnosis through Necropsy" organized by Department of Pathobiology, College of Veterinary and Animal Sciences, Jhang Pakistan. 24th– 25th, April 2019
5. Participated in Pre-Congress workshop of International Buffalo Congress "Lab Tools for Diagnosis of Brucellosis in Buffalo" organized by University Diagnostic laboratory (UDL), Lahore Pakistan. February 17, 2019.
6. Participated in "International Buffalo Congress (IBC 2019)" held at Pearl Continental, Lahore Pakistan. 18th– 19th, February 2019.
7. Participated in "International Conference on Transboundry Diseases of Veterinary and Public Health on Pathology of Avian Diseases" organized by University of Veterinary & Animal Sciences Lahore Pakistan in collaboration with LVRI CAAS China held at 4th– 6th, October 2018.
8. Participated in "International Workshop on Pathology of Avian Diseases" organized by Department of Pathology in collaboration with CL Davis and SW Thompson DVM Foundation held at University of Veterinary & Animal Sciences Lahore Pakistan. 13th– 15th November, 2018.
9. Participated in "International Poultry Expo" organized by Pakistan Poultry Association. 27th - 29thSeptember, 2018 held at Lahore Expo Center.
10. Participated in "International Seminar on Infectious Bursal Disease and Avian Influenza" organized by Department of Pathology University of Veterinary & Animal Sciences Lahore Pakistan. September 26, 2018.
11. Participated in Training on "Isolating Emerging Infectious Pathogens during Outbreaks Training Program" organized by The University of Tennessee, Institute of Agriculture, College of Veterinary Medicine. 8th -11th January, 2018.
12. Participated in "International Symposium on Health and Nutrition" organized by University of Agriculture Faisalabad-Pakistan, October 30, 2017.
13. Participated in "Hands on Training on Clinical Veterinary Medicine & Animal Sciences"

organized by University of Veterinary & Animal Sciences Lahore-Pakistan at The Islamia University Bahawalpur in collaboration with University of Selcuk, Konya-Turkey under project Establishment of University of Veterinary & Animal Sciences Bahawalpur -Pakistan, 9th -11th May, 2017.

14. Participated in one-day workshop on "Tools and Methods in Research Writing" organized by Department of Soil Science Bahauddin Zakariya University Multan Pakistan & Sciencevier Canada, April 18, 2017.
15. Participated in One-day hands on training workshop on "Milk Indirect ELISA for the diagnosis of Brucellosis" organized by College of Veterinary & Animal Sciences Jhang University of Veterinary & Animal Sciences Lahore-Pakistan & Friedrich Loeffler Institute Germany on April 6, 2017.
16. Attending 14th Annual Conference of Medical Microbiology & Infectious Disease Society of Pakistan on "One World One Health" at Nishtar Medical College & Hospital, Multan-Pakistan on March 10-11, 2017.
17. Participated in 3rd International Conference on "Safe Food for All & Food Expo" organized by Institute of Food Science & Nutrition, Bahauddin Zakariya University, Multan-Pakistan, March 2-3, 2017.
18. Participated in International Livestock, Dairy and Poultry Congress organized by Pakistan Veterinary Medical Association held at Expo Center, Johar Town, Lahore, Pakistan, March 16-17, 2016.
19. Participated in two days International Conference on Malnutrition "Malnutrition Kills Can we see the writing on the wall" organized by Institute of Food Science & Nutrition, Bahauddin Zakariya University, Multan-Pakistan, 2016.
20. Participated in 2nd International Conference on Zoonoses-2016 organized by Faculty of Veterinary Sciences Bahauddin Zakariya University Multan-Pakistan in collaboration with Higher Commission, Govt. of Pakistan, October 20-21, 2016.
21. Participated in workshop on Automatic Citation Management Techniques Using Endnote Software, HD video conferencing, March 22, 2016.
22. Participated in workshop on Time Management HD video conferencing, April 21, 2016.
23. Participated in National Training Course on "Diagnosis of Poultry Diseases through Modern Diagnostic Techniques" jointly organized by Diagnostic Lab, Department of Pathology, Faculty of Veterinary Science University of Agriculture Faisalabad & World Veterinary Poultry Association (WVPA-Pakistan Branch), April 03-04, 2014.
24. Participated in Seminar on "Emerging Infectious Diseases and Diagnostics" organized by American Society for Microbiology & Department of Food Sciences and Technology Bahauddin Zakariya University Multan-Pakistan, February 12, 2014.
25. Participated in International workshop on "Women Empowerment & the crisis of Good Governance in Pakistan" organized by Department of Pakistan Studies & Gender studies, Bahauddin Zakariya University Multan- Pakistan in collaboration with Royal Holloway University of London, UK, December 19-22, 2011.
26. Participated in workshop on Citation Management by Using Bibliographical Software "Endnote" organized by Bahauddin Zakariya University, Multan and Pakistan Librarians Welfare Organization, March 21, 2011.
27. Participated in "National conference on the strategies to improve Red meat production in Pakistan" organized by Faculty of Veterinary Sciences, Bahauddin Zakariya University, Multan, 13th October 2010.

28. Participated in Two weeks intensive practical training on "Advanced Laboratory Techniques for Veterinary Disease Diagnostics" organized by University Diagnostic Laboratory University of Veterinary & Animal Sciences Lahore-Pakistan, May 04-16, 2009.
29. Participated in workshop "Disease Outbreak Handling, Reporting and Investigation" Organized by University of Veterinary & Animal Sciences Lahore-Pakistan, sponsored by Strengthening of Livestock Services Project (European Union), 30th March to 3rd April, 2009.
30. Participated in training workshop on "Epidemiology and Disease Reporting System" Organized by European Union project Strengthening of Livestock Services Punjab, September 4-10, Islamabad.
31. Participated in workshop "Monitoring of Chemical Adulterants & Hygienic Status of Market Milk" Organized by University of Veterinary & Animal Sciences Lahore, August 28-31, 2007.
32. Participated in Training course on "Laboratory Diagnostic Techniques and Disease Reporting" organized by National Veterinary Laboratories Islamabad-Pakistan, July 16-August 11, 2007.
33. Participated in 34th Postgraduate Training Course on "Nuclear and Other Advanced Techniques in Agriculture and Biological Research" held at Nuclear Institute for Agriculture and Biology Faisalabad-Pakistan (Pakistan Atomic Energy Commission), November 06-17, 2006.
34. Participated in workshop "Molecular Diagnosis of Bird Flu Virus" organized by University of Veterinary & Animal Sciences Lahore, September 25-30, 2006.
35. Participated in workshop "Chemistry & Hematology Analyzer in a Diagnostic Laboratory" Organized by University of Veterinary & Animal Sciences Lahore, August 15-21, 2006.
36. Participated in 2nd six days Workshop on "Budget Preparation, Office Management, Efficiency and Discipline Proceedings for District and Deputy District Livestock Officers" organized by the National Institute of Public Administration, Lahore-Pakistan, November 21-26, 2005.