

Dr. Muhammad Kashif Iqbal

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Veterinary and Animal Sciences, Bahawalpur, Punjab, Pakistan
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Education

Huazhong Agricultural University Wuhan, China 2014-2017
PhD Clinical Veterinary Medicine
University of Veterinary & Animal Sciences Lahore, Pakistan (UVAS) 2012-2014
MPhil Clinical Medicine
University of Veterinary & Animal Sciences Lahore, Pakistan (UVAS) 2007-2012
Doctor of Veterinary Medicine (DVM)

Experience

Cholistan University of Veterinary & Animal Sciences Bahawalpur, Pakistan (CUVAS)
Assistant Professor (ICE&E) November 2018 – to date
University of Veterinary & Animal Sciences Lahore, Pakistan (UVAS)
Assistant Professor (CMS) March 2018 - November 2018
Punjab Livestock & Dairy Development Board April 2014 – July 2014
Veterinary Officer at Livestock Experiment Station Khizerabad Sargodha
Orrange Dairy Farm, Sialkot March 2012-July 2012
Internee

Publications

Sr. #	Title	Impact Factor
1.	Muhammad Kashif Iqbal , Khalid Mehmood, Shakeel Ahmed, Fazul Nabi, Muhammad Arif Rizwan, Muhammad Kaleem, Mushtaq Ahmad, Abdul Waheed and Jiakui Li (2021). FK228 ameliorates the liver toxicity and oxidative stress on thiram-induced tibial dyschondroplasia in chicken. Pakistan Journal of Zoology (Accepted).	0.83
2.	Iqbal MK , Nabi F, Rehman MU, Mehmood K, Huang S, Zhang H, Zhang L, Iqbal M and Li J (2018). FK228 recovers the thiram-induced tibial dyschondroplasia in chicken via Hypoxia Inducible Factor-1 α . Journal of Biological Regulators and Homeostatic Agents, 32(1)-89-95.	1.56
3.	Iqbal MK , Nabi F, Mehmood K, Rehman MU, Huang S, Zhang H, Zhang L, Ahmad HI, Iqbal M, Li J and Shen Y, 2018. Healing of growth plate cartilage by hypoxia Inducible Factor-1 α inhibitor Apigenin on Thiram induced Tibial Dyschondroplasia. Pak Vet J, 38(2): 143-148.	1.36
4.	Iqbal MK , Liu J, Nabi F, Rehman MU, Zhang H, Tahir AH, Li J (2016) Recovery of Chicken Growth Plate by Heat-Shock Protein 90 Inhibitors	1.31

	Epigallocatechin-3-Gallate and Apigenin in Thiram-Induced Tibial Dyschondroplasia. Avian Diseases, 60(4):773-778.	
5.	Iqbal MK , Ijaz M, Aslam HB, Farooqi SH, Ahmad SS, Raheela A (2017). Prevalence and antibiotic trials against Salmonella enterica isolated from diarrheic lambs and kids. Pakistan journal of Pharmaceutical Science, 30(6):2265-2269.	0.59
6.	Fazul Nabi, Muhammad Kashif Iqbal , Hui Zhang, Mujeeb Ur Rehman, Muhammad Shahzad, Shucheng Huang, Zhaoqing Han, Khalid Mehmood, Nisar Ahmed, Bahram Chachar, Muhammad A. Arain and Jiakui Li (2018). Clinical efficiency and safety of Hsp90 inhibitor Novobiocin in avian tibial dyschondroplasia. Journal of Veterinary Pharmacology and Therapeutics, 41(6):902-911. doi: 10.1111/jvp.12692	1.17
7.	Muhammad Altaf, Muhammad Ijaz, Muhammad Kashif Iqbal , Abdul Rehman, Muhammad Avais, Awais Ghaffar and Rana Muhammad Ayyub (2019). Molecular Characterization of Methicillin Resistant Staphylococcus aureus (MRSA) and Associated Risk Factors with the Occurrence of Goat Mastitis. Pakistan Veterinary Journal, xx-xx. DOI: 10.29261/pakvetj/2019.079	1.36
8.	Hussain K, Ijaz M, Farooqi SH, Rizvi SNB, Ali A, Ghaffar A, Aqib AI, and Iqbal MK , 2018. Molecular Characterization of Clostridium perfringens toxinotypes and Type 'D' multidrug resistance profile in Diarrheic Sheep. Pakistan Veterinary Journal, 38(3): 271-275. DOI: 10.29261/pakvetj/2018.037.	1.36
9.	Khalid Mehmood, Hui Zhang, Muhammad Kashif Iqbal , Mujeeb Rehman, Muhammad Shahzad, Kun Li, Shucheng Huang, Fazul Nabi, Lihong Zhang and Li Jiakui (2017). In Vitro Effect of Apigenin and Danshen in Tibial Dyschondroplasia through Inhibition of Hsp90 and VEGF Expressions in Avian Growth Plate Cells. Avian Diseases, 61(3):372-377.	1.31
10.	Khalid Mehmood, Hui Zhang, Muhammad Kashif Iqbal , Mujeeb Ur Rehman, Kun Li, Shucheng Huang, Muhammad Shahzad, Fazul Nabi and Jiakui Li (2017). Tetramethylpyrazine Mitigates Toxicity and Liver Oxidative Stress in Tibial Dyschondroplasia Chickens. Pakistan Veterinary Journal, 38(1): 76-80.	1.36
11.	Khalid Mehmood, Hui Zhang, Kun Li, Lei Wang, Mujeeb Ur Rehman, FazulNabi, Muhammad Kashif Iqbal , HouqiangLuo, Muhammad Shahzad, and Jiakui Li(2018).Effects of tetramethylpyrazineontibial dyschondroplasia incidence, tibial angiogenesis, performance and characteristics via HIF-1 α /VEGF signaling pathway in chickens. Scientific Reports, 8:2495.	4.01
12.	Khalid Mehmood, Hui Zhang, Xiong Jiang, Wangyuan Yao, Xiaole Tong, Muhammad Kashif Iqbal , Mujeeb Ur Rehman, Mujahid Iqbal, Muhammad Waqas, Hammad Qamar, Jialu Zhang and Jiakui Li (2019). Ligustrazine recovers thiram-induced tibial dyschondroplasia in chickens:Involvement of new molecules modulating integrin beta 3, Ecotoxicology and Environmental Safety, 168: 205–211.	4.52

13.	Fazul Nabi, Hui Zhang, Muhammad Kashif Iqbal , Mujeeb Ur Rehman, Muhammad Shahzad, Khalid Mehmood and Jiakui Li (2018). <i>Salvia miltiorrhiza</i> reinstated growth plate width, liver oxidative stress and toxicity in avian Tibial Dyschondroplasia. Pakistan Journal of Zoology, 50(4): 1553-1556.	0.79
14.	Mujahid Iqbal, Hui Zhang, Khalid Mehmood, Aoyun Li, Xiong Jiang, Yaping Wang, Jialu Zhang, Muhammad Kashif Iqbal , Mujeeb Ur Rehman, Wangyuan Yao, Shijin Yang and Jiakui Li (2018). Icariin: a Potential Compound for the Recovery of Tibial Dyschondroplasia Affected Chicken via Up-Regulating BMP-2 Expression. Biological Procedures Online, 20:15.	4.09
15.	Li J, Rehman MU, H Zhang, Iqbal MK , Mehmood K, Huang S and Nabi F (2017). Antibacterial effect of the water extract of <i>houltuyniacordata</i> water extract against multi-drug resistant <i>Escherichia coli</i> . Southeast Asian Journal of Tropical Medicine and Public Health, 48(6):1260-1266.	0.29
16.	Rehman MU, H Zhang, Iqbal MK , Mehmood K, Huang S, Nabi F, Luo H, Lan Y and Li J. Antibiotic resistance, serogroups, virulence genes, and phylogenetic groups of <i>Escherichia coli</i> isolated from yaks with diarrhea in Qinghai Plateau, China. (2017). Gut Pathogens, 9:24 DOI 10.1186/s13099-017-0174-0.	3.17
17.	Rehman MU, H Zhang, Iqbal MK , Nabi F, Huang S, Lan Y, Mehmood K, Luo H and Li J. Antibiotic resistance of <i>Escherichia coli</i> in free-ranging yaks (<i>Bosgrunniens</i>) from Tibetan Plateau, China. Pakistan Veterinary Journal, 37(2): 139-144.	1.36
18.	Huang S, Zhang L, Rehman MU, Iqbal MK , Lan Y, Mehmood K, Hui Zhang, Gang Qiu, Fazul Nabi, Wangyuan Yao, Meng Wang, Jiakui L. (2017) High altitude hypoxia as a factor that promotes tibial growth plate development in broiler chickens. PLoS ONE 12(3): e0173698. doi:10.1371/journal.pone.0173698.	2.77
19.	Nabi, F., Shahzad, M., Liu, J., Li, K., Han, Z., Zhang, D., Iqbal, M.K. & Li, J (2016). Hsp90 inhibitor celastrol reinstates growth plate angiogenesis in thiram-induced tibial dyschondroplasia. Avian Pathology, 45(2):187-193.	1.96
20.	Shucheng Huang, Mujeeb Ur Rehman, Gang Qiu, Houqiang Luo, Muhammad Kashif Iqbal , Hui Zhang, Khalid Mehmood and Jiakui Li (2018). Tibial dyschondroplasia is highly related to suppression of the hypoxia inducible factor (HIF)-1 α , -2 α , and -3 α expressions in chickens. Journal of Veterinary Science, 19(1): 107-115.	1.50
21.	Zhang H, Rehman MU, Li K, Luo H, Lan Y, Nabi F, Shahzad M, Huang S, Liu X, Mehmood K, Iqbal MK and Li J, 2017. Antimicrobial resistance of <i>Escherichia Coli</i> isolated from Tibetan piglets suffering from white score diarrhea. Pakistan Veterinary Journal, 37(1): 43-46.	1.36
22.	Zhang H, Rehman MU, Li K, Luo H, Lan Y, Nabi F, Zhang L, Iqbal MK et al. Epidemiologic survey of Japanese encephalitis virus infection, Tibet, China, 2015. Emerging Infectious Diseases. 2017. 23(6): 1023-1024. DOI: 10.3201/eid2306.152115.	7.18

23.	Lihong Zhang, Kun Li, Dongyu Liu, Shucheng Huang, Mujeeb Ur Rehman, Hui Zhang, Yanfang Lan, Lei Wang, Yanan Hao, Muhammad Kashif Iqbal , Khalid Mehmood, Xiaoqiang Wang, Yangczom Chamba, Jiakui Li (2017). Seroprevalence and risk factors associated with hepatitis E virus infections among humans and pigs in Tibet, China. <i>Acta Tropica</i> , 172, 102-106.	2.63
24.	Lihong Zhang, Shucheng Huang, Kun Li, Mujeeb Ur Rehman, Xiong Jiang, Xiaole Tong, Hui Zhang, Muhammad Kashif Iqbal , Khalid Mehmood, Suozhu Liu, Yaoqin Shen and Jiakui Li (2018). Molecular Detection of Indigenous Hepatitis E Virus (HEV) from Tibetan Pigs in Tibet, China. <i>Food and Environmental Virology</i> , 10(4): 373-377. doi: 10.1007/s12560-018-9352-6.	3.05
25.	Mujeeb Ur Rehman, Hui Zhang, Yajing Wang, Khalid Mehmood, Shucheng Huang, Muhammad Kashif Iqbal , Jiakui Li. Experimental mouse lethality of <i>Escherichia coli</i> strains isolated from free ranging Tibetan yaks. <i>Microbial Pathogenesis</i> , 109(2017), 15-19.	2.58
26.	Mujeeb Ur Rehman, Hui Zhang, Shucheng Huang, Muhammad Kashif Iqbal , Khalid Mehmood, HouqiangLuo and Jiakui Li. Characteristics of Integrons and Associated Gene Cassettes in Antibiotic-Resistant <i>Escherichia coli</i> Isolated from Free-Ranging Food Animals in China. <i>Journal of Food Science</i> , 82(8):1902-1907.doi: 10.1111/1750-3841.13795.	2.08
27.	Shucheng Huang, Mujeeb Ur Rehman, YanfangLan, Gang Qiu, Hui Zhang, Muhammad Kashif Iqbal , Houqiang Luo, Khalid Mehmood, Lihong Zhang, and Jia-kui Li (2017).Tibial dyschondroplasia is highly associated with suppression of tibial angiogenesis through regulating the HIF-1 α /VEGF/VEGFR signaling pathway in chickens. <i>Scientific Reports</i> , 7: 9089. DOI: 10.1038/s41598-017-09664-6.	4.01
28.	Hui Zhang, Khalid Mehmood, Kun Li, Mujeeb Ur Rehman, Xiong Jiang, Shucheng Huang, Lei Wang, Lihong Zhang, Xiaole Tong, Fazul Nabi, Wangyuan Yao, Muhammad Kashif Iqbal , Muhammad Shahzad and Jiakui Li (2018). Icariin ameliorate thiram induced Tibial Dyschondroplasia via regulation of WNT4 and VEGF expression in broiler chickens. <i>Frontiers in Pharmacology</i> , 9: 123.	3.84
29.	Hammad Nayyar Ghauri, Ijaz M, Farooqi SH, Ali A,Ghaffar A, Saleem S, Iqbal MK , Aziz MU, Ghani U, Rafi Ullah M and Ahmad HM (2019). A comprehensive review on past, present and future aspects of canine theileriosis. <i>Microbial Pathogenesis</i> . 126:116-122.	2.58
30.	Saleem S, Ijaz M, Farooqi SH, Ghaffar A, Ali A, Iqbal MK , Mehmood K and Zhang H, (2018). Equine Granulocytic Anaplasmosis 28 years later. <i>Microbial Pathogenesis</i> . 119:1-8.	2.58
31.	Hafiz Ishfaq Ahmad, Muhammad Jamil Ahmad, Akhtar Rasool Asif, Muhammad Adnan, Muhammad Kashif Iqbal , Khalid Mehmood, Sayyed Aun Muhammad, Ali Akbar Bhuiyan, Abdelmotaleb Elokil, Xiaoyong Du, Changzhi Zhao, Xiangdong Liu and Shengsong Xie (2018). A Review of CRISPR-Based Genome Editing: Survival, Evolution and Challenges. <i>Current Issues in Molecular Biology</i> , 28: 47-68.	2.51

32.	Khalid Mehmood, Zhang Hui, Ahmad Jawad Sabir, Rao Zahid Abbas, Muhammad Ijaz, Aneela Zameer Durrani, Muhammad Hassan Saleem, Mujeeb Ur Rehman, Muhammad Kashif Iqbal , Yajing Wang, Hafiz Ishfaq Ahmad, Tariq Abbas, Riaz Hussain, Muhammad Taslim Ghor, Sadaqat Ali, AmanUllah Khan, and Jiakui Li (2017). A review on epidemiology, global prevalence and economical losses of fasciolosis in ruminants. <i>Microbial Pathogenesis</i> , 109: 253-262.	2.58
33.	Nabi F, Ismail Rind M, Li Jiakui, Zulqarnain M, Shahzad M, Ahmed N, Muhammad Kashif Iqbal and Rehman MU (2017). Influence of different feed forms and particle size on efficiency of broiler production. <i>Online Journal of Animal and Feed Research</i> , 7(2): 24-28.	0.00
34.	Hafiz Ishfaq Ahmad, Muhammad Ijaz, Muhammad Kashif Iqbal , Khalid Mehmood, Babar Maqbool, Akhtar Rasool Asif, Muhammad Jamil Ahmad, Muhammad Zahid Farooq and Farmanullah (2018). Molecular characterization and phylogenetic analysis of bovine Fasciolosis in indigenous cattle and buffalo populations in Okara, Pakistan. <i>Scholars Journal of Agriculture and Veterinary Sciences</i> , 5(4):255-265	0.00
Total Impact Factor		72.82

Honors & Award

- Awarded **Chinese Government Scholarship (2014- 2017)** for PhD
- Awarded Start up research grant project from HEC Islamabad
- Awarded the status of **HEC approved PhD supervisor**
- Invited Reviewer from SCI Journals (**Acta Tropica, Microbial Pathogenesis, Inflammation, Biomed Research International, International Immunopharmacology and Frontiers in Veterinary Science**)
- Life time membership of **Pakistan Veterinary Medical Council** (PVMC Registration Code: RVMP/ 6499)
- **Editorial Board Member of Animal and Veterinary Science Journal and Frontiers in Veterinary Science**
- Received Laptop on Merit Basis from Government of Punjab

CO-SUPERVISER OF MPhil STUDENT

- Student's Name: Mr. Hammad Nayyar Ghauri Reg No: 2017-VA-095
- Thesis title: Molecular Diagnosis and Chemotherapy of Canine Anaplasmosis. M. Phil degree completed

Completed Project

- Project Title: Clinico-Epidemiology Investigation of Methicillin Resistant *Staphylococcus aureus* from subclinical mastitis in dairy goats
Funding Agency: Higher Education Commission
Total Approved amount: Rs. 469800

Conferences, Workshops, Seminars and Symposium attended

- Certificate of Participation in “One-day hands-on training on use of qgis software for disease mapping” organized by ORIC CUVAS on March 11, 2020.
- Attended five-day online Faculty Orientation Training Workshop, from November 02-06, 2020 organized by Punjab Higher Education Commission.
- Attended International Webinar “Status of Ticks and Tick-borne diseases of ruminants in Pakistan” on October 16, 2020.
- Successfully completed five days Virtual Biorisk Management Training (Basic course) organized by Association for Biorisk Management from December 28, 2020 to January 01 2021.
- Certificate of achievement for e-learning course “**Rinderpest Diseases Recognition**” on October 5, 2020.
- Attended online Workshop and Webinar on “Advance Molecular Techniques: An Insight view on Trouble Shooting and Primer Designing in Clinical Diagnostics” organized by CVAS Jhang on December 14, 2020.
- Attended three-day workshop on “ In Service Competency Enhancement Training for University Faculty” from 28-30th January, 2019 in collaboration with Centre for Educational Policy and Administration, UVAS.
- Certificate of Participation for attending “International Webinar on Cyanide Poisoning” organized by Department of Veterinary Medicine, UVAS Lahore.
- 4 days National Workshop on “ Pathological Readings for Clinicians Part II” at Dept. of Clinical Medicine & Surgery from 22nd-25th October 2018.
- 5 days Training on “Dairy Animal Clinical Examination and Equine Lameness” from 25th- 29th June, 2018.
- 2 days National Workshop on “Hands-on Training on Necropsy Practice” at Dept. of Pathology, UVAS, Lahore on 23rd- 24th April, 2018.
- Certificate of Participation in “First annual Academic Symposium for International students of Huazhong Agricultural University Wuhan, China” on 6th January, 2018.
- 2 days’ workshop on Complement Fixation Test by Dept. of Microbiology with collaboration of UDL & QOL, 7-8 April, 2014.
- One day training course on Clinico-Pathological Investigation of Field Diseases at Department of Pathology, UVAS Lahore, April 3rd, 2014.
- Workshop on use of endnote held on 2nd April, 2014 at UVAS Lahore.
- Certificate of Participation in one day seminar on “Benefits of Bio-Wache in Poultry Production” on 4th December, 2013.
- Seminar on Modern Concepts for Poultry Production 12th September, 2013 Dept. of Physiology in collaboration with Punjab Agriculture Research Board at UVAS Lahore.

- International Conference on Pharmaceutical Toxicology in collaboration with HEC Islamabad, Pakistan and Dept. of Clinical Neuroscience, University of Cambridge, UK. April 25-26, 2013.
- National Awareness Conference on "Tuberculosis a Zoonosis" on April 16, 2013.
- 10th Annual Conferences on Emerging Trends: Zoonosis Symposium. Infectious Disease Society of Pakistan, Shaikat Khanum Memorial Cancer Hospital and Research Center, Lahore. 22-23 February, 2013.
- 5th One day workshop on Young Researchers Skill Development. Faculty of Agriculture, University of Agriculture Faisalabad on 15th December, 2012.
- Participated in Online 6-Weeks-Canine Theriogenology for Dog Enthusiasts by Dr. Margaret V. Root. University of Minnesota, USA

References

- Prof. Dr. Jiakui Li, College of Veterinary Medicine, Huazhong Agricultural University Wuhan, China. Email: lijk210@mail.hzau.edu.cn, Tel: +86-13628942962.
- Prof. Dr. Aneela Zameer Durrani, Chairperson, Department of Clinical Medicine and Surgery, University of Veterinary and Animal Sciences, Lahore, Email: aneela@uvas.edu.pk, Tel: +92-323-4032673.
- Dr. Muhammad Ijaz, Associate Professor, Department of Clinical Medicine and Surgery, University of Veterinary and Animal Sciences, Lahore, Email: mijaz@uvas.edu.pk, Tel: +92-333-6255049.