

CURRICULUM VITAE

Dr. Muhammad Kasib Khan, DVM, M.Sc. (Hons.), Ph.D.

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Biography

I completed my Ph.D. in Preventive Veterinary Medicine with a specialization in Molecular Parasitology from Huazhong Agricultural University, Wuhan, P.R. China, in 2013. My Ph.D. fellowship was awarded by the University of Agriculture, Faisalabad (UAF), under the Faculty Development Program initiated by the Higher Education Commission, Islamabad. After completing my Ph.D., I joined the Department of Parasitology at UAF as a Lecturer in January 2014 and was promoted to Assistant Professor on the Tenure Track System (TTS) in April 2014. Currently, I am serving as a Tenured Associate Professor in the same department and am also the Incharge of the Epidemiology Laboratory. Alongside my academic responsibilities, I perform various administrative duties, including serving as the Incharge of Epidemiology Laboratory, the Focal Person for Admissions of DVM students, the Focal Person for DVM curriculum revision, and a member of the UAF Sports Board. I have participated in numerous national and international training programs, workshops, and conferences, contributing to my expertise in the field.

Experience

28.10.2021 – Todate: Associate Professor (Tenured) in Department of Parasitology, UAF

25.04.2014 – 27.10.2021: Assistant Professor (TTS) in Department of Parasitology, UAF

29.01.2014 – 24.04.2014: Lecturer in Department of Parasitology, UAF

10.01.2010 – 31.12.2013: Ph.D. scholar, College of Veterinary Medicine, Huazhong Agricultural University, Wuhan, China

14.05.2008 – 31.12.2009: Research Fellow in Department of Parasitology, UAF

01.10.2007 – 31.03.2008: Veterinary Officer in Department of Parasitology, UAF

01.08.2006 – 30.06.2008: Master of Science in Veterinary Parasitology, Department of Parasitology, UAF

Research interests

My current research areas include: (1) Molecular surveillance of parasites infecting human and livestock populations, (2) Molecular identification and control of food- and waterborne parasites infecting humans and livestock, (3) Antiparasitic resistance and screening of plant- and cereal-derived extracts for antiparasitic activity, (4) Biotechnology applications in parasitology, particularly in molecular diagnostics, genetic mapping, and sequencing for parasite identification and control.

Publication Record (Impact Factor 132.60)

Web of Science		Google Scholar	
25	75		
H-Index	Publications	All	Since 2020
1,376	990	Citations	2516
Sum of Times Cited	Citing Articles	h-index	30
		i10-index	55
			1578
			25
			44

Research papers published in impact factor journals

Sr. No.	Title of manuscript
1.	Cidan, Y., Wang, J., Wang, H., Xu, C., Zhu, Y., Khan, M.K. , Basang, W. and Li, K., 2025. Composition and diversity of rumen mycobiota in Jiani yaks (<i>Bos grunniens jiani</i>): insights into microbial ecology and functions. <i>Animal Biotechnology</i> , 36(1), p.2476539.
2.	Mughal, M.A.S., Khan, M.K. , Abbas, R.Z., Saqib, M., 2025. Diverse gene targets for <i>Trypanosoma</i> detection in equines – a comparative analysis. <i>Veterinarski Arhiv</i> 95 (2): 157-172.
3.	Khan, M.K. , Mahmood, M.S., Ali, S., Khatoon, A., Umar, S., Mughal, M.A.S., Azeem, A., Chatha, A.K., Abbas, Z. and Rafique, A., 2024. Prevalence and Characterization of <i>Buxtonella sulcata</i> in Bovines in Pakistan Using Morphological and PCR-Based Approaches. <i>Pakistan Veterinary Journal</i> , 44(4): 1298-1302.
4.	Chaudhry, M.K., Sindhu, Z.U.D., Zafar, M.A., Khan, M.K. and Hanif, M.A., 2024. Documentation of Ethnoveterinary Practices in the Pothohar Plateau (District Chakwal), Pakistan. <i>Pakistan Journal of Agricultural Sciences</i> , 61(4), 1108-1114.
5.	Faizan, S.M., Javed, M.T., Saleemi, M.K. and Khan, M.K. , 2024. Assessment of Therapeutic Effects of Egg Yolk Antibodies in Broilers Infected with Avian Pathogenic <i>Escherichia coli</i> (APEC) on Growth Performance and Hemato-Biochemical Indicators. <i>Pakistan Journal of Agricultural Sciences</i> , 61(4), 1075-1083.
6.	Nadeem, S., Aslam, R. and Khan, M.K. , 2024. Risk analysis and seroprevalence of bovine ephemeral fever virus in Punjab, Pakistan. <i>Veterinární medicína</i> , 69(3), 67-76.
7.	Razzaq, M.A., Imran, M., Atif, F.A., Abbas, R.Z., Alvi, M.A., Swelum, A.A., Sindhu, Z.U.D., Khan, M.K. , Sabir Mughal, M.A., Khan, A. and Wu, W.F., 2024. Molecular surveillance based on anaplasmosis in domestic small ruminants: First report on zoonotic <i>Anaplasma capra</i> and phylogenetic insights from Faisalabad, Pakistan. <i>PLoS One</i> , 19(12), p.e0316866.
8.	Zaheer, T., Abbas, R.Z., Rehman, T.U., Khan, M.K. and Arshad, M.I., 2024. Novel insights regarding the safety and efficacy of pyrethroid-coated nanoparticles against <i>Hyalomma</i> ticks. <i>Toxicology Mechanisms and Methods</i> , 34(2), 148-163.
9.	Nadeem, M., Khan, M.K. , Sindhu, D. and Deeba, F., 2024. Prevalence and associated risk factors of haemoparasites in the Balochistani dromedaries. <i>Pakistan Journal of Agricultural Sciences</i> , 61(1): 189-197.
10.	Said, A., Khattak, I., Abbas, R.Z., Khan, M.K. , Saleemi, M.K., Budke, C.M., Verocai, G.G., 2023. <i>Toxocara canis</i> seropositivity in different exposure groups in the Khyber Pakhtunkhwa province of Northwest Pakistan. <i>Parasitology Research</i> , 122(5): 1159-1166.
11.	Zaheer, T., Abbas, R.Z., Perveen, N., Sparagano, O.A., Khan, S.R., Rehman, T.U., Raza, A., Khan, M.K. , Arshad, M.I., 2023. Application of cypermethrin-coated ZnS and ZnO nanoparticles against <i>Rhipicephalus</i> ticks. <i>Pathogens</i> , 12(6): 807.
12.	Said, A., Abbas, R.Z., Khattak, I., Khan, M.K. , Kashif, M., 2023. Seroprevalence of <i>Toxoplasma gondii</i> in dogs and cats in Khyber Pakhtunkhwa Pakistan. <i>Pakistan Journal of Agricultural Sciences</i> , 60(3): 455-461.
13.	Saeed, Z., Abbas, R.Z., Khan, M.K. , Saleemi, M.K., 2023. Anticoccidial activities of essential oil of <i>Amomum subulatum</i> in broiler chicks. <i>Pakistan Journal of Agricultural Sciences</i> , 60(2): 377-384.
14.	Altaf, S., Abbas, R.Z., Akhtar, T., Siddique, F., Mahmood, M.S., Khan, M.K. , Ziaf, K., Rafay, M., Khan, M.A., Abbas, A., Marcelino, L.A., 2023. Antioxidant rich medicinal plants as a potential candidate to treat gastric ulcer. <i>Boletín Latinoamericano Y Del Caribe De Plantas Medicinales Y Aromáticas</i> , 22(5): 560-580.
15.	Al Syaad, K.M., Salman, M., Abbas, R.Z., Khan, M.K. , Mahmood, M.S., 2023. Anticoccidial Effect of <i>Cinnamomum verum</i> Essential Oil and Its Impact on Hematological and Serum Biochemical Parameters in Broilers. <i>Advancements in Life Sciences</i> , 10(3): 457-463.
16.	Masoud, F., Mahmood, M.S., Abbas, R.Z., Cheema, H.M.N., Rafique, A., Ali, S., Aslam, R., Khan, M.K. , 2023. Engineered Newcastle disease virus expressing the haemagglutinin protein of H9N2 confers protection against challenge infections in chickens. <i>Process Biochemistry</i> , 130: 281-290.
17.	Zafar, A., Khan, M.K. , Abbas, R.Z., Saqib, M., Javed, H., 2023. Molecular evidence of toxoplasmosis in people living with HIV in Pakistan. <i>International Journal of STD & AIDS</i> , 34(5): 346-352.
18.	Sindhu, Z.U.D., Naseer, M.U., Raza, A., Aslam, B., Ahmad, J., Abbas, R.Z., Khan, M.K. , Imran, M., Zafar, M.A., Khattak, B., 2022. Resistance to Cypermethrin Is Widespread in Cattle Ticks (<i>Rhipicephalus microplus</i>) in the Province of Punjab, Pakistan: In Vitro Diagnosis of Acaricide Resistance. <i>Pathogens</i> , 11(11), 1293.
19.	Alvi, M.A., Asghar, F., Ali, R.M.A., Li, L., Saqib, M., Khan, M.K. , Imran, M., Qamar, W., FU, B., Yan, H., Jia, W., 2022. Prevalence, risk factors and first record of mitochondrial cox1 gene based molecular

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20. Abbas, Z., **Khan, M.K.**, Abbas, R.Z., Sindhu, Z.U.D., Sajid, M.S., Munir, A., Wahid, A., Zafar, A., Mughal, M.A.S., Imran, M., Mehmood, R., Nadeem, M., 2022. Molecular Epidemiology of *Cryptosporidium parvum* and *Giardia lamblia* in Different Water Bodies, Soil, and Vegetables in Pakistan. *Health Security*, 20(4), 2022.
21. Bajwa, H.U.R., **Khan, M.K.**, Abbas, Z., Riaz, R., Rehman, T.U., Abbas, R.Z., Aleem, M.T., Abbas, A., Almutairi, M.M., Alshammari, F.A., Alraey, Y., Alouffi, A., 2022. Nanoparticles: Synthesis and Their Role as Potential Drug Candidates for the Treatment of Parasitic Diseases. *Life*, 12: 750.
22. Hussain, K., Abbas, R.Z., Abbas, A., Rehman, M.A., Raza, M.A., Rehman, T., Hussain, R., Mahmood, M.S., Imran, M., Zaman, M.A. and Sindhu, Z.D., **Khan, M.K.**, Ali, S., 2021. Anticoccidial and Biochemical Effects of *Artemisia Brevifolia* Extract in Broiler Chickens. *Brazilian Journal of Poultry Science*, 23.
23. Rehman, T., Iqbal, K.J., Anwer, A., Abbas, R.Z., Babar, W., Ali, A., **Khan, M.K.**, Javid, A., Khan, N., Ali, H.M., Shahzad, F., Zaman, M.A., Sikandar, A., 2021. In vitro anthelmintic efficacy of *Citrullus colocynthis* (L.) Schrad on *Haemonchus contortus*. *Veterinarski Arhiv*, 91 (3): 309-318.
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25. Zaheer, T., Imran, M., Pal, K., Sajid, M.S., Abbas, R.Z., Aqib, A.I., Hanif, M.S., Khan, S.R., **Khan, M.K.**, Sindhu, Z.U.D., Rahman, S.U., 2021. Synthesis, characterization and acaricidal activity of green-mediate d ZnO nanoparticles against Hyalomma ticks. *Journal of Molecular Structure*, 1227: 129652.
26. Hussain, K., Abbas, R.Z., Abbas, A., Raza, M.A., Mahmood, M.S., Imran, M., **Khan, M.K.**, Rafay, M., 2021. Therapeutic potential of medicinal plants against Leishmaniasis: a public health concern. *Boletín Latinoamericano y del Caribe de Plantas Medicinales y Aromáticas*, 20(2): 123-131.
27. Abbas, R.Z., Zaman, M.A., Sindhu, Z.U.D., Sharif, M., Rafique, A., Saeed, Z., Rehman, T.U., Siddique, F., Zaheer, T., **Khan, M.K.**, Akram, M.S., Chattha, A.J., Fatima, U., Munir, T., Ahmad, M., 2020. Anthelmintic Effects and Toxicity Analysis of Herbal Dewormer against the Infection of *Haemonchus contortus* and *Fasciola hepatica* in Goat. *Pakistan Veterinary Journal*, 40(4): 455-460.
28. Sajid, M.S., Rizwan, H.M., **Khan, M.K.**, Qudoos, A., Atif, F.A., Malik, M.A., Maqbool, M., 2020. Association of herd management with the infestation of ticks in domestic goats. *Journal of the Hellenic Veterinary Medical Society*, 71(3), 2283-2290.
29. Anwar, M.A., Aqib, A.I., Ashfaq, K., Deebe, F., **Khan, M.K.**, Khan, S.R., Muzammil, I., Shoaib, M., Naseer, M.A., Riaz, T., Tanveer, Q., 2020. Antimicrobial resistance modulation of MDR *E. coli* by antibiotic coated ZnO nanoparticles. *Microbial Pathogenesis*, 148, 104450.
30. Salman, M., Abbas, R.Z., Israr, M., Abbas, A., Mehmood, M.K., **Khan, M.K.**, Hussain, R., Saleemi, M.K., Shah, S., 2020. Repellent and acaricidal activity of essential oils and their components against *Rhipicephalus* ticks in cattle. *Veterinary Parasitology*, 283, 109178.
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33. Ghaffar, A., Hussain, R., Noreen, S., Abbas, G., Chodhary, I.R., Khan, A., Ahmed, Z., **Khan, M.K.**, Akram, K., Ulhaq, M., Ahmad, N., 2020. Dose and Time-Related Pathological and Genotoxic Studies on Thiamethaxam in Fresh Water Fish (*Labeo rohita*) in Pakistan. *Pakistan Veterinary Journal*, 40(2), 151-156.
34. Ahmad, S., Sajid, M.S., **Khan, M.K.**, Nadeem, R., Rizwan, H.M., Mali, M.A., Yosuf, F., 2020. Effect of trace element supplementation on the gastrointestinal parasites of grazing sheep. *The Journal of Animal and Plant Sciences*, 30(1): 72-80.
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36. Hussain, R., Ali, F., Rafique, A., Ghaffar, A., Jabeen, G., Rafay, M., Liaqat, S., Khan, I., Malik, R., **Khan, M.K.**, Niaz, M., Akram, K., Masood, A., 2019. Exposure to Sub-Acute Concentrations of Glyphosate Induce Clinico-Hematological, Serum Biochemical and Genotoxic Damage in Adult Cockerels. *Pakistan*

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37. Abbas, A., Abbas, R.Z., **Khan, M.K.**, Raza, M.A., Mahmood, M.S., Saleemi, M.K., Hussain, T., Khan, J.A., Sindhu, Z.U.D., 2019. Anticoccidial Effects of *Trachyspermum ammi* (Ajwain) in Broiler Chickens. Pakistan Veterinary Journal, 39(2), 301-304.
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39. Abbas, A., Abbas, R.Z., Masood, S., Iqbal, Z., **Khan, M.K.**, Saleemi, M.K., Raza, M.A., Mahmood, M.S., Khan, J.A., Sindhu, Z.U.D., 2018. Acaricidal and insecticidal effects of essential oils against ectoparasites of veterinary importance. Boletín Latinoamericano y del Caribe de Plantas Medicinales y Aromáticas, 17(5): 441–452.
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