DR. IJAZ AHMAD

Research (Selected List of Publications (Research Paper/Review paper/Abstract), Research Grants):

1. Ijaz Ahmad, Shakoor Ahmed, Muhammad Faizan, Shahab Ahmad Nawaz, Shabana Naz, Muhammad Israr, Rifat Ullah Khan, Antonella Perillo, and Ibrahim A. Alhidary (2026). Establishing the epidemiological cut-off value (ECOFF) for cefquinome against Staphylococcus aureus using standardized MIC data. Veterinary Medicine and Science. https://doi.org/10.1002/vms3.70995

2. Saudoyez, Susan and Feberwee, Anneke and Bokma, Jade and Gautier-Bouchardon, Anne V. and Tardy, Florence and Dudek, Katarzyna and Ahmad, Ijaz and Hurri, Emma and Holstege, Manon and Manso-Silván, Lucía and Catania, Salvatore and Barberio, Antonio and Wiegel, Jeanine and Becker, Claire A.M., 2026 Antimicrobial practices for Mycoplasma infections in cattle: a survey of veterinary practitioners in light of current scientific evidence and national guidelines. Available at SSRN: https://ssrn.com/abstract=6903707

3. Gao, Y.-Y., I.Ahmad, and F.Yang. 2026. "Pharmacokinetics of Ceftiofur-Related Residues in Rabbits After Single Intravenous and Intramuscular Administration." Journal of Veterinary Pharmacology and Therapeutics1–6. https://doi.org/10.1111/jvp.70075.

4. Mobeen ur Rashid, Saeed Ahmed, javed Muhammad, Muhammad Tariq Navid, Waseem Safdar, Aman Karim, Ijaz Ahmad, Haider Ali, Kashif Abdaal (2026). Screening of bacteriophages for subsequent treatment of resistant Escherichia coli infections transmitted through poultry. Braz J Microbiol 57, 83 (2026). https://doi.org/10.1007/s42770-026-01897-w

5. Muhammad Saeed, Shahid Anwar, Muhammad Faiq, Hayatullah Khan, Rajwali Khan, Naveedullah, Murad Ali Khan, Ijaz Ahmad and Farhan Anwar Khan (2025). Bronchiolar Epithelium Revealed as a Primary Tropism Site of Mycoplasma capricolum subsp. capripneumoniae in a Novel Caprine CCPP Model. Pak Vet J. http://dx.doi.org/10.29261/pakvetj/2025.301

6. Ullah, Q.; Ahmad, S.; Khan, S.; Ahmad, I.; Khan, S.; Khan, R.; Khan, F.A (2025). Hydroxamic Acid Isolated from Maize Roots Exhibits Potent Antimicrobial Activity Against Pathogenic Escherichia coli in Broiler Chickens. Microbiol. Res., 16, 222. https://doi.org/10.3390/microbiolres16100222.

7. Naghavi, M et al., (2025). Global burden of 292 causes of death in 204 countries and territories and 660 subnational locations, 1990-2023: a systematic analysis for the Global Burden of Disease Study 2023. LANCET; Volume 406; Issue 10513; Page 1811-1872. DOI 10.1016/S0140-6736(25)01917-8

8. Ahmad I, "Pk/pd Integration for Dose Optimization of Enrofloxacin against Salmonella Gallinarum Causing Fowl Typhoid". (Accepted for presentation in American society of Microbiology (ASM Microbe 2024).

9. X. Cai, M. Jin, L.Yao, B. He, S. Ahmed, W. Safdar, I. Ahmad, D. Cheng, Z. Lei and T. Sun (2023) Physicochemical Properties, Pharmacokinetics, Toxicology and

Application of Nanocarriers, J. Mater. Chem. B, 2023, DOI:10.1039/D2TB02001G.

10. Ijaz Ahmad, Haihong Hao, Pascal Sanders, Zafar Iqbal, Saeed Ahmed, Farhan Anwar Khan, Zahir Shah, Muhammad Ibrahim and Lingli Huang (2022). New HPLC Method for Determination of Cefquinome in Cattle Plasma and its Application for Pharmacokinetic Study. Pakistan J. Zool., pp 1-8, 2022.

11. Mumtazur Rahman, Farhan Anwar Khan, Umar Sadique, Ijaz Ahmad, Shakoor Ahmad, Faisal Ahmad, Hayatullah Khan, Muhammad Saeed, Faiz Ur Rehman, Ibrar Hussain, M. Faraz Khan, M. Izhar ul Haque and Hanif-ur-Rehman. In-vitro Susceptibility of Mycoplasma capricolum Subsp. capripneumoniae Pakistan Strain to Commercially Available Quinolones. Pakistan J. Zool., pp 1-7, 2021 (0.28).

12. Fang Wang, Kun Mi , Ijaz Ahmad, Shuyu Xie, Hafiz Iftikhar Hussain, Zonghui Yuan, Menghong Dai, Lingli Huang, Antibacterial activity of cyadox against Clostridium perfringens in broilers and a dosage regimen design based on pharmacokinetic-pharmacodynamic modeling. Microbial Pathogenesis, Volume 141, April 2020, 103981.

13. Saeed Ahmed, Jianan Ning, Dapeng Peng, Ting Chen, Ijaz Ahmad, Aashaq Ali, Zhixin Lei, Muhammad Abu bakr Shabbir, Guyue Cheng & Zonghui Yuan (2020) Current advances in immunoassays for the detection of antibiotics residues: a review, Food and Agricultural Immunology, 31:1, 268-290, DOI: 10.1080/09540105.2019.1707171.

14. FaisalAhmad, HayatullahKhan, Farhan Anwar Khan, Bryan D.Carson, Umar Sadique, Ijaz Ahmad, Muhammad Saeed, Faiz UrRehman, Hanif UrRehman. The first isolation and molecular characterization of Mycoplasma capricolum subsp. capripneumoniae Pakistan strain: A causative agent of contagious caprine pleuropneumonia. Journal of Microbiology, Immunology and Infection. https://doi.org/10.1016/j.jmii.2020.06.002.

15. Muhammad Ishfaq., Wanying Hu., Mohammad Zeb Khan., Ijaz Ahmad., WenxinGuo., Jichang Li 2020. Current Status of Vaccine Research, Development and Challenges of Vaccines for Mycoplasma gallisepticum. Poultry Science https://doi.org/10.1016/j.psj.2020.06.014.

16. Muhammad Ishfaq, Wei Zhang, Wanying Hu, Syed Waqas Ali Shah, Yuhao Liu, Jian Wang, Zhiyong Wu, Ijaz Ahmad, Jichang Li (2019). Antagonistic Effects of Baicalin on Mycoplasma gallisepticum- Induced Inflammation and Apoptosis by Restoring Energy Metabolism in the Chicken Lungs. Infection and Drug Resistance, Volume 2019: 3075—3089 (IF: 1.47).

17. Saeed AHMED, Ijaz AHMAD, Shakoor AHMAD, Zahir SHAH, Muqadar SHAH, Farhan Anwar KHAN, Ijaz AHMAD. Analysis of Pilus Biogenesis Genes in Bacteria Expressing Type IV Pili. Journal of the Faculty of Veterinary Medicine, Kafkas University (2019).

18. Lingli Huang, Haiyang Zhang, Mei Li, Ijaz Ahmad, Yulian Wang and Zonghui Yuan. Pharmacokinetics-pharmacodynamics modelling of tylosin against streptococcus suis in pigs. BMC Veterinary Research (2018) 14:319. (IF: 2)

19. Ahmad I, Lingli Huang, Haihong Hao, Pascal Sanders, Zonghui Yuan (2016): Application of PK/PD Modeling in Veterinary Field: Dose Optimization and Drug Resistance Prediction. BioMed Research International 02/2016; 2016(8). DOI:10.1155/2016/5465678.

20. Ahmad I, Hao H, Huang L, Sanders P, Wang X, Chen D, Tao Y, Xie S, Xiuhua K, Li J, Dan W and Yuan Z (2015) Integration of PK/PD for dose optimization of Cefquinome against Staphylococcus aureus causing septicemia in cattle. Front. Microbiol. 6:588. doi: 10.3389/fmicb.2015.00588

21. Peng Zhang, Haihong Hao, Jun Li, Ijaz Ahmad, Guyue Cheng, Dongmei Chen, Yanfei Tao, Lingli Huang, Yulian Wang, Menghong Dai, Zhenli Liu, Zonghui Yuan: The Epidemiologic and Pharmacodynamic Cutoff Values of Tilmicosin against Haemophilus parasuis. Frontiers in Microbiology 03/2016; 7(108). DOI:10.3389/fmicb.2016.00385 (IF: 4.16).

22. Liye Wang, Lingli Huang, Yuanhu Pan, Kamil Kuča, Blanka Klímová, Qinghua Wu, Shuyu Xie, Ijaz Ahmad, Dongmei Chen, Yanfei Tao, Dan Wan, Zhenli Liu, Zonghui Yuan: Metabolism and Disposition of Aditoprim in Swine, Broilers, Carp and Rats. Scientific Reports 02/2016; 6:20370. DOI:10.1038/srep20370 (IF: 5.22).

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24. Haihong Hao, Huafang Pan, Ijaz Ahmad, Guyue Cheng, Yulian Wang, Menghong Dai, Yanfei Tao, Dongmei Chen, Dapeng Peng, Zhenli Liu, Lingli Huang, Zonghui Yuan: Susceptibility Breakpoint of Enrofloxacin against Swine Salmonella spp. Journal of clinical microbiology 06/2013; 51(9). DOI:10.1128/JCM.01096-13

25. Tasbihullah, Sadeeq ur Rahman, Tariq Ali, Umer Saddique, Shakoor Ahmad, Muhammad Shafiq, Sultan Ayaz, Hamayun Khan, Ijaz Ahmad, Asadullah, Raheela Taj, Hafiz Nidaullah and Alamgir Khan (2019). High Occurrence Rate of Multidrug-Resistant ESBL-Producing E. coli Recovered from Table Eggs in District Peshawar, Pakistan. Pakistan Journal of Zoology, vol. 50(0)

26. Ahmad, I., T. A. Qureshi, F. A. Khan, S. A. K. Mughal, U. Sadique, Z. Shah, S. Khan, Z. U. Hassan 2012. Evaluation of biochemical effects of Diclofenac sodium in goats. The Journal of Animal and Plant Sciences, 22(2 Suppl.): 1-4. (IF: 0.638)

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Book/chapter Published

1. Book published title (Isolation of Gram negative Coccobacilli) ISBN (978-99993-1-698-9)
2. Thesis book published by Lambort title (Diclofenac induced effects in Goat)
3. PK/PD for prediction and contain of antimicrobial resistance (July 2018). In book: Fighting Antimicrobial Resistance. DOI: 10.5599/obp.15.10, pp.371-388