



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE 5871

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Medicina Veterinaria e Scienze Animali**

Scientist-in charge: **Prof.ssa Addis**

[IJAZ AHMAD]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	AHMAD
Name	IJAZ
Date of birth	[26, 07, 1982]

PRESENT OCCUPATION

Appointment	Structure
May 2018 till date (Assistant Professor)	Teaching and Research

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree			
Specialization			
PhD	Pharmacology and Microbiology	Huazhong Agricultural University Wuhan, China	2016
Master	Bacteriology, Virology and Immunology	Uppsala University, Sweden	2013
Master	Pharmacology	Sindh Agricultural University Tandojam, Pakistan	2008
Degree of medical specialization	NA	NA	NA
Degree of European specialization	NA	NA	NA
Other (Doctor of Veterinary Medicine)	Veterinary Medicine, Pharmacology, Microbiology, Parasitology,	Sindh Agricultural University Tandojam, Pakistan	2005



REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City
2016	Member of "American Society of Microbiology"	Washington, DC USA
2016	International Society of anti-infective Pharmacology (ISAP)	Wisconsin, USA
2017	International Society of Infectious diseases (ISID).	Brookline, USA
2009	Member of Pakistan Veterinary medical council	Islamabad

FOREIGN LANGUAGES

Languages	level of knowledge
English	Excellent
Urdu	Excellent
Pashto	Excellent
Chinese	Beginner

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2016	Research Contribution Award from Huazhong Agricultural University Wuhan China
2012	Chinese Government Scholarship for PhD degree
2008	Winner of Quide-Azam Aligarh scholarship during M.S degree program.
2001	Scholarship holder and merit winner throughout DVM degree program.

TRAINING OR RESEARCH ACTIVITY

description of activity:

Dear Professor, I have relevant experience in the application of Pharmacokinetics, pharmacodynamics and PK/PD model for dose optimization and antibacterial resistance prediction and minimization. Recently I have also developed HPLC method for determination of Drug in plasma published in Impact Factor journal. Different invitro, exvivo and in vivo experiment of microbes in animal model are also my expertise. I am an active teacher of the College of Veterinary Sciences, University of Agriculture Peshawar. I have taught numerous courses to undergraduate and postgraduate students. I have received teaching evaluation scores of A⁺.

I have organized trainings on Biosafety, Waste management and preventive measure from COVID-19 etc.

I have supervised many PhD, M-Phil, Master and undergraduate student thesis. I served as a Section editor, Journal of Meat Science and Public Health.

I have published research articles in world reputed research Journals. My research work contributes useful information in scientific field in new directions/idea. I think that I have the potential to



contribute more strongly in my area of research.

In consequence to the above details i have received research Grant for **four projects**, In addition i have also submitted five project to different funding agency in collaboration with France, China and Sri Lanka for funding.

PROJECT ACTIVITY

Year	Project
2011	Master degree project (5 months experience in Project) title: “ Shielding of biomaterials and transplant organ from innate immunity”
2012-2016	PhD Degree Project title: “Pharmacokinetic-Pharmacodynamic Modeling for Cefquinome against Staphylococcus aureus Causing Septicemia in Cattle”
2018-2019	Principal Investigator of project title: “In vitro Pharmacodynamics study of Enrofloxacin against local isolates of Escherichia Coli”
2018-2020	Principal Investigator of project title: “Effect of different dosage of Enrofloxacin on clinical efficacy and resistance development against fowl typhoid.
2017-2020	Co-Principal Investigator of project title: Title: Molecular characterization of Mycoplasma capricolum subsp. capripneumoniae Pakistan strain for the establishment of effective diagnostics and vaccines under PAK-US Project.

PATENTS

Patent

CONGRESSES AND SEMINARS

Date	Title	Place
24-28 April, 2018	Participation in the Master trainer workshop on (Bio Prism Laboratory Safety Training Initiative Program)	Margala Hotel Islamabad organised by Pakistan Biological Safety Association and National Institute of Health USA
26 Decemeber 2018	Presentation: As Resource Person in Training Workshop on “Developing a Winning Research Proposal”	The University of Agriculture Peshawar, Pakistan
29-31, 2019	Certificate of Completion “Bio-Waste Management workshop”	COMSTECH, Islamabad.
January 21-22, 2019	Presentation: 4 th International Conference on Agriculture, Food and Animal Sciences “Development of HPLC medthod for the determination of Cefquinome”	Sindh Agriculture University, Tandojam and Higher Education Commission, Islamabad, Pakistan
21th February 2019	Organizer: Workshop on “Integration of ICT in Agriculture and Applied Research”	The University of Agriculture Peshawar, Pakistan
October 31 to November 01, 2019	Organizer “Training on Biorisk Management”	The University of Agriculture Peshawar, Pakistan in collaboration with Health Security Partner.
22 nd November,	Participation as a Judge at “Hult Prize the	The University of Agriculture Peshawar,



2019	University of Agriculture Peshawar, Pakistan”	Pakistan
27 th February, 2020	Seminar organized on “Novel Corona Virus Emergence, Threats and Prevention”	The University of Agriculture Peshawar, Pakistan
21 to 23 November 2011	International Workshop on Dairy Science Park	The University of Agriculture Peshawar
April 4- 5, 2019	Organizer of National conference on “Microbiology Infectious Diseases and Health Safety”	University of Swabi, Pakistan

PUBLICATIONS

Books

Book Chapter: In book: Fighting Antimicrobial Resistance

Title: PK/PD for prediction and contain of antimicrobial resistance

Authors: Abdul Sajid, Saeed Ahmed, Muhammad ABU Bakr Shabbir, Muhammad Kashif Maan, Ijaz Ahmed, Li Jun, Zonghui Yuan and Haihong Hao

DOI: 10.5599/obp.15.10

Articles in reviews

Review Papers (Full-Length Review Papers in Professional Referred *International Journals*).

1.Ahmed S, Ning J, Cheng G, Ahmad I, Li J, Mingyue L, Qu W, Iqbal M, Shabbir MA, Yuan Z (2017). Receptor-based screening assays for the detection of antibiotics residues - A review. *Talanta*, 1(166):176-186.

Impact Factor: 4.07

Number of Citations: 21

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

Impact Factor: 2.134

Number of Citations: 25

Research Papers Publications

1. **Ijaz Ahmad**, Haihong Hao, Pascal Sanders, Zafar Iqbal, Saeed Ahmed, Frahan Anwar, Zahir shah, Muhammad Ibrahim and Lingli Huang. New HPLC Method for Determination of Cefquinome in Cattle Plasma and its Application for Pharmacokinetic Study. *Pakistan J. Zool.*, pp 1-8, 2022.
2. 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.
3. Muqadar Shah, Hafsa Zaneb, Saima Masood, Anas Sarwar Qureshi, Haq Aman Ullah, Arbab Sikandar, Salahud Din, **Ijaz Ahmad**, Muhammad Shoaib Khan, Habib Ur Rehman, Muhammad Usman. Effect of single or combined supplementation of zinc and probiotics on muscle and bone characteristics and haematobiochemical profile in broilers. *Veterinari Medicina*, 65, 2020 (03): 134-142.
4. 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.
5. Faisal Ahmad, Hayatullah Khan, Farhan Anwar Khan, Bryan D. Carson, Umar Sadique, **Ijaz Ahmad**, Muhammad Saeed, Faiz Ur Rehman, Hanif Ur Rehman. 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>



6. Muhammad Ishfaq., Wanying Hu., Mohammad Zeb Khan., IjazAhmad., WenxinGuo., Jichang Li 2020. Current Status of Vaccine Research, Development and Challenges of Vaccines for <i>Mycoplasma gallisepticum</i> . <i>Poultry Science</i> https://doi.org/10.1016/j.psj.2020.06.014 .
7. 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 <i>Mycoplasma capricolum</i> Subsp. <i>capripneumoniae</i> Pakistan Strain to Commercially Available Quinolones. <i>Pakistan J. Zool.</i> , pp 1-7, 2021.
8. 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 <i>Mycoplasma gallisepticum</i> -Induced Inflammation and Apoptosis by Restoring Energy Metabolism in the Chicken Lungs. <i>Infection and Drug Resistance</i> , Volume 2019: 3075–3089 (IF: 1.47).
9. 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 <i>E. coli</i> Recovered from Table Eggs in District Peshawar, Pakistan. <i>Pakistan Journal of Zoology</i> , vol. 50(0) (IF: 0.79).
10. Khan H, Khan FA, Sadique U, Ahmad S, Hassan ZU, Ahmad F, Shah M, Ahmad I , Shah Z, Rehman ZU (2019). Genotoxic and toxicopathological effect of aflatoxin B1 in grass carp (<i>Ctenopharyngodon idella</i>). <i>Kafkas Univ Vet Fak Derg</i> , (Article in Press). DOI: 10.9775/kvfd.2019.21988 (0.458).
11. 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. <i>Kafkas Univ Vet Fak Derg</i> , 25 (1): 125-128, 2019. (IF: 0.45).
12. Lingli Huang, Haiyang Zhang, Mei Li, Ijaz Ahmad, Yulian Wang and Zonghui Yuan. Pharmacokinetics-pharmacodynamics modelling of tylosin against streptococcus suis in pigs. <i>BMC Veterinary Research</i> (2018) 14:319. (IF: 2)
13. 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 <i>Haemophilus parasuis</i> . <i>Frontiers in Microbiology</i> 03/2016; 7(108). DOI:10.3389/fmicb.2016.00385 (IF: 4.16).
14. 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. <i>Scientific Reports</i> 02/2016; 6:20370. DOI:10.1038/srep20370 (IF: 5.22).
15. Sher Ali Khan, Peiyuan Zhou, Xiaoyu Liu, Hong Li, Jingna Li, Zia Ur Rehman, Ijaz Ahmad : Response of vitamins A, E, hematological and serum biochemical markers in Crucian carp (<i>Carassius auratus gibelio</i>) exposed to environmental Pb(2+) and Cd(2.). <i>Acta biochimica Polonica</i> 09/2015; 62(3). DOI:10.18388/abp.2015_1036 (IF: 1.18).
16. Dan Wan, Xu Wang, Qinghua Wu, Pingping Lin, Yuanhu Pan, Adeel Sattar, Lingli Huang, Ijaz Ahmad , Yuanyuan Zhang, Zonghui Yuan: Integrated Transcriptional and Proteomic Analysis of Growth Hormone Suppression Mediated by Trichothecene T-2 Toxin in Rat GH3 Cells. <i>Toxicological Sciences</i> 07/2015; 147(2). DOI:10.1093/toxsci/kfv131 (IF: 3.88).
17. Kuang X, Hao H, Dai M, Wang Y, Ahmad I , Liu Z, Zonghui Y.Serotypes and antimicrobial susceptibility of <i>Salmonella</i> spp. isolated from farm animals in China. <i>Frontiers in Microbiology</i> 06/2015; 6. DOI:10.3389/fmicb.2015.00602 (IF: 4.16)
18. 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 <i>Staphylococcus aureus</i> causing septicemia in cattle. <i>Front. Microbiol.</i> 6:588. doi: 10.3389/fmicb.2015.00588 (IF: 4.16).
19. Hao H, Liu J, Kuang X, Dai M, Cheng G, Wang X, Peng D, Huang L, Ahmad I, Ren N, Liu Z, Wang Y, Yuan Z. Identification of <i>Campylobacter jejuni</i> and determination of point mutations associated with macrolide resistance using a multiplex TaqMan MGB real-time PCR. <i>J Appl Microbiol.</i> 2015 Jun;118(6):1418-25. doi: 10.1111/jam.12793. Epub 2015 Apr 14.(IF: 2.15).
20. Juan Li, Lingli Huang, Yuanhu Pan, Dongmei Chen, Xu Wang, Ijaz Ahmad , Yanfei Tao, Zhenli Liu, Zonghui Yuan: Tissue Depletion of Quinocetone and Its Five Major Metabolites in Pigs, Broilers, and Carp Fed Quinocetone Premix. <i>Journal of Agricultural and Food Chemistry</i> 10/2014; DOI:10.1021/jf5042867 (IF: 3.10).



21.	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 (IF: 3.63).
22.	Khan, S. B., U. Sadique, F. A. Khan, I. Ahmad, Z. U. Rehman, M. A. Khan, M. Idrees and Z. Shah 2013. Factors affecting efficacy and immunological response against Peste des petites ruminants (PPR) vaccines in small ruminants. The Journal of Animal and Plant Sciences, 23(1 Suppl.): 43-46. (IF: 0.638)
23.	Ahmad, I., T. A. Qureshi, U. Sadique, S. A. Khan, S. Ahmed, Z. U. Rehman, S. Bahadar and M. Mushtaq 2013. Hematological effects of Diclofenac sodium in Goats. The Journal of Animal and Plant Sciences, 23(1 Suppl.): 103-107. (IF: 0.638).
24.	Shah, Z., A. B. Kalhore, A. B. Kachiwal, I. Ahmad, H. Sattar, M. A. Khan, Z. U. Rehman, F. A. Khan, T. Hussain, H. A. Ullah 2013. Comparative studies on sedative and analgesic effects of xylazine and Detomidine in goats. The Journal of Animal and Plant Sciences, 23(1 Suppl.): 39-42. (IF: 0.638)
25.	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)
26.	Khan, S.A., T. Hussain, M. A. Qureshi, G. Ahmed, S. A. Fazlani, I. Ahmed and F. A. Khan 2011. Evaluation of serological response of chicks against Angara disease agent through indirect haemagglutination test. African Journal of Microbiology Research Vol. 5(23). pp. 3991-3993. (IF: 0.539)
27.	Khan, S.A., G. Ahmed, T. Hussain, S. A. Fazlani, I. Ahmad and F. A. Khan 2011. In vivo pathogenicity of hydropericardium hepatitis syndrome (Angara disease). African Journal of Biotechnology Vol. 10(62), pp. 13664-13671. (IF: 0.57).
28.	Khan. F. A., Z. I. Chaudhry, M. I. Ali, S. Khan, N. Mumtaz & I. Ahmad 2009. Detection of Mycobacterium avium subsp. Paratuberculosis in tissue samples of cattle and buffaloes. Trop Anim Health Prod. 42: 633-638. (IF: 1.115).

Congress proceedings

Proceedings of the International Workshop on "Dairy Science Park" November 21-23, 2011 Peshawar, Pakistan.

1. 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): 1-4. Impact Factor: 0.638
Number of Citations: 3
2. Ahmad, I., T. A. Qureshi, U. Sadique, S. A. Khan, S. Ahmed, Z. U. Rehman, S. Bahadar and M. Mushtaq 2013. Hematological effects of Diclofenac sodium in Goats. The Journal of Animal and Plant Sciences, 23(1 Suppl.): 103-107. Impact Factor: 0.638
Number of Citations: 7

OTHER INFORMATION

Served as a Director Advance studies and Research (DASAR) nominee in several board of studies.

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.



The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: Peshawar Pakistan, 17/09/2023

Signature

A handwritten signature in blue ink, appearing to read 'B. C. ...', written over a horizontal line.