

PERSONAL INFORMATION

Ajab Khan



📍 **Permanent address:** P/O Bar Sherpalam, Tehsil Matta, District Swat, Khyber Pakhtunkhwa, Pakistan.

📞 **Current:** +92-313-8041226

✉ **drajab22@gmail.com**

💬 Ajabjani (Wechat ID)

Sex Male | **Date of birth** 07/03/1988 | **Nationality** Pakistani | **Passport No.** RU4123381

WORK EXPERIENCE

December 16th, 2019 – Up to
March 1st 2021

Assistant Professor (Contract basis/full time)

From December 16, 2019 to 1st March, 2021

Shanxi Medical University, Taiyuan, Shanxi, PR China. www.sxmu.edu.cn

Teaching international medical students, helps the chinese students in their write up, designed reseach project and conduct my own research.

Courses of General Pathology, Clinical Pathology, General Physiology, Research Write up and submission of paper in to an international Journal.

March 04, 2015 –March 10, 2017

Lecturer - Pathology (BPS 17, Contract basis/Full time)

Riphah College of Veterinary Sciences (Lahore Campus), Riphah International University. www.aup.edu.pk.

- Teaching and Research

- Courses of General and Systemic Pathology, Clinical pathology, Poultry pathology, Forensic medicine, Necropsy practises taught to DVM and MS/MPhil Patho-biology

August 18, 2014 – March 01,
2015

Teaching Assistant

Department of Pathology, University of Veterinary & Animal Sciences, Lahore-Pakistan.

- Teaching and assisting in practical work at lab

EDUCATION AND TRAINING

March 2017-March 2020

(Supervisor: Prof. Hong-quan Li)

PhD in Clinical Veterinary Medicine (Pathology) – Dissertation title “Anti-invasion and anti-metastatic effect of recombinant porcine natural killer lysin by inhibiting Fascin1 and Matrix Metalloproteinases in hepatocellular carcinoma cell lines”

College of Animal Science and Veterinary Medicine, Shanxi agricultural University, Taigu, Shanxi 030801, PR China www.sxau.edu.cn

Course work include subjects of Bioengineering, Molecular Immunology, Molecular Cell Biology, Molecular biological techniques, Cell signalling Transduction, Veterinary Diagnostics, Modern Chinese veterinary medicine, Foreign Literature Review, Modern Veterinary Diagnostics, Elimentry Chinese 1 and 2.

Feb 2013 - Feb 2015

MPhil/MS (Pathology) – Thesis Title “Pathogenesis of Anaplasmosis in Bulkhi sheep and their confirmation with polymerase chain reaction”.

Department of Pathology, University of Veterinary and Animal Sciences Lahore-54000, Pakistan www.uvas.edu.pk

- Course work include subjects of Veterinary Pathology (major), Histology (minor), statistics and biochemistry (deficiency)

- CGPA - 3.45/4.00

Jan 2008 - Jan 2013

DVM (Doctor of Veterinary Medicine) - Composite 5 years degree of Animal Husbandry and Veterinary Sciences

NWFP Agriculture University Peshawar-25120, Pakistan www.aup.edu.pk

- Equivalent to MSc degree
- Internship as a part of course work (10th semester) at various veterinary institutes and vet hospitals
- CGPA-3.37/4.00 (75.99%)

July 2006 - July 2008

Certificate of Higher Senior Secondary School (pre-medical)

Government college, Tehsil Matta, District Swat, Khyber Pakhtunkhwa-Pakistan

- English, Biology (Botany/Zoology), Physics, Chemistry, Pak studies, Islamic studies and Urdu
- Marks: 810/1100 (74%)

March 1995 - March 2006

Secondary School Certificate (Science)

Abdali Public School, Tehsil Matta, District Swat, Khyber Pakhtunkhwa-Pakistan

- Marks: 874/1050 (84%)

PUBLICATIONS

1. **Ajab Khan**, Kuohai F, Na S, Wei Y, Yaogui S, Panpan S, Ali RJ, Hongquan L, **Recombinant porcine NK-lysin inhibits the invasion of hepatocellular carcinoma cells in vitro**. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 2019, 140: 1249-59 (DOI.ORG/10.1016/J.IJBIOMAC.2019.08.212) (IF= 6.953)
2. **Ajab Khan**, Wei Yin, Sun Na, Yaogui Sun, Panpan Sun, Anam Ahsan, Ali Raza Jahejo, Hongquan Li, Kuohai Fan. **Recombinant porcine NK-Lysin inhibits Fascin1 expression by regulating MAPK signaling pathway** [J]. Cancer causes and treatment (Under Review)
3. **Ajab Khan**, Khohai fan, Li Hongquan. **Advanced strategies to inhibit Fascin1, a metastatic biomarker** (Review article). [J]. Biomedica. Vol 35, Issue 2, Jun-Apr 2019.
4. Kuohai Fan Wenjuan Du, Zhirui Wang, **Ajab Khan**, Hongquan Li, Junbing Jiang. **Anti-Invasion and Anti-Metastatic Effects of Porcine Recombinant NK-lysin on SMMC-7721 Human Hepatocellular Carcinoma cells** [J]. Bio Med Research international, 2019, doi.org/10.1155/2019/5318729 (IF: 2.27)
5. Kuohai Fan, Yina An, Zhirui Wang, Wei Yin, Sun Na, Yaogui Sun, **Ajab Khan**, Hongquan Li. **Antibacterial Activity of Recombinant Porcine β -defensin 2** [J]. Pakistan Veterinary Journal, 39: 3, DOI: [10.29261/pakvetj/2019.030](https://doi.org/10.29261/pakvetj/2019.030) (IF: 1.175)
6. Sun Panpan, Sun Na, Yin Wei, Sun Yaogui, Fan Kuohai, Guo Jianhua, **Khan Ajab**, He Yongming, Li Hongquan. **Matrine inhibits IL-1 β secretion in primary porcine alveolar macrophages through MyD88/NF- κ B pathway and NLRP3 inflammasome**. Veterinary research. 2019, 50(1); 53. doi.org/10.1186/s13567-019-0671-x (IF: 3.357)
7. Sun Na*, Sun Panpan*, Yao Mingjie, **Khan Ajab**, Sun Yaogui, Fan Kuohai, Yin Wei, Li Hongquan. **Autophagy involved in antiviral activity of Sodium tanshinone IIA sulfonate against porcine reproductive and respiratory syndrome virus (PRRSV) infection in vitro** [J]. Antiviral therapy, 2019, 24(1): 27-33. [Doi: 10.3851/MP3268](https://doi.org/10.3851/MP3268) (IF: 2.043)
8. Sun Na*, Sun Panpan*, Xie Ni, **Khan Ajab**, Sun Yaogui, Fan Kuohai, Yin Wei and Li Hongquan. **Antiviral and immunomodulatory effects of dipotassium glycyrrhizinate in chicks artificially infected with infectious bursal disease virus** [J]. Pakistan Veterinary Journal. 2018. 39(1): 43-48. DOI: [10.29261/pakvetj/2018.109](https://doi.org/10.29261/pakvetj/2018.109) (IF: 1.175)
9. Yan Feng, Lei Wang, **Ajab Khan**, Rui zhao, Siang Wei and Xiaoyuan Jing. **Fermented wheat bran by xylanase-producing Bacillus cereus boosts the intestinal microflora of broiler chickens** [J]. Poultry Science. 2019. Aug: 2019. doi.org/10.3382/ps/pez482 (IF: 2.659)
10. Jiangang Zheng, Yinlan Xu, **Ajab Khan**, Shaoyu Wang, Hongquan Li and Na Sun. **In-vitro Screening of Traditional**

- Chinese Medicines Compounds Derived with Anti-encephalomyocarditis virus Activites [J]. Biotechnology and Bioprocess Engineering DOI: [10.1007/s12257-019-0354-5](https://doi.org/10.1007/s12257-019-0354-5) (IF : 2.213)
11. YanYan Yi, ShuangXiu Wan, YaXin Hou, Jia Cheng, JianHua Guo, Shaoyu Wang, **Ajab Khan**, Na Sun, Hongquan Li. **Chlorogenic acid rescues zearalenone induced injury to mouse ovarian granulosa cells** [J]. Ecotoxicology and Environmental Safety doi.org/10.1016/j.ecoenv.2020.110401 (IF : 6.291)
 12. Sun Na*, Hua Zhang, Sun Panpan, **Khan Ajab**, Jianhua Guo, Xiazhong Zheng, Sun Yaogui, Fan Kuohai, Yin Wei and Li Hongquan. **Matrine exhibits antiviral activity in a PRRSV/PCV2 co-infected mouse model** [J]. Phytomedicine. doi.org/10.1016/j.phymed.2020.153289 (IF: 5.340)
 13. Li Zhang, Yanting Dong, Wenzhuo Wang, Taoran Zhao, Tingjuan Huang, **Ajab Khan**, Lei Wang, Zhizhen Li, Jun Xie and Bo Niu. **Ethionine Suppresses Mitochondria Autophagy and Induces Apoptosis via Activation of Reactive Oxygen Species in Neural Tube Defects** [J]. Frontiers in Neurology 2020. doi: [10.3389/fneur.2020.00242](https://doi.org/10.3389/fneur.2020.00242) (IF : 2.889)
 14. Bin Du, Xuexian Liu, **Ajab Khan**, Shuangxiu Wan, Xiang Guo, Jixuan Xue, Ruiwen Fan* **miRNA-183~96~182 regulates melanogenesis, cell proliferation and migration in B16 cells** [J]. Acta Histochemica <https://doi.org/10.1016/j.acthis.2020.151508> (IF : 2.479)
 15. Ali Raza Jahejo, Sheng Niu, Ding Zhang, Guan Bao Ning, Afrasyab Khan, Raza Mangi, Muhammad Farhan Qadir, **Ajab Khan**, Jian-Hui Li and Wen-Xia Tian. **Transcriptome analysis of MAPK signaling pathway and associated genes to angiogenesis in chicken erythrocytes on response to thiram induced tibial lesions** [J]. Research in Veterinary Sciences 2019. doi.org/10.1016/j.rvsc.2019.10.013 (IF: 1.892)
 16. Sansan Jia, Li Zhang, Kaili Zhang, Lei Wang, **Ajab Khan**, Juan Zhang, Yuqing Sun, Yufei Wang, Meiyan Song, Yi Lyu, Meining Li, Xin Lu, Bo Niu, Zhizhen Liu, and Jun Xie. **Nkx2.1 downregulation is involved in brain abnormality induced by excess retinoic acid** [J]. Acta Biochimica et Biophysica Sinica doi.org/10.1093/abbs/gmaa037 (IF : 2.836)
 17. Xiao-Ling Wang, Lei Wang, Chao-Lu Hasi, Yu-Po Wang, **Ajab Khan**, Bin-Zhi Ren, Zhi, Zhen Liu, Shun-Lin, Hou, Li-Hong Yang, Liao-Yun Zhang, Yong-Kang Dong, Jun Xu, Jun Xie **A rapid colloidal gold immunochromatographic assay for the diagnosis of coronavirus disease 2019.** [J]. Chinese Medical Journal [doi: 10.1097/CM9.0000000000000922](https://doi.org/10.1097/CM9.0000000000000922) (IF : 1.585)
 18. Ali Raza Jahejo, Ding Zhang, Sheng Niu, Raza Mangi, Afrasyab Khan, Muhammad Farhan Qadir, **Ajab Khan**, Huan-chun Chen and Wen-Xia Tian. **Transcriptome-based screening of intracellular pathways and angiogenesis related genes at different stages of thiram induced tibial lesions in broiler chickens** [J]. BMC Genomics (IF : 3.594)
 19. Ali Raza Jahejo, Nasir rajput, Jam Kashif, Dildar Hussain Kalhoro, Sheng Niu, Meng-li Qiao, Ding Zhang, Muhammad Farhan Qadir, Raza Mangi, Afrasyab Khan, Anam Ahsan, **Ajab Khan** and Wen-Xia Tian. **Recombinant glutathione-S-transferase A3 protein regulates the angiogenesis-related genes of erythrocytes in thiram induced tibial lesions** [J]. Research in Veterinary Science (IF : 1.892)
 20. Ali Raza jahejo, Fa-jie Jia, Syed haider abbas raza, Mujahid Ali Shah, Jiao jiao Yin, Anam Ahsan, Muhammad Waqas, Sheng niu, Guan-bao Ning, Ding Zhang, **Ajab Khan**, Wen-xia Tian. **Screening of Toll-like receptor signaling pathway-related genes and the response of recombinant glutathione S-transferase A3 protein to thiram induced apoptosis in chicken erythrocytes** [J]. Developmental and Comparative Immunology. doi.org/10.1016/j.dci.2020.103831 (IF:3.192)
 21. Amjad Khan*, Muhammad Hassan Mushtaq, Mansur ud Din Ahmad, Abid Hussain, Asghar Khan, **Ajab Khan** and Habibun Nabi. **INCIDENCE OF REPEAT BREEDING IN VARYING BREEDS OF BUFFALOES AND CATTLE IN DIFFERENT CLIMATIC CONDITIONS IN KHYBER PAKHTUNKHWA (PAKISTAN** [J]. Buffalo Bulletin (IF : 0.11).
 22. Li Zhang^{1,2}, Dandan Li¹, Juan Zhang¹, Ping Yan¹, Xueqin Liu¹, Lei Wang¹, **Ajab Khan¹**, Zhizhen Liu¹, Jianbing Mu³,

- Jun Xu², Bo Niu^{1,4,*}, and Jun Xie^{1,*}. **Excessive apoptosis and ROS induced by ethionine affect neural cell viability and differentiation** [J]. Acta Biochimica et Biophysica Sinica (IF : 2.502)
23. Na Sun, Yutong Zhang, Yaxin Hou, Yanyan Yi, Jianhua Guo, Xiaozhong Zheng, Panpan Sun, Yaogui Sun, **Ajab Khan** and Hongquan Li* **“Effects of Osthole on Progesterone Secretion in Chicken Preovulatory Follicles Granulosa Cells”** [J]. Animals (IF: 2.32).
24. Jin Zhao, Shuangxiu Wan, Na Sun, Panpan Sun, Yaogui Sun, **Ajab Khan**, Jianhua Guo, Xiaozhong Zheng, Kuohai Fan, Wei Yin and Hongquan Li **“Damage to intestinal barrier integrity in piglets caused by porcine reproductive and respiratory syndrome virus infection”** [J]. Veterinary Research (IF:1.792).

Book Chapters Published

- **Ajab Khan**, Anam Ahsan, Muhammad A Farooq, Muhammad Navved and Hongquan Li. **Role of polycyclic aromatic hydrocarbons as EDCs in Metabolic disorders** [J]. Springer. https://doi.org/10.1007/978-3-030-45923-9_19
- Anam Ahsan, **Ajab Khan**, Muhammad Asim Farooq, Muhammad Naveed, Mirza Muhammad Faran Ashraf Baig and Wen xia Tian. **Pyhsiology of Endocrine system and related Metabolic disorders** [J].Springer . https://doi.org/10.1007/978-3-030-45923-9_1
- **Ajab Khan**, Aanam Ahsan, Muhammad Asim Farooq, Mirza Muhammad Farhan Ashraf Baig and Qurat-ul-ain Aslam. Stability Studies of Vaccines. [J]. Springer.

International Conference and workshops

- **International Training workshop on Traditional Chinese veterinary medicine and techniques** from July 10th 2017 to July 29th 2017 at Lanzhou institute of Husbandry and Pharmaceutical Sciences of CAAS.
- Attended 2nd and 3rd **international livestock, dairy and poultry conference** as an organizer at Expo centre Lahore.
- Attended **International Halal Meat conference** at Expo centre Lahore
- Attended **1st and 2nd International workshop of Dairy science Park (DSP)** in Agriculture University Peshawar.

ADDITIONAL INFORMATION

Memberships

- Pakistan Veterinary Medical Council
- Shanxi Agricultural University, Shanxi PR China
- Shanxi Medical University, Taiyuan, PR China
- Alumni UVAS, Lahore
- Riphah International University, RCVets Campus
- International Communication Association, Shanxi Agricultural University.
- Alumni The University of Agriculture, Peshawar

PERSONAL SKILLS

Mother tongue(s) **Pashto**

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	C1	B1	B1	C1
Medium of instruction (both oral and written) of my education was English (Annexure 21-22)					
Urdu	C2	C1	C2	C1	C1
National Language.					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Chinese

Basics

Communication skills

- Good Communication skills obtained through my experiences as Assistant Professor at Shanxi Medical University and Lecturer at two different public sector universities of Pakistan and during my stay in China.
- I worked with different research groups (National and International).

Job-related skills

- Excellent Lecture delivery skills and research supervision, Carry out independent research project
- Good dealing capabilities and project designing
- PCR, ELISA, SDS-PAGE, Agarose Gel Electrophoreses, Western blot technique, Histo-technique, , DNA and RNA extraction, using chamber, Mini and Maxi plasmid extraction, Transformation and transfection of Plasmid DNA, Culturing of cells and primary cells, Immuno-fluorescence technique, RNA Immuno-precipitation, Knock-down and hyper-expression of cloned gene etc



Computer skills

- Good command of Microsoft Office™ tools
- Internet browsing, Plagiarism reports (Turnitin)
- Good scientific and report writing skills
- Different analysing software

Driving licence

- LTV (Light Traffic Vehicle) issued by Government of Pakistan

References

- **Professor Hong-quan Li** (PhD supervisor: China)
Vice President, College of Animal Sciences and Veterinary Medicine, Shanxi Agricultural University, Taigu, RP China, 030801, Chairman of Small Animal Society (CAAV) and Chairman of Animal Surgery Society (CAAV)
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ANNEXES

Available on demand...