

## 1. Dr. Ijaz Ahmad

Department of Livestock Management, Breeding and Genetics  
The University of Agriculture, Peshawar, Pakistan  
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**Domicile:** Swat  
**Nationality:** Pakistani  
**Religion:** Islam  
**CNIC #** 156022-580869-9  
**Marital status:** Married  
**Date of birth:** 01-04-1980  
**Current post:** Assistant Professor (TTS)  
**Department:** The University of Agriculture Peshawar  
**Permanent address:** Moh; Shingrai, Village & P.O Charbagh Distt;  
Swat, KPK, Pakistan  
**HEC Approved Supervisor** Yes

**2. Research interest: Folliculogenesis, reproductive biotechnology, genetics, breeding, mRNAs, miRNAs, etc...**

### 3. Experience:

- Working as a Assistant Professor (TTS) in the Department of Livestock Management, Breeding and Genetics, Faculty of AHVS, Agricultural University, KPK, Peshawar, Pakistan since 08.12.2016.
- Worked as a lecturer (BPS-18) in the Department of Livestock Management, Breeding and Genetics, Faculty of AHVS, Agricultural University, KPK, Peshawar, from 15 August 2007 to 8 December 2016.
- Worked as a lecturer on contract basis in the Department of Livestock Management, Breeding and Genetics, Faculty of AHVS, Agricultural University, KPK, Peshawar, from January 2005 to 15 August 2007.

### 4. Educational background

2010-2014	Phd in Animal Breeding and Genetics (Institute of Animal Science, University of Bonn, Germany)
2003-2005	Master in Animal Breeding and Genetics Agricultural University, Peshawar, Pakistan
1999-2002	Bachelor of Science in Animal Husbandry (B.Sc. Hons) Agricultural University, Peshawar, Pakistan
1997-1998	Higher Secondary Certificate (H.S.C) Examination B.I.S.E, Swat, Pakistan
1995-1996	Secondary School Certificate (S.S.C) Examination B.I.S.E, Swat, Pakistan

## **5. Teaching and Research Activities**

### **A) Teaching:**

#### **Course Taught to the DVM and M.Sc (Hons) and PhD students**

- Introduction to Animal Breeding and Genetics
- Animal Genetics and Population Genetics
- Genetics Aspects of Farm Animal Production
- Applied Animal breeding and Genetics Internship
- Principles and Plans of Animal Breeding and Genetics
- Animal Breeding Plans and Policies
- Animal Breeding Plans
- Breeding of Farm Animals
- Advanced Animal Breeding
- Behavior and Welfare of Domestic Animals
- Livestock Production in Warm Climates
- Beef Production
- Advanced Wool and Hair Production
- General Genetics
- Fundamentals to Livestock Production
- Population Genetics
- Fish Genetics and Breeding
- Animal Breeding and genetics-II
- Fundamentals of Livestock Production
- Livestock Industry
- Theory of Genetic Selection
- Advance Sheep and Goat Production
- Efficiency of Reproduction in Farm Animals
- General Genetics

### **B) Research**

- **Research Project (Completed):**

Title: Profiling the Expression of OXTR at Different Stages of Embryo Implantation in sheep uterus. (Funded by HEC)

- **Student's supervision at PhD program as Major supervisor, Member supervisory committee and Major Member supervisory committee**
- **Supervision of DVM internship /M.Sc. (Hons) students as Major supervisor/Major member/Minor member/Supervisor committee.**

## **6. Techniques and methods used**

- Preantral and antral follicle categorization, Granulosa cells, Theca cells, COCs and Follicular Fluid collection, Transformation, ELIZA, Immuno Histochemistry, Western blot, PCR, Real time PCR, Gel electrophoresis, Cell culturing, Blood sampling handling, siRNA transfection, RNA extraction, RNA quality and quantity detection, miRNA extraction, Spectrophotometer, Karyotyping etc...

## **7. Research Publications**

S.No.	Name of Authors	Complete Name of Journal and Address	ISSN (Print) #	Is the journal national or international?	Title of the Publication
01	Syed Muhammad Suhail, Ijaz Ahmad, Abdul Hafeez, Sohail Ahmed, Dawood Jan, Sarzamin Khan and Altaf-Ur-Rehman	<b>Sarhad Journal of Agriculture.</b> The University of Agriculture, Peshawar, 25130, Pakistan. Phone: + 92 91 9221346	1016-4383, 2224-5383	National	Genetic Study of Some Reproductive Traits of Jersey Cattle Under Subtropical Conditions
02	Hafeez, A., S.M. Suhail, F.R. Durrani, D. Jan, <b>I. Ahmad</b> and A. Rehman.	<b>Sarhad Journal of Agriculture.</b> The University of Agriculture, Peshawar, 25130, Pakistan. Phone: + 92 91 9221346	1016-4383	National	Effect of different types of locally available litter materials on the performance of broiler chicks
03	Altaf-ur-Rahman, S. Ahmed, D. Khan, M. Hussain, <b>I. Ahmad</b> , Z. Shah, S.M. Sohail, Ikram-ul-Haq, A. Hafeez and Zia-ur-Rehman	<b>Sarhad Journal of Agriculture.</b> The University of Agriculture, Peshawar, 25130, Pakistan. Phone: + 92 91 9221346	1016-4383	National	Nutritional importance of exogenous enzymes in broiler ration at finisher phase
04	Muhammad Tufail, Muhammad Sajjad, Muhammad Zulfiqar, Syed Muhammad Suhail and <b>Ijaz Ahmad</b>	<b>Sarhad Journal of Agriculture.</b> The University of Agriculture, Peshawar, 25130, Pakistan. Phone: + 92 91	1016-4383	National	Economic of backyard poultry in Tehsil Matta, District Swat

Curriculum Vitae

		9221346			
05	Khalid Khan, Syed Muhammad Suhail, Ijaz Ahmad, Iftikhar Ahmad, Asim Ijaz, Ahmad Abdullah, Sadam Hussain, Shahid Khan, Naseer Ahmad	<b>International Journal of Biosciences</b>	2222-5234	International	Growth traits and genetic potential of local rabbits
06					
07	Saeed Ahmed, Ijaz Ahmad, Shakoor Ahmad, Zahir Shah, Muqadar Shah, Farhan Anwar Khan, <b>Ijaz Ahmad</b>	<b>Kafkas Univ, Veteriner Fakultesi Dergisi, Kafkas Univ, Veteriner Fakultesi Dergisi, Kars, Turkey, 36040</b>	1300-6045, 1309-2251	International	Analysis of Pilus Biogenesis Genes in Bacteria Expressing Type IV Pili
08	Muhammad Mushtaq, Umer Sadique, Naila Chand, Iftikhar Ahmed, Said Sajjad Ali Shah, <b>Ijaz Ahmad</b> , Imran Ullah and Muqadar Shah	<b>Meat Sciences and Veterinary Public Health</b> The University of Agriculture, Peshawar, 25130, Pakistan. Phone: + 92 91 9221346	2513-9282	National	Biochemical Effect of Water Based Infusion of Withania somnifera in Broiler Production
09	Inamullah Khan, Muhammad Subhan Qureshi, Rajwali Khan, Syed Muhammad Sohail, <b>Ijaz Ahmad</b> , Muhammad Shoaib and Asim Ijaz	<b>Meat Sciences and Veterinary Public Health</b> The University of Agriculture, Peshawar, 25130, Pakistan. Phone: + 92 91 9221346	2513-9282	National	Evaluation of Brucellosis as a Public Health Hazard Under the Biorisk Management Perspective
10	Muhammad Ubaidullah Qureshi, Muhammad Subhan Qureshi, Rajwali Khan, Abdur Rahman, Syed Muhammad Sohail, Asim Ijaz, <b>Ijaz Ahmad</b> , Shakoor Ahmad, Mohammad Shoaib and Abdul basit	<b>Indian Journal of Animal Research</b> Agricultural Research Communication Centre, 1130 Sadar Bazar, Post Office Marg, Karnal, India, 132 001	0367-6722, 0976-0555	International	Relationship of blood metabolites with reproductive cyclicity in dairy cows
11	Samuel Gebremedhn, Dessie Salilew-Wondim, <b>Ijaz Ahmad</b> , Sudeep Sahadevan, Md Munir Hossain, Michael Hoelker, Franca Rings, Christiane Neuhoff, Ernst Tholen, Christian Looft, Karl Schellander, Dawit Tesfaye	<b>PLOS One</b> Public Library Science, 1160 Battery Street, Ste 100, San Francisco, USA, Ca, 94111	1932-6203	International	MicroRNA Expression Profile in Bovine Granulosa Cells of Preovulatory Dominant and Subordinate Follicles during the Late Follicular Phase of the Estrous Cycle
12	Dessie Salilew-Wondim, <b>Ijaz Ahmad</b> , Samuel Gebremedhn, Sudeep Sahadevan, MD Munir Hossain, Franca Rings, Michael Hoelker, Ernst Tholen, Christiane Neuhoff, Christian Looft, Karl Schellander, Dawit Tesfaye	<b>PLOS One</b> Public Library Science, 1160 Battery Street, Ste 100, San Francisco, USA, Ca, 94111	1932-6203	International	The Expression Pattern of microRNAs in Granulosa Cells of Subordinate and Dominant Follicles during the Early Luteal Phase of the Bovine Estrous Cycle
13	Muhammad Javed, Fazil-Raziq Durrani, Abdul Hafeez, Rifat Ullah Khan and	<b>ARPJ Journal of Agricultural and Biological Science</b>	1990-6145	International	Effect Of Aqueous Extract of Plant Mixture on Carcass Quality of Broiler Chicks

Curriculum Vitae

	<b>Ijaz Ahmad</b>	Asian Res Publ Network-Arpn, Off 9, Qadri Plz, New Mal, Kurri Rd, Opposite To Shazad Town, Islamabad, Pakistan, 45500			
14	Farhan Anwar Khan, Xi Chen, Muhammad Shoab, Muqader Shah, Faisal Ahmad, Hayatullah Khan, Faiz ur Rehman, Muhammad Saeed, <b>Ijaz Ahmad</b> , Irshad Ahmad and Aizhen Guo	<b>ACTA BIOCHIMICA POLONICA</b> Acta Biochimica Polonica, Pasteura 3, Warsaw, Poland, 02-093	0001-527X 1734-154X	International	Two dimensional gel electrophoresis (2-DE) for high-throughput proteome analyses of Mycoplasma bovis
15	Guo Hongfang, Rajwali Khan, Sayed Haidar Abbas Raza, Kaster Nurgulsim, Syed Muhammad Suhail, Abdur Rahman, <b>Ijaz Ahmed</b> , Asim Ijaz, Iftikhar Ahmad and Zan Linsen	<b>Animal Biotechnology</b> Taylor & Francis Inc, 530 Walnut Street, Ste 850, Philadelphia, Usa, Pa, 19106	1049-5398, 1532-2378	International	Transcriptional regulation of adipogenic marker genes for the improvement of intramuscular fat in Qinchuan beef cattle
16	Muamber Shah, Muhammad Subhan Qureshi, Rifat Ullah Khan, Muhammad Mobashar, Mubashar Ali Khalique, Irfan Khattak, Ambrina Tariq, <b>Ijaz Ahmad</b> and Shabana Naz	<b>Pakistan Journal of Zoology</b> Zoological Soc Pakistan, Univ Punjab, New Campus, C/O Dept Zoology, Lahore, Pakistan	0030-9923	National	Semen Quality of Bulls as Influenced by Breed, Body Condition Score and Ascorbic Acid under Heat Stress
17	Muhammad Faraz Khan, Umar Siddique, Asad Ali Shah, Ihsanullah Khan, Farhan Anwar, <b>Ijaz Ahmad</b> , Muhammad Tariq Zeb, Mohammad Farooque Hassan, and Tariq Ali	<b>Pakistan Veterinary Journal</b> Univ Agriculture, Fac Veterinary Science, Univ Agriculture, Fac Veterinary Science, Faisalabad, Pakistan, 00000	0253-8318 2074-7764	National	Seroprevalence of Bovine Leukemia Virus (BLV) in Cattle from the North west of Pakistan
18	Farhad Ali, <b>Ijaz Ahmad</b> , Muhammad Ijaz Ali, Muhammad Hasnain Riaz, Nadar Khan, Obaid Ullah, Faizul Hassan, Syed Muhammad Suhail, Rajwali Khan, Muhammad Tahir Khan, Irshad Ahmad & Muhammad Tariq Zeb	<b>Tropical Animal Health and Production</b> Springer, Van Godewijkstraat 30, Dordrecht, Netherlands, 3311 Gz	0049-4747 1573-7438	International	Mitochondrial phylogenetic and diversity analysis in Azi-Kheli buffalo
19	Md Saiful Bari, Md. Mizanur Rahman, Ylva Persson, Marjolein Derks, Md. Abu Sayeed, Delower Hossain, Shuvo Singha, Md. Ahasanul Hoque, Subramnian Sivaraman, Palika Fernando, <b>Ijaz Ahmad</b> , Abdul Samad & Gerrit Koop	<b>Veterinary Research Communications</b> Springer, Van Godewijkstraat 30, Dordrecht, Netherlands, 3311 Gz	0165-7380 1573-7446	International	Subclinical mastitis in dairy cows in south-Asian countries: a review of risk factors and etiology to prioritize control measures
20	Kaster Nurgulsim, Rajwali Khan, Sayad Haidar Abbas Raza, Amel Ayari-Akkari, Mouna Jeridi, <b>Ijaz Ahmad</b> , Uroosa Mumtaz Arain, Ayman Hassan Abd El-Aziz,	<b>Animal Biotechnology</b> Taylor & Francis Inc, 530 Walnut Street, Ste 850, Philadelphia, Usa, Pa, 19106	1049-5398, 1532-2378	International	Bioinformatics and genetic variants analysis of FGF10 gene promoter with their association at carcass quality and body measurement traits in Qinchuan beef cattle

## Curriculum Vitae

	Hamayun Khan & Linsen Zan				
21	Ayaz, Syed Muhammad Suhail, <b>Ijaz Ahmad</b> , Muhammad Tariq Zeb, Rajwali Khan, Asim Ijaz, Iftikhar Ahmad, Muhammad Hasnanin Riaz, Farhad Ali, Khalid Khan & Aitbar Khan	<b>Animal Biotechnology</b> Taylor & Francis Inc, 530 Walnut Street, Ste 850, Philadelphia, Usa, Pa, 19106	1049-5398, 1532-2378	International	Detection of A2A2 genotype of beta casein protein (CSN2) gene in local, exotic and cross bred cattle in Pakistan
22	Yu Hengwei, Sayed Haidar Abbas Raza, Sihua Wang, Rajwali Khan, Amel Ayari-Akkari, Dalia Abd El Moneim Ahmed, <b>Ijaz Ahmad</b> , Muhammad Shaoib, Ayman H. Abd El-Aziz, Siddiq Ur Rahman, Ali Raza Jahejo & Linsen Zan	<b>Animal Biotechnology</b> Taylor & Francis Inc, 530 Walnut Street, Ste 850, Philadelphia, Usa, Pa, 19106	1049-5398, 1532-2378	International	The growth curve determination and economic trait correlation for Qinchuan bull population
23	Aftab Ullah, Rajwali Khan, Syed Muhammad Suhail, <b>Ijaz Ahmad</b> , Farhan Anwar Khan, Muhammad Subhan Qureshi, Nazir Ahmad Khan, Amel Ayari-Akkari & Dalia Abd El Moneim Ahmed (2022):	<b>Animal Biotechnology, DOI:</b>	<b>10.1080/10495398.2022.2154676</b>	International	Bioinformatics analysis and the association of polymorphisms within the caprine <i>GDF9</i> gene promoter with economically useful traits in Damani goats
24	Muhammad Ayaz · Rajwali Khan · Sarzamin Khan · Syed Muhammad Suhail · Khalid Khan · <b>Ijaz Ahmad</b> · Abdul Wahab · Amel Ayari-Akkari, · Gehan Othman	<b>Tropical Animal Health and Production Springer, Van Godewijkstraat 30, Dordrecht, Netherlands, 3311 Gz</b>	<b><a href="https://doi.org/10.1007/s11250-023-03518-2">https://doi.org/10.1007/s11250-023-03518-2</a></b>	International	Effect of dietary inclusion of mealworm frass on growth, hematology, and serum biochemistry of sheep
25	Khalid Khan , Syed Muhammad Suhail , Rajwali Khan , <b>Ijaz Ahmad</b> , Farhan Anwar Khan , Muhammad Jawad Khan	<b>Tropical Animal Health and Production Springer, Van Godewijkstraat 30, Dordrecht, Netherlands, 3311 Gz</b>	<b>doi: 10.1007/s11250-023-03511-9</b>	International	Genetic polymorphism of B-casein gene and its association with milk production and composition in Azi-Kheli buffalo
26	Umaid Shifa · Rajwali Khan · Syed Muhammad Suhail · <b>Ijaz Ahmad</b> · Abdur Rahman · Amel Ayari Akkari · Habab M. Yassin	<b>Tropical Animal Health and Production Springer, Van Godewijkstraat 30, Dordrecht, Netherlands, 3311 Gz</b>	<b><a href="https://doi.org/10.1007/s11250-023-03631-2">https://doi.org/10.1007/s11250-023-03631-2</a></b>	International	The efficiency of boric acid as an alternate to NaCl for the preservation of cattle hides
27	Khan MM, Suhail SM, Majid HA, <b>Ahmad I</b> , Sadique U, Khan R, Ahmad I, Ijaz A, Khan K, Ali F, Khan MS, El-Mansi AA.	<b>Animal Biotechnology, DOI:</b>	<b>10.1080/10495398.2023.2290528</b>	International	Morphometric and molecular characterization of Surguli goat through CO1 gene in district Kohat
28	Nurgulsim Kaster, Rajwali Khan, <b>Ijaz Ahmad</b> , Kazhgaliyev Nurlybay Zhigerbayevich , Imbay Seisembay, Akhmetbekov Nurbolat , Shaikenova Kymbat Hamitovna,	<b>Animal Biotechnology, DOI:</b>	<b>Vol. 37, No. 5:929-943 May 2024</b> <b><a href="https://doi.org/10.571">https://doi.org/10.571</a></b>	International	RNA-Seq explores the functional role of the fibroblast growth factor 10 gene in bovine adipocytes differentiation

	Omarova Karlygash Mirambekovna, Makhanbetova Aizhan Bekbolatovna, Tlegen Garipovich Amangaliye , Ateikhan Bolatbe , Titanov Zhanat Yeginbaevich, Shakoor Ahmad, Zan Linsen1 , and Begenova Ainagul Baibolsynovna,		3/ab.23.01 85  pISSN 2765-0189 eISSN 2765-0235		
29	Lionel Kinkpe, Rajwali Khan, Syed Muhammad Suhail , <b>Ijaz Ahmad</b> , Farhan Anwar Khan, Amel Ayari-Akkari, Sazada Siddiqui	<b>Tropical Animal Health and Production Springer, Van Godewijckstraat 30, Dordrecht, Netherlands, 3311 Gz</b>	55(6):415.  doi: 10.1007/s11250-023-03834-7	International	Polymorphism and association study of lactoferrin (LF) gene with milk yield, milk composition, and somatic cell count in Beetal goats
30	Hayatullah Khan , Farhan Anwar Khan, Umer Sadique, <b>Ijaz Ahmad</b> , Muhammad Sa eed, Faisal Ahmad, Faiz Ur Rehman, Hanif Ur Rahman	<b>Small Ruminant Research</b>	<a href="https://doi.org/10.1016/j.smallrumres.2024.107271">https://doi.org/10.1016/j.smallrumres.2024.107271</a>	International	Development and validation of an indirect ELISA for the serodiagnosis of contagious caprine pleuropneumonia in goats
31	Inayat Ullah, Rajwali Khan , Syed Muhammad Suhail, <b>Ijaz Ahmad</b> , Farhan Anwar Khan , Muhammad Shoaib, Kamran Farid, Amel Ayari-Akkari, Ekhlas Ali Morfeine	<b>Tropical Animal Health and Production Springer, Van Godewijckstraat 30, Dordrecht, Netherlands, 3311 Gz</b>	doi: 10.1007/s11250-024-03991-3.	International	Association of polymorphism in the promotor area of the caprine BMPR1B gene with litter size and body measurement traits in Damani goats

## **8. Conference/Abstracts Publications**

- **Ijaz A**; Salilew-Wondim D; Sahadevan S, Gebremedhn S; Hoelker M; Rings F; Uddin J; Tholen E; Looft C; Tesfaye D; Schellander K. 2013. Investigation of miRNAs enrichment and degradation in bovine granulosa cells during follicular development using next generation sequencing (Abstract) DGfZ Jahretagung 2013, 4/5 September 2013. Georg- August Universität. Göttingen, Germany.
- Salilew-Wondim D, **Ahmad I**, Gebremedhn S, Sahadevan S, Hoelker M, Rings F, Uddin J, Tholen E, Looft C, Schellander K, Tesfaye D. Regulatory microRNA enrichment and degradation in granulosa cells during bovine follicular recruitment and dominance. (Abstract) *Reprod Fertil Dev.* 2013 Dec; 26(1):169-70. doi: 10.1071/RDv26n1Ab111.
- Gebremedhn S, **Ahmad I**, Salilew-Wondim D, Sahadevan S, Hoelker M, Rings F, Uddin J, Tholen E, Looft C, Schellander K, Tesfaye D. Expression profiling of non

coding microRNAs in bovine granulosa cells of preovulatory dominant follicle using deep (Abstract) *Reprod Fertil Dev.* 2013 Dec;26(1):170-1. doi: 10.1071/RDv26n1Ab113.

**9) MISCELLANEOUS SERVICES:**

- Performed duty during semester examinations.
- Performed duty during University admission test.
- Worked as coordinator in National Internship Program (NIP), FAH&VS.
- Served as Seminar In charge in the Department of Livestock Management, Breeding and Genetics.
- Worked as Director Finance AUTF, in the University of Agriculture Peshawar.
- Reviewer for Meat Sciences, Veterinary Public Health Journal, Sarhad Journal, Frontier in Genetics.
- Resource person in one week training program for master trainers in dairy farm management at the University of Agriculture Peshawar.
- Served as member for Admission Committee for DVM degree program.
- Attended training on Climate Change at Climate Change Centre of University of Agriculture, Peshawar.
- Served as examiner for Oral and written comprehensive examination of PhD students at the Faculty of Animal Husbandry & Veterinary Sciences.
- Member as a Director Finance AUTF, in the University of Agriculture Peshawar.
- Served as a member for board of studies in the Department of Livestock Management, Breeding and Genetics.
- Served as a member of syndicate, The University of Agriculture, Peshawar.
- Worked as an Associate Editor at Sarhad Journal, The University of Agriculture, Peshawar.
- Assistance in project titled 'Phenotypic and genetic characterization of sheep and Goat breeds including those found in KP for establishment of nucleus flocks of genetically and economically important breeds'. (Dr. Hafiz Mudasser Ashfaq Assistant Director (P & D), University of Veterinary & Animal Sciences, Lahore).
- Assistance in preparation of PC1 for the Establishment of Technology Development Centre, The University of Agriculture Peshawar.



- Member of the Technical and Financial Evaluation Committee for the Tender of Equipment, chemicals and glass wares under the Establishment of Technology Development Centre, The University of Agriculture Peshawar.
- Award letter for Access to Scientific Instrumentation under a Development Programme.
- Served as a focal person of QEC at the Department of Livestock Management, Breeding and Genetics.

## **10. References**

- Dean Prof. Dr. Abdur Rehamn, Department of Livestock Management, Breeding and Genetics, Faculty of AHVS, Agricultural University, KPK, Peshawar  
email: [abdur\\_rahman@aup.edu.pk](mailto:abdur_rahman@aup.edu.pk)                      Cell # +92333-9160205
- Chairman Professor Dr.Syed Muhammad Suhail, Chairman Professor Department of Livestock Management, Breeding and Genetics, Faculty of AHVS, Agricultural University, KPK, Peshawar.  
email: [smsuhail73@hotmail.com](mailto:smsuhail73@hotmail.com)                      Cell # +92336-5868711