

## 1. Dr. Ijaz Ahmad

Department of Livestock Management, Breeding and Genetics  
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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

**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**

### **Current courses with M.Sc (Hons) Phd students**

- Theory of Genetic selection
- Advanced Poultr Breeding
- Advanced Sheep and Goat Production 4 (3-2)

### **Research**

#### **Ongoing Research with M.Sc (Hons) student**

- Effects of Antioxidants on physical and Chemical Quality of Jersey \*Achai Bull Semen at Livestock Research & Development station Surezai Peshawar.
- Comparative effect of Sacharomyces Cerevisiae and antioxidant (selenium+vitamin e) on boosting the immunoglobulin g (IgG) level in colostrum of Holstien Friesian dairy cattle in advance stage of pregnancy.
- Effects of supplementing different levels of concentrates on milk composition and milk yield of Achai and Jersry sired calves from Achai dams at LR&DS Surezai.

#### **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

## **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**

- Mushtaq, M., U. Sadique, N. Chand, I. Ahmed, S.S.A. Shah, **I. Ahmad**, Imran-Ullah and M. Shah. 2016. Biochemical effect of water based infusion of *Withania somnifera* in broiler production. *Meat Sciences and Veterinary Public Health*, 1(1): 17-20.
- Inamullah Khan, Muhammad Subhan Qureshi, Rajwali Khan\*, Syed Muhammad Sohail, **Ijaz Ahmad** and Muhammad Shoaib. 2016. Sero-Prevalence and Risk Factors for Bovine brucellosis in Cattle and Human in District Swat, Pakistan. *Meat Science and Veterinary Public Health*. 1(1):1-12.
- Khan, I., M.S. Qureshi, R. Khan, S.M. Sohail, **I. Ahmad**, M. Shoaib and A. Ijaz. 2016. Evaluation of brucellosis as a public health hazard under the biorisk management perspective. *Meat Sciences and Veterinary Public Health*, 1(1): 11-16
- Samuel Gebremedhn, Dessie Salilew-Wondim, **Ijaz Ahmad**, et al. (2015) MicroRNA Expression Profile in Bovine Granulosa Cells of Preovulatory Dominant and Subordinate Follicles during the Late Follicular Phase of the Estrous Cycle. *Plos One* 19;10(5):e0125912. doi: 10.1371/journal.pone.0125912.
- Salilew-Wondim D\*, **Ahmad I\***, Gebremedhn S, Sahadevan S, Hossain MM, et al. (2014) The Expression Pattern of microRNAs in Granulosa Cells of Subordinate and Dominant Follicles during the Early Luteal Phase of the Bovine Estrous Cycle. *PLoS ONE* 9(9): e106795. doi:10.1371/journal.pone.0106795 (\* = contributed equally).
- M. Tufail, M. Sajjad, M. Zulfiqar, S.M. Sohail and I. Ahmad. 2012. Economic of backyard poultry in Tehsil Matta, District Swat,” *Sarhad Journal Agric*, vol.28 (3): 485-492.
- Suhail, S.M., **I.Ahmad**, A.Hafeez, S.Ahmad, D.Jan, S.Khan and A.Rehman. 2010. Genetic study of some reproductive traits of Jersey cattle under sub tropical conditions. *Sarhad J. Agric*. 26 (1): 87-91.
- Hafeez. A., S.M.Suhail, F.R.Durrani, D.Jan, **I.Ahmad** and A.Rehman. 2009. Effect of different types of locally available litter materials on the performance of broiler chicks. *Sarhad J. Agric*. 25 (4): 581-586.
- Javed M., F.R.Durrani, A. Hafeez, R.U. Khan and **I. Ahmad**. 2009. Effect of aqueous extract of plant mixtures on carcass quality of broiler chicks. *APRN J. of Agri. And Bio. sci*. vol.4. No.1: 37-40.

- Altaf ur-Rahman, S.Ahmad, D.Khan, M.Hussain, **I.Ahmad**, Z.Shah, S.M.Sohail, Ikram-ul-Haq, A.Hafeez and Zia-ur-Rehman. 2009. Nutritional importance of exogenous enzymes in broiler ration at finisher phase. Sarhad J. Agric. 25 (3): 475-478.

### **8. 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, Udin 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, Udin 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. References**

- Prof. Dr. M. Subhan Qureshi, Department of Livestock Management, Breeding and Genetics, Faculty of AHVS, Agricultural University, KPK, Peshawar email: [drmsqureshi@aup.edu.pk](mailto:drmsqureshi@aup.edu.pk) Cell # +92334-0057328
- Syed M.Sohail, Associate Professor Department of Livestock Management, Breeding and Genetics, Faculty of AHVS, Agricultural University, KPK, Peshawar email:smsuhail73@hotmail.com Cell # +92336-5868711
- Dr. Dessie Salilew Wondim, Research Associate, Institute of Animal Breeding and Genetics, University of Bonn Germany

## Curriculum Vitae

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