

# Curriculum Vitae



## Dr. Muhammad Asim

### PERSONAL INFORMATION

Father's name	Shabbir Ahmad
Date of birth	10-01-1990
Pass Port #	FF1858172
CNIC #	34502-7279817-5
Domicile	Narowal (Punjab)
Nationality	Pakistani
Marital status	Single
Religion	Islam
Address (permanent)	Village & P.O Ikhlaspur, 51830, Tehsil Shakargarh, District Narowal, Punjab
Mailing Address	Institute of Animal & Dairy Sciences, Faculty of Animal Husbandry, University of Agriculture, 38040, Jail Road Faisalabad, Pakistan
Contact #	+92-347-7510753, +92-305-6032559
Email	<a href="mailto:muhammadasim2766@gmail.com">muhammadasim2766@gmail.com</a> <a href="mailto:2009ag2766@uaf.edu.pk">2009ag2766@uaf.edu.pk</a>

### ACADEMIC PROFILE

Degree	University/ Board	Marks/CGPA	Division	Session
PhD (Animal Breeding and Genetics)	University of Agriculture, Faisalabad, Pakistan	----	----	2016-2022
M.Sc. (Hons.) Animal Breeding and Genetics	University of Agriculture, Faisalabad, Pakistan	3.55/4.00	1 <sup>st</sup>	2013-2015
B.Sc. (Hons.) Animal Sciences	University of Agriculture, Faisalabad, Pakistan	3.38/4.00	1 <sup>st</sup>	2009-2013
F.Sc. (Pre-Medical)	Board of Intermediate and Secondary Education, Gujaranawala (Punjab) Pakistan	771/1100	1 <sup>st</sup>	2006-2009
Matriculation (Science)	Board of Intermediate and Secondary Education, Gujaranawala (Punjab) Pakistan	780/1050	1 <sup>st</sup>	2004-2006

## EXPERIENCE

### Visiting Faculty/Visiting Lecturer

August 31, 2022 –Continue

- ❖ Institute of Animal and Dairy Sciences, Faculty of Animal Husbandry, University of Agriculture Faisalabad

### Teaching Assistant

September 26, 2019 –January 13, 2020

- ❖ Institute of Animal and Dairy Sciences, Faculty of Animal Husbandry, University of Agriculture Faisalabad

### Teaching Assistant

August 21, 2018 – January 15, 2019

- ❖ Institute of Animal and Dairy Sciences, Faculty of Animal Husbandry, University of Agriculture Faisalabad

### Teaching Assistant

January 16, 2018 – May 17, 2018

- ❖ Institute of Animal and Dairy Sciences, Faculty of Animal Husbandry, University of Agriculture Faisalabad

### Research Associate

March 17, 2016 – March 16, 2017

- ❖ PAK-USAID Funded Project “Collaborative Research for Genetic Conservation and Improvement of Pakistani Goats” PMAS Arid Agriculture University, Rawalpindi, Punjab

### Punjab Youth Internship Program 2013-14

March, 01- August 31, 2014

- ❖ District Cooperative Officer (DCO) Office, Faisalabad, Punjab

### Research Internee

April 01 - May 10, 2013

- ❖ Al-Rasheed Protein farm (Broiler Control House), Sahiwal, Punjab

### Research Internee

March 21-31, 2013

- ❖ Livestock Production and Research Institute Bahadurnagar, Okara, Punjab

### Research Internee

March 11-20, 2013

- ❖ Multan Feeds, Multan, Punjab

### Research Internee

March 01-10, 2013

- ❖ Livestock Research Institute Jahangirabad, Kheniwal, Punjab

## PUBLICATIONS

- ❖ **Asim, M.**, M.S. Rehman and F. Hassan. 2022. Comparative genomic characterization and screening of regulatory regions of casein gene family in *Bos taurus* and *Bubalus bubalis*. *Journal of Global Innovations in Agricultural Sciences*. 10:147-158. <https://doi.org/10.22194/JGIAS/10.995>
- ❖ **Muhammad Asim**, Muhammad Saif-ur Rehman, Faiz-ul Hassan & Faisal Saeed Awan (2023) Genetic variants of CSN1S1, CSN2, CSN3, and BLG genes and their association with dairy production traits in Sahiwal cattle and Nili-Ravi buffaloes, *Animal Biotechnology*, 34:7, 2951-2962, DOI: 10.1080/10495398.2022.2126365
- ❖ MUHAMMAD SHOAIB, SHAUKAT ALI BHATTI, HASSAN IQBAL, SHAHZAD ASHRAF, NAJAM US SAHAR, MUHAMMAD MAHBOOB ALI HAMID, **MUHAMMAD ASIM**, MUBSHER HUSSAIN. 2022. Production efficiency, nutrient digestibility and meat quality of broilers reared on different fat sources and emulsifiers. *Turkish journal of veterinary and animal sciences*. Vol. 46: No. 2, Article 11. DOI: 10.3906/VET-2110-15
- ❖ H Waheed, M Moaeen-ud-Din, G Bilal, J Reecy, M Khan, M Saif-ur-Rehman, **M Asim**, 308

Meat production potential of Beetal goat under farm and field conditions of Punjab, Pakistan., *Journal of Animal Science*, Volume 96, Issue suppl\_3, December 2018, Page 117, <https://doi.org/10.1093/jas/sky404.257>

- ❖ **Muhammad Asim**, Muhammad Saif-ur Rehman, Faiz-ul-Hassan, Safdar Imran and Wasim Yousaf. The role of mammalian target of rapamycin (mTOR) in Aging. 3<sup>rd</sup> International Conference on Applied Zoology-2020. O-130/ICAZ-2020
- ❖ **Muhammad Asim**, Muhammad Sajjad Khan, Muhammad Saif-ur-Rehman and Faiz-ul-Hassan. Cryopreservation and quality assessment of semen in Kajli, Lohi and Thalli sheep. 3<sup>rd</sup> International Conference on Applied Zoology-2020. O-131/ICAZ-2020
- ❖ **Muhammad Asim**, Muhammad Sajjad Khan, Muhammad Saif-ur-Rehman and Faiz-ul-Hassan. Conception rates using single and double dose of cryopreserved semen in Kajli and Lohi sheep. 3<sup>rd</sup> International Conference on Applied Zoology-2020. P132/ICAZ-2020
- ❖ W Yousaf, MS Khan, MS Rehman, S Imran, **M Asim** and S Shahid. 2019. Genetic resistance in layer via Toll-Like receptors to improve the productivity. 3<sup>rd</sup> WPSA International Layer Quality Conference at University of Agriculture Faisalabad. LQC-048
- ❖ M Shoaib, N U Sahar, **M Asim**, U Nazir, S A Bhatti. 2019. Particle size reduction by hammer mill and roller mill. 3<sup>rd</sup> WPSA International Layer Quality Conference at University of Agriculture Faisalabad. LQC-012

## PROFESSIONAL SKILLS

- ❖ Molecular Genetics Techniques like DNA Extraction, PCR, Gel documentation system and use of different Molecular Markers is Animal Selection, Screening and disease diagnose
- ❖ Animal identification and data recording systems under field conditions
- ❖ Characterization of indigenous livestock breeds
- ❖ Economic valuation of market as well as non-market traits
- ❖ Conservation and improved utilization of FAnGR
- ❖ Selection strategies to improve profitability of livestock enterprises
- ❖ Organization of Livestock shows and farmer training at community level
- ❖ Communication abilities with livestock farmers with fluency in Punjabi and Urdu
- ❖ Artificial Insemination in large and small ruminants
- ❖ Expertise in poultry, livestock and dairy animal breeding
- ❖ Animal nutrition and feed formulation
- ❖ Proficient in Windows7, Windows8 and Windows10
- ❖ Command in MS Office and statistical software's applied in Animal Breeding and Genetics
- ❖ Professional approach to my career and function as a team member, showing consideration, tolerance, cooperation, reliability and the ability to accept criticism

## ACHIEVEMENTS

- ❖ Award of Scholarship for PhD Studies Under the Project “Indigenous 5000 PhD Fellowship Phase II, Batch-V” from Higher Education Commission (HEC) Islamabad, Pakistan
- ❖ “PhD Fellowship” Merit Scholarship, University of Agriculture Faisalabad
- ❖ Award of 2<sup>nd</sup> Position in Egg Art competition on “World Egg Day” October 09, 2020, at University of Agriculture, Faisalabad
- ❖ Prime Minister Youth initiative (100% merit) Laptop. (Prime Minister) Pakistan 2016
- ❖ AH Alumni Scholarship in M.Sc. (Hons.) 2015
- ❖ CGPA Based Merit Scholarship in M.Sc. (Hons.) 2013-2015
- ❖ Punjab Youth Internship Program 2013-14
- ❖ 2<sup>nd</sup> Position in B.Sc. (Hons.) Animal Sciences, batch 2009-2013, University of Agriculture Faisalabad
- ❖ CGPA Based Merit Scholarship in B.Sc. (Hons.) 2011-2012
- ❖ Shahbaz Sharif Youth initiative (100% merit) Laptop. (Chief minister) Punjab 2012

## PARTICIPATIONS AND TRAININGS

- ❖ Participation in One Day International Seminar on “EQUINE HUSBANDRY – BREEDING GMP’s” January 17, 2022, at University of Agriculture, Faisalabad
- ❖ Participation in Five Days Hands-on Scientific Training on “Animal Performance recording, Data Collection and analysis for Genetic Improvement” July 18-22, 2022, at University of Agriculture, Faisalabad
- ❖ Participation in “3<sup>rd</sup> International Conference on Applied Zoology-2020” December 7-8, 2020, Organized by The Applied Zoological Society of Pakistan, Quaid-i-Azam University Islamabad and Government College University Faisalabad
- ❖ Participation in Hands on training workshop on “Next Generation Sequencing (NGS) Data Analysis” November 25, 2020, at Virtual University of Pakistan, Lahore
- ❖ Participation in One Day Training on “Feeding Management of Dairy Herd” October 21, 2020, at University of Agriculture, Faisalabad
- ❖ Participation in online international symposium on “Mental Health and Stress Management” October 15, 2020, organized by Virtual University of Pakistan
- ❖ Participation in “World Egg Day” October 09, 2020, at University of Agriculture, Faisalabad
- ❖ Participation in “1<sup>st</sup> Pakistan Dairy Expo” September 23-24, 2020, at Royal Palm, Lahore-Pakistan
- ❖ Participation in “International Seminar/Interactive Session on Opportunities and Challenges in Milk and Meat Sector” September 01, 2020, at University of Agriculture, Faisalabad
- ❖ Participation in “2<sup>nd</sup> International Workshop on Scholarly Writing and Publishing” December 09-13, 2019, at University of Agriculture, Faisalabad
- ❖ Participation in “3<sup>rd</sup> WPSA Layer Quality Conference” October 23-24, 2019, at University of Agriculture, Faisalabad
- ❖ Successfully completed “1<sup>st</sup> National Hands-on Training Workshop on Primer Designing”

September 28, 2019, Organized by “Molecular Care” at University of Agriculture, Faisalabad.

- ❖ Participation in Dialogue Session on “Food Trends, Challenges and Sustainable Strategies under Changing Climate” July 01, 2019 at University of Agriculture, Faisalabad
- ❖ Participation in “National Camel Conference – 2019 Health, Reproduction, Production and Products” June 25, 2019 at University of Agriculture, Faisalabad
- ❖ Successfully completed “1<sup>st</sup> National 2-Days Hands-on Training Workshop on DNA Barcoding” April 13-14, 2019, Organized by “Molecular Care” at University of Agriculture, Faisalabad
- ❖ Participation in “Buffalo Competition (Milk/Beauty) and Dairy Expo 2019” April 5-6-7, 2019 at University of Agriculture, Faisalabad (Member of organizer committee)
- ❖ Participation in “International Buffalo Congress (IBC) 2019 & National Livestock Show” February 18-20, 2019
- ❖ Participation in one day workshop on “Communicating Science to Society” May 10, 2018 at University of Agriculture, Faisalabad
- ❖ Participation in awareness seminar on “HUM TAX KYUN DEIN” (Why We Pay Tax) April 10, 2018 at University of Agriculture, Faisalabad
- ❖ Participation in one day workshop on “SCIENTIFIC WRITING” April 22, 2017 at University of Agriculture, Faisalabad
- ❖ Participation in International “Training Workshop on Genomic Selection” March 08-09, 2017 at PMAS Arid Agriculture University Rawalpindi
- ❖ Participation in “International Workshop on Goat Breeding & Marketing in Genomic Era” March 06-07, 2017 at PMAS Arid Agriculture University Rawalpindi
- ❖ Participation in Capacity Building Workshop “BIOSAFETY MEASURES IN AGRICULTURE” February 20-21, 2017 at University of Agriculture Faisalabad
- ❖ Participation in the Goat Milk competition at UAF Pakistan, 2016 (Member of organizer committee)
- ❖ Participation in the Goat Milk competition at UAF Pakistan, 2015 (Member of organizer committee)
- ❖ Farmer training workshop on “Semen Preservation and A.I in Indigenous Sheep, 2015 at SPU Qadarabad, (Organized by University of Agriculture Faisalabad) (Trainer)
- ❖ Participation in the “International Poultry Expo-2015” 10-11-12, September 2015
- ❖ Participated in A.I technicians training workshop on “Artificial Insemination using frozen semen in goats, Al-Haiwan Sires, Sahiwal, December 21, 2014 (Trainer)
- ❖ Participation in the Goat show of Nuqri Strain of Beetal at Basti Gujjar, Rajanpur, 2014
- ❖ Participation in Training Workshop on “Synchronization and Artificial Insemination in Goats” October 23-24, 2013 at University of Agriculture, Faisalabad (Trainer)
- ❖ Participation in the “International Poultry Expo-2013” 26-27-28, September 2013
- ❖ Participation in the Goat show of Nuqri Strain of Beetal at Basti Aalahabad, Rajanpur, 2013
- ❖ Participation in the National Goat Show at UAF Pakistan, 2012
- ❖ Participation in the National Goat Show at UAF Pakistan, 2011

## REFERENCES

Name: **Dr. Muhammad Saif-ur-Rehman**

Designation: Associate Professor, Institute of Animal and Dairy Sciences, University of Agriculture Faisalabad, Punjab, Pakistan

Email: [shsaifurrehman@yahoo.com](mailto:shsaifurrehman@yahoo.com)

Name: **Prof. Dr. M. Qamar Bilal**

Designation: Professor/Dean, Faculty of Animal Husbandry, University of Agriculture Faisalabad, Punjab, Pakistan

Email: [deanfah@uaf.edu.pk](mailto:deanfah@uaf.edu.pk)

Name: **Dr. Faisal Ramzan**

Designation: Assistant Professor, Institute of Animal and Dairy Sciences, University of Agriculture Faisalabad, Punjab, Pakistan

Email: [drfaisal.ramzan@uaf.edu.pk](mailto:drfaisal.ramzan@uaf.edu.pk)

---