

Curriculum Vitae



Personal Information

Date of Birth: 13/10/1995

Contact: +92-311-8527957

Email: muhammad.mushahid@uaf.edu.pk

Address: University of Agriculture Faisalabad,
Constituent College, Toba Tek Singh, Pakistan

M. Mushahid (Lecturer, Animal Breeding and Genetics)

M.Sc. (Hons.) Animal Breeding and Genetics (UAF, Pakistan)

DVM (Doctor of Veterinary Medicine) (PMAS UAAR, Pakistan)

ACADEMIC QUALIFICATION(s)

DEGREE/Certificate	Institute	Passing Year	CGPA
Ph.D. Animal Breeding and Genetics	University of Agriculture Faisalabad, Pakistan	2020-till	3.85
M.Sc. (Hons.) Animal Breeding and Genetics	University of Agriculture Faisalabad, Pakistan	2020	3.83
Doctor of Veterinary Medicine (DVM)	PMAS-UAAR, Pakistan	2018	3.28/4.00
Intermediate	Fauji Foundation Inter College Khushab, Pakistan	2013	902/1100
Matric	MPHS Mitha Tiwana, Khushab, Pakistan	2010	957/1050

INTERESTS

- Genomic selection of farm animals for production traits
- Bioinformatics analysis of important gene families in farm animals
- Metagenomics of farm animals
- Phenotypic data recording/Statistical modelling and analysis

PERSONAL SKILLS/ABILITIES

- Farm animal management and handling skills
- Data Science (R software, ASREML, Plink, Wombat, GCTA, GAPIT etc.)
- Bioinformatics tools (Bioedit, MEGA, CDD analysis, Motifs analysis, Multiple align show, Tbtools, ClustalW)
- Statistical data analysis

ACADEMIC PROJECTS

- Molecular characterization of HSP70 gene in Nili-Ravi buffaloes of Pakistan (M.Sc. Hons. theses)
- Molecular characterization of Nili-Ravi buffalo for Milk production traits under project Establishment of National Center for Livestock Breeding Genetics and Genomics (NCLBG&G) (On going Ph.D. work)
- Bioinformatics analysis of important gene families of Buffalo (NCLBG&G).

EXPERIENCE

- Lecturer, Animal Breeding and Genetics, UAF CC Toba Tek Singh, Pakistan**
 - 25-07-2024 to present
- Teaching assistantship, University of Agriculture, Faisalabad**
 - 14-09-2021 to 24-01-2022 (4 month 10 days)
 - 11-02-2022 to 13-06-2022 (4 month 2 days)
 - 13-09-2022 to 12-01-2023 (4 month)

PUBLICATIONS

- Tariq, M., Abbas, M. H., Hussain, T., Ashraf, M., Abbas, G., Khalid, F., & **Mushahid, M.** (2024). Biotechnological perspectives on oxytocin use in dairy management: effects on productive and reproductive health of dairy animals in peri-urban, Faisalabad, Punjab. Pakistan Journal of Science, 76(4)
- Hassan, F. U., Deng, T., Rehman, M. S. U., Rehman, Z. U., Sarfraz, S., **Mushahid, M.**, & Rehman, S. U. (2023). Genome-wide identification and evolutionary analysis of the FGF gene family in buffalo. Journal of Biomolecular Structure and Dynamics, 1-12.
- Rehman, M. S. U., Hassan, F. U., Rehman, Z. U., Hussain, H. N., Shahid, M. A., **Mushahid, M.**, & Shokrollahi, B. (2022). Comparative Genomic Characterization of Relaxin Peptide Family in Cattle and Buffalo. BioMed Research International, 2022.

TRAINING AND CERTIFICATES

- Two and half month internship in Commercial corporate sector Dairy farm Nishat Dairies (Health department, Breeding department, Milk parlor, calf Section, Dairy section, Heifers management and laboratory work).
- One month internship in Islamabad Feeds Rawat, Islamabad (Raw material unloading and quality check, Feed storage, Feed formulation, Feed formation process and laboratory analysis)
- One month internship in Civil Veterinary Hospital Mitha Tiwana, Khushab.
- Five day training workshop “Phenotyping Characterization of Livestock Breeds of Pakistan” Under project Establishment of National Center for Livestock Breeding Genetics and Genomics (NCLBG&G).
- Five day training workshop “Genetic Prediction in Livestock Breeding” Under project Establishment of National Center for Livestock Breeding Genetics and Genomics (NCLBG&G).
- Five day training workshop “Animal Performance Recording, Data Collection and Analysis for genetic Improvement” under project Establishment of National Center for Livestock Breeding Genetics and Genomics (NCLBG&G).
- Abstract submission and oral presentation in applied zoological society (3rd International Conference on applied zoology 2020).
- Attended one day International Consultative workshop on goat breeding in Pakistan in PMAS-UAAR.
- Attended one day webinar on Maximizing genetic potential with embryo transfer and IVF technology training webinar.
- Participated in two days training workshop on “Techniques and management of Artificial Insemination in poultry”.
- Attended one day seminar on “Opportunity and challenges in milk and meat sector”.
- Multiple Egg day participation certificates.

REFERENCES

- Dr. M. Saif-ur-Rehman (Professor, Animal Breeding and Genetics, UAF)
shsaifurrehman@yahoo.com (0333-6509241)
- Prof. Dr. Faiz-ul-Hassan (Professor, Dean Faculty of Animal Production and Technology, CUVAS Cholistan)
faizabg@gmail.com (0312-3818484)