



Ashir Ashfaq

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ABOUT MYSELF

Dedicated and experienced Veterinary doctor with over three years of hands-on expertise in Animal Breeding, Genetics, particularly in dairy farm operations. Holding a Master's degree in Animal Breeding and Genetics. Skilled in genetic analysis, dairy farm management, and molecular biology with a proven track record in improving livestock productivity. Passionate about improving animal health through innovative research and practical applications, I aim to leverage my academic and professional background to enhance both clinical and research-based approaches to veterinary care. Skilled in diagnostics, animal husbandry, and genetics with a strong commitment to advancing veterinary sciences.

WORK EXPERIENCE

03/09/2024 – Current 2025 Baku, Azerbaijan

Khazar University – International Ph.D. Student

Dissertation Topic: Gene Expression Profile and In-Vitro Chondrogenesis of Mesenchymal Stem Cells Using Polymeric Scaffolds

03/01/2021 – August 2024 Jhang, Pakistan

FARMING OPERATIONS MANAGER MR. ABDUL HASEEB

- Managed day-to-day operations of a Dairy farm, ensuring high standards in animal care and productivity.
- Implemented selective breeding programs based on genetic potential, leading to a 15% increase in milk yield.
- Supervised a team of 10 and conducted regular training on animal welfare, health, and productivity optimization.
- Monitored health records, streamlined feeding schedules, and managed reproduction cycles to improve herd quality.
- Implementation of feeding protocol.

05/09/2019 – 23/12/2020 Jhang, Pakistan

FARM MANAGER M EHTASHAN RAZA

- Increased farm efficiency by overseeing maintenance and repair of equipment, ensuring minimal downtime.
- Marketed farm products.
- Conducted timely harvests to ensure optimal product freshness while minimizing waste due to spoilage or overripe conditions.
- Worked on cultivation plans for crop production operations.
- Design Breeding protocols and Artificial Insemination.
- Animal Selection genetically.

VETERINARY INTERN

03/10/2018 – 01/09/2019

Paragon Dairy Farm

- Assisted Senior Veterinarians in diagnosing and treating livestock health issues, gaining hands-on experience in animal care.
- Conducted vaccinations, physical exams, and provided follow-up care, ensuring a 98% recovery rate among treated animals.
- Participated in a special project focused on improving the reproductive health of dairy cattle, which resulted in a 20% increase in successful breeding outcomes.
- Got experience in Artificial Insemination.

● EDUCATION AND TRAINING

21/09/2018 – 11/11/2020

MASTER'S IN ANIMAL BREEDING AND GENETICS (LIFE SCIENCES DEPART) University of Agriculture **Faisalabad, Pakistan**

Website <https://web.uaf.edu.pk/> | Level in EQF EQF level

18/08/2013 – 05/05/2018

BACHELOR'S IN DOCTOR OF VETERINARY MEDICINE Bahauddin Zakariya University **Multan, Pakistan**

Website <https://bzu.edu.pk/> | Level in EQF EQF level 6

● ORGANISATIONAL SKILLS

Technical Skills

- Genomic Selection, CRISPR-Cas9, QTL Mapping, Quantitative Genetics, DNA Sequencing, Molecular Biology.
- **Data Analysis:** Statistical Modeling, Python (beginner), R, SPSS
- **Farm Management:** Livestock Health Monitoring, Reproductive Management, Team Leadership, Training & Development

Research skills

- Research Design, Data Collection, Literature Review, Laboratory Techniques.

● PROJECTS

05/01/2020 – 07/06/2020

Inbreeding trends and their effects in Registered Cattles and Buffaloes of Pakistan: Productive and Reproductive Performance traits

- Assisting with data and sample collection by using analytics software and attention to detail when documenting sample transformations.
- Documentation for type traits in Sahiwal breeding bulls in Pakistan.
- Evaluate genetic data by performing appropriate statistical calculations and analysis.
- Developed theoretical analysis of methodologies that have the greatest potential for rapid genetic change.
- Inbreeding depression in productive and reproductive traits of Sahiwal cattle.

● HONOURS AND AWARDS

12-09-2018

Best Internship Project – University of Agriculture

- Recognized for contributing to the reproductive health project that improved breeding success rates in dairy cattle by 20%.

11-12-2020

Academic Excellence Award – University of Agriculture

- Awarded for graduating in the top 5% of the Doctor of Veterinary Medicine program.

● PROFESSIONAL DEVELOPMENT

2024 – CURRENT

Python for Data Science - Online Training

- Learning programming and data analysis in Python to enhance research and data analysis skills in genetics.

05-14-2023

Workshop on Genomic Selection – University of Agriculture

- Attended a two-day workshop on applying genomic selection in livestock, enhancing skills in SNP analysis and breeding value estimation.

● **CONFERENCES & SEMINARS**

10/2024
Seminar on Optimizing Gene Editing Experimental Design - The Scientist Free Webinar series, Ontario

- Designing and running successful CRISPR experiments.
- Enhancing efficiency.
- Overcoming challenges posed by DNA repair complexity.
- Unlocking the full potential of gene editing technologies.

Annual Conference on Animal Genetics – European Federation of Animal Science (EAAP)

- Participated in discussions on genomic selection applications in livestock and the ethical considerations in gene editing.

March 2021
Seminar on Precision Breeding Techniques – International Society for Animal Genetics (ISAG)

- Gained insights into CRISPR applications in animal breeding and the latest advancements in dairy cattle productivity enhancement.

Sept 2019
Workshop on Genomic Selection – University of Agriculture

- Attended a two-day workshop on applying genomic selection in livestock, enhancing skills in SNP analysis and breeding value estimation.

● **LANGUAGE SKILLS**

Mother tongue(s): **URDU**
Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C2	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

● **RECOMMENDATIONS**

Dr. Ghulam Murtaza Co-Supervisor

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Dr. Muhammad Mushahid

Associate Professor - University of Agriculture - Pakistan
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