Dr Muhammad Kamran

Q Fever Vaccinated: Register Number 220391
Member of Australasia-Pacific Extension Network Ltd: Membership Number 461639
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Professional Profile

Interdisciplinary scientist with a PhD in Animal Sciences and professional experience spanning applied agricultural research, field trials, technology evaluation, and data-driven decision systems. Experienced in translating complex biological and farming system data into practical insights supporting technology adoption, system optimization, and producer-focused solutions. Combines strong foundations in experimental science, agricultural systems, analytics, and AgTech product development, with demonstrated ability to work across research, commercial, and industry environments.

Core Capabilities

• Agricultural technology evaluation & adoption
• Field trials & experimental design
• Farming systems data analysis
• Producer & stakeholder engagement
• Technology translation & validation
• Scientific reporting & communication
• Cross-disciplinary collaboration
• Data analytics & decision support

Professional Experience

Data & Business Analyst

Neogen Australasia / Geneseek Australia
June 2023 – Present

• Analyze complex biological and commercial datasets supporting decision-making across animal genetics and agricultural systems
• Develop analytical frameworks translating technical outputs into commercially meaningful insights
• Work with cross-functional teams linking science, technology, and applied industry outcomes
• Design dashboards and structured analytical tools for stakeholder interpretation

Founder / AgTech & Data Systems Lead

Data Experts 360 Pty Ltd
2025 – Present

• Lead development of applied analytics and decision-support solutions
• Work on projects involving market intelligence, technology assessment, and data integration
• Translate technical analyses into stakeholder-friendly strategic outputs
• Coordinate distributed technical collaborations

AgTech Product Development & Systems Design

Triisum / Agri-focused Digital Platforms
Ongoing

• Contributed to design of AgTech-oriented digital platforms integrating **data, producer decision logic, and technology-enabled workflows**
• Developed concepts linking **real-world agricultural challenges with digital decision tools**
• Focused on usability, adoption logic, and producer-centric design principles

Senior Laboratory Aide / Research Support

The University of Queensland
During PhD

• Supported complex livestock field trials and experimental systems
• Maintained biological colonies and controlled research environments
• Coordinated data collection workflows across experiments
• Assisted with experimental logistics and system optimisation

Research & Field Trial Experience

PhD – Animal Sciences

The University of Queensland

Research Focus:
• Livestock parasitology & vector biology
• Experimental field systems
• Behavioural & biological data collection
• Multi-variable system analysis

Key Contributions:
• Designed and executed controlled livestock trials
• Analysed biological & environmental system interactions

• Generated applied insights relevant to livestock production systems
• Communicated findings through scientific reporting

Awards & Recognition

• MLA Innovation for the Red Meat Industry Award – 2021

• Runner-up Animal Production Research Open Category – 2021

https://qaafi.uq.edu.au/article/2021/02/winners-announced-6th-animal-science-poster-olympics-2021

• Young Science Ambassador Awards – 2021, 2022, 2023

• QAAFI Excellence Award – 2021

• Ranked Top 10 – 3MT UQ Finals – 2021

• Australian Society for Parasitology Travel Grant – 2019

• Shortlisted – Zanda McDonald Award 2026

Publications & Research Impact

• Citations: 147 • h-index: 6 • i10-index: 5

Google Scholar Profile:
https://scholar.google.com.au/citations?user=lBBycJgAAAAJ&hl=en

ORCID iD:
https://orcid.org/0000-0002-0909-8476

Education

• PhD in Animal Sciences – University of Queensland (2018 – 2023)

• MPhil in Veterinary Microbiology – University of Agriculture Faisalabad (2014 – 2017)

• Doctor of Veterinary Medicine – University of Agriculture Faisalabad (2009 – 2014)