

DR. FAISAL MASOUD (Ph.D.)

Personal Information

Institute of Microbiology, University of Agriculture Faisalabad, 38040, Faisalabad Pakistan.

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Research Interest

- Development and bioprocessing of veterinary vaccines
- Development and evaluation of rapid diagnostic kits
- Epidemiology of viral infection of animals diseases

Experience

Position	Department/Institution	From	To
Lecturer	Institute of Microbiology, UAF	01-07-2024	To date

Education

Ph.D. (Microbiology) (2017-2023)

Institute of Microbiology, University of Agriculture, Faisalabad-38040, Pakistan

Thesis Title: Development of Recombinant Newcastle disease virus containing heamagglutinin gene of indigenous low pathogenic avian influenza.

M.Phil. (Microbiology) (2013-2015)

Institute of Microbiology, University of Agriculture, Faisalabad-38040, Pakistan

Thesis Title: Seroepidemiology of goat pox disease in district Layyah, Punjab, Pakistan.

Doctor of Veterinary Medicine (DVM), Bachelor of Science (2008-2013)

Faculty of veterinary sciences, University of Agriculture, Faisalabad-38040, Pakistan

Technical Expertise

- Genome engineering of viruses by reverse genetics
- Viral vector vaccines development (Reverse vaccinology)
- Development of marker vaccines for disease tracking
- Production of chimeric viruses for development of homologous vaccines
- Running pre-clinical trials for poultry vaccines testing
- Project writing for submission to funding agencies

Supervision of Postgraduate students:

- No. of MPhil students under supervision (as supervisor) = 06

Administrative Experience:

- Tutor of the TGM-205, UAF
- Co-Advisor of DVM Batch (2024-2029)
- Co-Advisor of BS (Microbiology) Batch (2022-2026)
- Assistant Superintendent Jinnah-A Hall, Main campus UAF

Publications

- **Faisal Masoud**, Muhammad Shahid Mahmood, Rao Zahid Abbas, Hafiza Masooma Naseer Cheema, Azhar Rafique, Sultan Ali, Rizwan Aslam, Muhammad Kasib Khan. [Engineered Newcastle disease virus expressing the haemagglutinin protein of H9N2 confers protection against challenge infections in chickens](https://doi.org/10.1016/j.procbio.2023.04.014). Process Biochemistry 130 (2023) 281-290. <https://doi.org/10.1016/j.procbio.2023.04.014>.
- **Faisal Masoud**, Muhammad Shahid Mahmood, Sajjad-ur-Rahman and Rao Zahid Abbas. [An efficient approach for the recovery of LaSota strain of Newcastle disease virus from cloned cDNA by the simultaneous use of seamless PCR cloning technique and RNA-POL II promoter](http://dx.doi.org/10.29261/pakvetj/2022.059). Pakistan Veterinary Journal, 42(3): 346-351. <http://dx.doi.org/10.29261/pakvetj/2022.059>.
- **Faisal Masoud**, Muhammad Shahid Mahmood, Rao Zahid Abbas, Hafiza Masooma Naseer Cheema, Azhar Rafique, Sultan Ali, Rizwan Aslam, Muhammad Kasib Khan Aziz-Ur-Rahman and Azhar Aslam. [Newcastle disease virus–vectored poultry vaccines: A concise review](http://dx.doi.org/10.29261/pakvetj/2024.217). Pakistan Veterinary Journal, 44(3): 539-546. <http://dx.doi.org/10.29261/pakvetj/2024.217>.
- Muhammad Hammad, **Faisal Masoud**, Muhammad Luqman and Muhammad Shahid Mahmood. [Molecular techniques are better choice as compared to conventional methods for pathotypic characterization of Newcastle disease virus in poultry birds](#). Journal of global innovation in agriculture sciences 2022, 10(1):50-54.
- Usman Ishaque, **Faisal Masoud**, Iqra Ayub and Ahmad Zaman. [Worldwide Sustenance and evolution of Newcastle disease virus in poultry \(a review\) 2025](https://doi.org/10.71081/cvj/2025.042). Continental Veterinary Journal, DOI: 10.71081/cvj/2025.042.
- M. Zulqarnain Shakir, Farzana Rizvi, **Faisal Masoud**, Azhar Rafique⁴, M. Wasim Usmani, M. Noman Naseem and M. Usman. [Seroprevalence, Molecular Confirmation and Application of Bacteriophage as A Potential Prophylactic Therapy Against Fowl Typhoid Disease in Commercial Poultry Birds](http://dx.doi.org/10.29261/pakvetj/2024.302). Pak Vet J, 44(4): 1185-1192. <http://dx.doi.org/10.29261/pakvetj/2024.302>

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