

Dr. PRAJISHA C

M.V.Sc. (Masters in Veterinary Biochemistry)

8547992509

INDIA, KERALA

prajishachandroth@gmail.com

Education

2022-2025

Kerala Veterinary and Animal Sciences University

Masters in Veterinary Biochemistry

GPA: 8.6

Thesis: "Expression analysis of cfa-miR-429 and its target genes in canine mammary tumour"

2016-2022

Kerala Veterinary and Animal Sciences University

Bachelor of Veterinary Sciences and Animal Husbandry

GPA: 6.429

Languages

English

Malayalam (Native language)

Hindi

Tamil

Skills and Expertise

Molecular biology

Polymerase Chain Reaction and Quantitative Real Time Polymerase Chain Reaction

RNA extraction and Quality assessment

cDNA synthesis

Gel electrophoresis

Bioinformatics

Designing PCR primers

Micro RNA target prediction and In-silico analysis

Literature and sequence data mining & management of data

Statistical analysis of Data

Laboratory skills

Haematological analysis

Biochemical Assays

Research experience

2022-2025

Expression analysis of cfa-miR-429 and its target genes in canine mammary tumour (Master's thesis work)

Conducted a comprehensive study to investigate the role of cfa-miR-429 and its target genes in canine mammary tumour (CMT) tissues. The research involved collection and processing of 25 tumour tissues and healthy controls and confirmation of CMT by routine histopathologic examination followed by RNA extraction, cDNA synthesis, and qRT-PCR-based quantification of miRNA and gene expression. I also performed in-silico target prediction using bioinformatic tool, miRBase and TargetScan followed by pathway enrichment analysis through DAVID bioinformatic tool. The study revealed significant upregulation of cfa-miR-429 in tumour tissues, suggesting its potential role as a molecular biomarker in CMT.

Internship experiences

2021-2022

Veterinary Intern

The Veterinary Clinical Internship has provided a broad range of experiences in animal care and management. At Government Veterinary Polyclinic Chengannur and Government District Veterinary Centre Kannur, skills in small animal practice were developed through diverse clinical cases. Experience in farm animal practice was gained at Government Veterinary Polyclinic Manathavady and Government Veterinary Hospital Nenmara, focusing on managing and treating farm animals.

Further clinical skills were sharpened at Teaching Veterinary Clinical Complexes Mannuthy and Pookode, with significant learning from managing complex cases. Training at the Avian Disease Diagnostic Laboratory in Thiruvalla provided expertise in avian diseases and diagnostic procedures.

Practical experience in livestock management, including cattle, goats, pigs, and poultry, was acquired at Livestock Research Station Thiruvizhamkunnu, University Goat Farm Pookode, University Pig Farm Pookode, and Avian Research Station Thiruvizhamkunnu.

Reproductive health training included semen collection, storage, and distribution at Kerala Livestock Development Board Kulathupuzha and Mattupetty. Additional knowledge in animal health and diagnostics was

	gained through training at the Institute of Animal Health and Veterinary Biologicals in Palode and the State Laboratory for Livestock, Marine, and Agri Products in Marad. Insights into animal product processing were obtained at Dairy Plant and Meat Plant Mannuthy.
Article Published	
2025	C Prajisha, Sebastian Renjith, R Uma, PD Divya, Palekkodan Hamza, PT Dinesh, K Naheef, 2025. <i>In-silico</i> analysis of cfa-miR-429 target genes: Implications in canine mammary tumour. The Pharma Innovation Journal, 14(4): pp.79-82.
Workshops attended	
2023	Workshop on culture of responsibility organised by School of zoonoses, public health and pathobiology, Kerala veterinary and animal sciences university
2022	Exotic pet medicine and anaesthesia protocols organised by small animal veterinary association, Kerala
Professional affiliations	
2023 - present	Indian Veterinary Association, Mannuthy Chapter
2022- present	Kerala State Veterinary Council
2022- present	ROOF Alumni Association, College of Veterinary and Animal Sciences, Pookode
Co-curricular Achievements	
2016-2022	Active member of the National Service Scheme- took part in various activities like vaccination programs and Extension Camps.