

RESUME



Name and Designation : R.MURUGESWARI, Assistant Professor

Qualification : MVSc, (Animal Nutrition)

Professional Experience :

- Initiated private practice in self owned veterinary clinic in 1999 at pothiramangalam village, Tittagudi taluk, Cuddalore district, TamilNadu.
- Joined **National Dairy Development Board, Anand** and worked as **scientist 1** from 29th November, 2004 to 1st April, 2010.
- Joined **Tamil nadu Veterinary and Animal Sciences University** as **Assistant Professor** at Veterinary University Training and Research centre, Cuddalore on 5th April, 2010.
- Transferred to **Institute of Animal Nutrition, Kattupakkam, TANUVAS** and worked as **Assistant Professor** at from 14th January, 2011 to till now.

Academic Projects :

Sr.No.	Title	PI/Co.PI
1.	Effect of harvesting method of paddy straw on its quantity and quality	PI on Personal oriented Project by TANUVAS
2.	“Development of Learning materials on “The effect of TANUVAS GRAND supplement in augmenting milk production and preventing metabolic disorder in cattle” and testing its efficacy through ODL based participatory research in Lifelong Learning for Farmers (L3F) Programme”	Co-PI of “ Common wealth of Learning, Canada ”
3.	Enhancing utilization of nutrients in feed / fodder through TANUVAS - GRAND Supplement – A Pilot Project	Co-PI of “ State Fodder Development Scheme ”
4.	Setting up of fodder seed production unit	Co-PI of “ State Fodder Development Scheme ”

5.	"Optimizing Soil, Water and Nutrient use Efficiency in Integrated Cropping - Livestock Production System"	Co-PI of "IAEA/FAO and TANUVAS joint Project"
6.	Revitalising health of free milch cows through SMART mineral mixture	Co-PI of "Part II scheme, Tamilnadu State Government"

Research Experience :

- Capable of designing experiments, retrieving relevant literatures. Compiling data and deriving meaning full interpretation.
- Currently handling four research projects.
- Actively involved in exploring the beneficial effects of TANUVAS – GRAND supplement in alleviating clinical and sub clinical disorders.
- Conducted extensive field experiments involving more than 10000 cows from across the state at farmer's residence to validate *in vitro* finding to increase milk production through optimizing nutrient requirement of rumen microbes.
- Conducting filed experiment on the effect area specific mineral mixture (TANUVAS SMART) in free milch cows which are distributed by Tamil Nadu Govt in 24000 cows.
- Handling and calibrating of modern analytical instruments like LC-MS, GC-MS, HPLC, GC, spectrophotometer and NIR.
- Analysis of vitamins (A, D and E) in compound cattle feed, vitamin premix and food like milk and milk products.
- Analysis of methane and SF6 gas by using Gas Liquid Chromatography.
- Assessing the nutritive value of feeds through *in vitro* gas production technique.
- Handling RUSITEC (Rumen simulation technique) to study the rumen fermentation.
- Operating Kjeltex, soxtec, fibertec to analyse protein, fat and fibre.
- Measuring macro and micro minerals in atomic absorption spectrophotometer

Permanent Address with Pin code and Mobile No.

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