



PG DIPLOMA IN MOLECULAR BIOTECHNIQUES (PGDMBT)



*offered by the Faculty of Basic Sciences,
Tamil Nadu Veterinary and Animal Sciences University at the
Department of Animal Biotechnology, Madras Veterinary College, Chennai - 600 007*

Biotechnology is one of the most applied sciences catering to the needs of a wide variety of beneficiaries involved in academics, research and industry. Several Arts, Sciences and Engineering colleges in Tamil Nadu offer UG and PG courses in Biotechnology with thrust either on Life Sciences or Engineering aspects. Though the academic curriculum provides opportunity for learning the principles and applications of the techniques used in Biotechnology, hands-on experience is found inadequate and is the need of the hour. To bridge this gap, the PG Diploma course in Molecular Biotechniques has been introduced with the following aims:

- To provide hands-on skilled training on various molecular and biotechnological techniques to the life science/engineering graduates to make them well equipped and industry-ready ensuing a career in the Biotechnology industry.
- To equip students with the knowledge on translational research, regulation, entrepreneurship skills etc., to seamlessly take up careers in industry

Strengths of the Department of Animal Biotechnology at Madras Veterinary College which offers this programme

- Renowned faculty with commendable research experience
- Well equipped laboratories with state-of-the art facilities such as Ultra centrifuge, Genetic Analyzer, Real time PCR, Atomic Absorption Spectrophotometer, Atomic force microscopy, Particle analyzer, Flow cytometer, Gas Chromatography, Fluorescent microscope NABL accredited rabies laboratory etc.,
- A separate Embryo biotechnology laboratory at the TANUVAS campus at Madhavaram with facilities to perform and train in assisted reproduction technologies with relevance to humans
- Very nominal Government fee structure
- DST- FIST recognized Department

This course is designed with thrust on hands-on practical learning with 22 credits along with 13 theory credits. A small project work is also part of this course. The learning includes courses on Translational Research, Entrepreneurship, Biosafety, Techniques in Assisted Reproduction, Nanotechnology etc. along with conventional biotechnology courses.

Candidates with B.V.Sc/ B.V.Sc & A.H/ B.Tech / B.E/ B.S./ B.Pharm/ B.Sc degree in the disciplines of Biotechnology, Life Sciences, Biochemistry, Molecular Biology, Genetic Engineering, Microbiology, Genetics, Environmental biology or any other relevant disciplines are eligible to apply. The duration of this full time course is one year (Two semesters). The advertisement for admissions to this course will be given in the newspapers and TANUVAS website tentatively during September – November of every year along with other PG admissions. The details of the exact application dates, syllabus for entrance examination, number of seats, course fees, method of selection etc. can be obtained from the TANUVAS website (www.tanuv.ac.in) at the time of admission announcement.

For further details, please contact

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