



SPOT ADMISSION 2026-2027

M.Sc. Microbial Gene Technology

ABOUT THE UNIVERSITY & SCHOOL

Madurai Kamaraj University (MKU), established in 1965, is a prestigious statutory university recognized by the UGC and designated as a University with Potential for Excellence (UPE)]. The School of Biological Sciences (SBS) is a world-class hub for advanced learning, highly supported by national funding agencies including DST-FIST, UGC-SAP, DBT, and CSIR.

ABOUT THE PROGRAM

The Biological, Agricultural, Molecular Microbiology and Industry aligned postgraduate program completely bridges the gap between classic microbiology and modern genomics. Students receive intensive wet-lab individual hands-on training and independent research project environments.

M.Sc. Microbial Gene Technology (This is equivalent to M.Sc. Microbiology as per G.O(MsNo.29,dt:09.02.2021).)

KEY HIGHLIGHTS

- ❖ Core Research & Laboratory Training
- ❖ Gene Transformation
- ❖ Gene cloning
- ❖ Molecular Plant Microbe Interaction
- ❖ Genomics & Bioinformatics: Complete workflows covering DNA/RNA isolation from diverse sources, PCR amplification, Sanger/NGS sequencing analysis, and direct sequence annotations for submission to NCBI GenBank.
- ❖ Molecular Techniques: Recombinant protein production, column chromatography separation, and computer-aided molecular docking for drug discovery.

ALUMNIES FROM M.Sc. Microbial Gene Technology



Mr. Kameshwaran Senthil
PhD in Biological Sciences,
School of Biological Sciences,
University of Calgary, Canada



Ms. Phandom Romabai Chanu
PhD in Clinical Drug Development of
Herbal Medicine,
College of Pharmacy,
Taipei Medical University, Taiwan



Mr. Sachin
Project Research Scientist
Department of pediatrics
mother and child block Aiims
New Delhi



Mr. Hiten Navani Shankar
Project Associate – I
Biological Materials Laboratory
CSIR - Central Leather Research
Institute, Chennai.

ELIGIBILITY CRITERIA

A first class B.Sc., degree in science courses such as Microbiology, Botany, Zoology, Plant Biotechnology, Microbial Technology, Biochemistry, Biotechnology, Genetics, Food Technology, Marine Sciences and Bioinformatics etc, is either a Major or an Ancillary subject. Students from B.Tech, Biotechnology, Food Technology, Biochemistry, Students from Professional courses such as MBBS, BVSc, BDS, B.Pharm, B.Sc., Agriculture and related subjects from a recognized Indian or Foreign University are also eligible.

Contact for Admission: Dr.V.Shanmugaiah, Course Coordinator, Department of Microbial Technology, School of Biological Sciences, Madurai Kamaraj University

Phone: +91 9597414347 | Email: shanmugaiah.biological@mkuniversity.ac.in | Web: www.mkuniversity.ac.in