



ANDHRA LOYOLA COLLEGE

AUTONOMOUS :: VIJAYAWADA - 520 008

Established : 1954

A CHRISTIAN MINORITY COLLEGE WITH CONSTITUTIONALLY PROVIDED RIGHT OF ADMISSION
(AN ISO 14001 : 2015 INSTITUTION)

THE ONLY COLLEGE IN BOTH THE TELUGU STATES TO HAVE BEEN RANKED AMONG
THE TOP 150 COLLEGES BY NIRF SINCE THE INCEPTION OF THE RANKING IN 2017

SELECTED UNDER THE STAR COLLEGE SCHEME OF DBT AND FIST PROGRAMME OF DST, GOVT.OF INDIA
SELECTED FOR ENHANCEMENT OF QUALITY AND EXCELLENCE UNDER RUSA BY MHRD, GOVT.OF INDIA

MOLECULAR BIOLOGY LAB

A College Dedicated to All-Round Development of its Students





Andhra Loyola College (Autonomous)

VIJAYAWADA-520 008.

Accredited in III Cycle at A* Grade with a CGPA of 3.66 / 4.00

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Molecular Biology Lab

The Molecular Biology Lab at Andhra Loyola College, Vijayawada, is a state-of-the-art facility designed to support advanced education and research in the field of molecular biology. The lab is equipped with modern instruments and technologies essential for studying the molecular mechanisms of biological processes. Key features of the Molecular Biology Lab include:

Cutting-Edge Equipment: The lab is furnished with advanced instruments such as PCR machines, gel electrophoresis systems, spectrophotometers, centrifuges, and microscopes. These tools are crucial for conducting experiments in DNA/RNA analysis, protein studies, and genetic research.

Research Opportunities: The lab provides a conducive environment for conducting a wide range of molecular biology research. This includes studies on gene expression, genetic engineering, cloning, and the molecular basis of diseases. Researchers can explore various molecular techniques to understand cellular processes and genetic functions.

Educational Programs: The Molecular Biology Lab supports the academic curriculum by offering hands-on training and practical experiences. Students can engage in laboratory courses, workshops, and independent research projects, enhancing their understanding of molecular biology concepts and techniques.

Interdisciplinary Collaboration: The lab encourages interdisciplinary collaboration, allowing students and faculty from different scientific backgrounds to work together on research projects. This collaborative approach enriches the research experience and broadens the scope of scientific inquiry.

Skill Development: By working with advanced molecular biology techniques and equipment, students develop critical technical skills that prepare them for careers in research, biotechnology, medicine, and related fields. The lab emphasizes practical training to ensure students are proficient in molecular biology methodologies.

Innovation and Research: The lab is involved in innovative research aimed at solving current scientific challenges. This includes developing new molecular techniques, studying the genetic basis of diseases, and exploring applications of molecular biology in biotechnology and medicine.

Support and Resources: The Molecular Biology Lab provides ample resources and support for students and researchers. This includes access to the latest scientific literature, guidance from experienced faculty, and opportunities to participate in research projects and scientific conferences.

The Molecular Biology Lab at Andhra Loyola College aims to foster a deep understanding of molecular biology, promote innovative research, and equip students with the skills needed to excel in the scientific community.


PRINCIPAL
ANDHRA LOYOLA COLLEGE
VIJAYAWADA-8