

SCHOOL OF STUDIES IN BIOTECHNOLOGY

Programmes Offered :

1. M.Sc.

2. Ph.D.

Profile of the School:

The school of studies in Biotechnology came in to existence in 1996. **The school offers postgraduate and Doctoral programmes in Biotechnology.** The School is one of the few ones on the campus that produces students of high academic distinction. The post graduate curriculum is updated almost every alternate year to infuse the latest developments into the the curriculum. The School attract students from all over the country and the admissions are made through a National level entrance examination to ensure admission of the students with academic competence. The teaching programme of the department has been on sound footing since the time of its inception because of sincere and dedicated young faculty of the School. It is also proposed to initiate in near future a credit based criteria system with core, optional and extra-departmental interdisciplinary courses so that students can choose subjects of their future career orientation . The school owns a reasonably good library and books worth of Rs. 1.0 lakh are added to departmental library almost every year.

Good infrastructure for advanced research in various fields of Biotechnology is being procured by the School and research programmes are being initiated with full vigor. The thrust area for research in the School include Molecular biology, Plantbiotechnology, Plant tissue culture, Biomedical toxicology, Genetic engineering, Immunodiagnosics and Environmental biotechnology. The School attracted research grants worth several lakhs from various funding agencies during the last three years. The school is actively considering collaborative research programmes with other National laboratories continued. Efforts are on to develop a good research centre at the School. The teaching programme is strengthened by a highly qualified regular faculty. In addition Scientists of National and International repute from various Universities and National laboratories are invited for teaching.. The school has well furnished laboratories with sophisticated Instruments. The School has signed MOU with various National laboratories in the field of biotechnology. The School of Studies in Biotechnology is envisioned to develop into a nucleus of advanced research in the years to come.

1. M.Sc. (Two years / Four semester)

Available Seats : Open = 25 Payment = 25 NRI = 06

Eligibility : Graduation with 50% marks with Biochemistry / Biology / Biotechnology / Botany / Environmental Sciences / Microbiology / Zoology / Pharmacy / Medicine / Instrumentation. **with chemistry as one of the compulsory subject.**

Mode of selection : Merit in entrance test conducted by Jiwaji University Gwalior.

Faculty : **Prof. G.B.K.S. Prasad, Coordinator** Dr. Sameer S. Bhagyawant, *Sr.Lecturer*

Visiting Faculty :

Prof. P.S Bisen Dr. Y. Ashok Babu Mr. Chakresh Jain Dr. Rajeev Goswami Ms. Anju Mesharam

Course Structure :

I – Semester

Cell biology

Biomolecules & Biotechniques

Microbiology

Biostatistics & Comp. Appl.

Lab course-I

Lab course-II

II – Semester

Molecular biology

Immunotechnology

A-Microbial Biotech.

B- Animal Biotech.

A- Basic Enzymology

B- Env. Biotechnology

Lab course-III

Lab course-IV

III – Semester

Genetic Engineering

Plant Biotechnology

Bioprocess Engg. &

Technology

Emerging trends in

Biotechnology.

Lab course-V

Lab course- VI

IV – Semester

Optional: I- Bioinformatics

II- Enterprenurship in Biotech & IPR

Optional:

I- Molicular & Immuno diagnostics

II- Mangt. & Marketing of Biotech Products

Lab course-VII

Project work

Fees for the course :

Open Seat

Course	I Semester	II Semester	III Semester	IV Semester
M.Sc. BioTechnology	Rs.27415.00	Rs. 23525.00	Rs. 24875.00	Rs. 23525.00
Payment seat: M.Sc. Rs. 21000/- per semester additional to the fees for Open Seat				