



# MANIPAL COLLEGE OF PHARMACEUTICAL SCIENCES

MANIPAL

(A constituent unit of MAHE, Manipal)

## Department of Pharmaceutical Biotechnology

ADMISSIONS OPEN  
2024

## MPharm Pharmaceutical Biotechnology



## Why Masters in Pharmaceutical Biotechnology ?

- Ample job opportunities as biologics and biosimilar pharmaceutical products are rapidly rising
- A Pharmaceutical Biotechnologist addresses challenges in drug discovery, development, and production, while making a meaningful impact on global healthcare.
- Curriculum designed to suit rapidly evolving field of Biopharmaceutical industry.
- Option to enroll deserving students for 'Accelerated PhD (aPhD) program' with fellowship starting from 3rd Semester.
- Scholarship for GPAT qualified students.
- 25% fee concision to maximum of INR 1 lakh for students with scientific merit.
- PhD qualified experienced faculties to train the students and 100% placement record.
- Nearly two decade old department with over 150 Alumni spread across the world.

## Current Areas of Research

- Peptide therapeutics and Nucleotide therapeutics
- Development of delivery system for biologicals
- Antimicrobial drug resistance
- Bioprocess engineering and technology
- Virology, Microbial metabolite production and anticancer drug discovery
- Pharmacoinformatics

## Career Prospects

- Scientist/Executive/Research Associate in various R&D labs involved in the development of biologicals
- Bioprocess Engineer, Pharmacovigilance, Formulation development scientist
- Quality control and quality assurance/drug safety specialist, Patent specialist/ executive in regulatory affairs
- Entrepreneur/Startup Founder
- Academic/Industry Consultant
- Academia and Higher studies / Doctoral degree

## Infrastructure

Department has a 'BSL-2' laboratory facility for microbiological and virology studies, well-equipped animal cell culture facility and Molecular biology laboratories.

The department has built up infrastructure with generous funding from Manipal Academy of Higher Education and research grants from government and private agencies.

## Sophisticated equipments

Orbital shaking incubators, CO<sub>2</sub> incubator, inverted and advanced fluorescence microscopes, Gel documentation system, ELISA plate readers', Florescent plate readers', Western blot system, Electrophoresis units, Deep freezers, Liquid nitrogen cell freezing facility, Auto analyser, Cooling centrifuges, Biosafety Cabinets, sonicator, vacuum rotary evaporator, PCR, RT-PCR, protein purification unit, autoclaves, high-speed homogenizer, and Fermenter, etc.

# Testimonials



The exposure that this department and the college provided is comparable to none which gives an upper hand in the outside world.

**Mr Abhishek Jena**  
MPharm (2019-2021)  
Assistant Manager, 'Mylan- A Viatrix Company'

Having completed both my Master's and PhD from this department, I can confidently say that the stay at Manipal has helped me to lay a strong foundation to my career in this sector.



**Dr Aditya Kiran Gatta**  
MPharm and PhD (2012-2020)  
Scientist, Aurigene -  
Subsidiary of Dr. Reddy's Laboratories



During last two decades, the department has gathered the required infrastructure and multiple platforms for R & D and innovation. The department has its alumni across the leading biopharma organizations in India and abroad.

**Dr Mradul Tiwari**  
MPharm and PhD (2009-2016)  
Manager and SME Upstream  
Department of Biotechnology, Sun Pharma

## MAJOR COLLABORATORS / RECRUITERS




## Rankings

QS World University Rankings between

**101-150**

by the subject Pharmacy & Pharmacology

## Institution of Eminence

by the Ministry of Education, Government of India.

## Top 10 Institute

by NIRF Ranking

Accredited by  
**NAAC: A++**  
with GPA 3.65

Program : **MPharm in Pharmaceutical Biotechnology**

Duration : 2 Years (4 Semesters)

No. of seats: 15

Eligibility : BPharm



For further details contact:

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For admission: <https://apply.manipal.edu>

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