

DEPARTMENT OF BIOTECHNOLOGY

Biotechnology is a technology that involves the use of living organisms for a specific purpose. Biotechnology can be defined as the controlled and deliberate manipulation of biological systems (whether living cells or cell components) for the efficient manufacture or processing of useful products. The fact that living organisms have evolved such an enormous spectrum of biological capabilities means that by choosing appropriate organisms it is possible to obtain a wide variety of substances, many of which are useful to man as food, fuel and medicines.

AIMS & OBJECTIVES

- To Teach, train and graduate qualified skilled students in many disciplines of Biotechnology.
- Develop, implement and evaluate the curriculum of biotechnology program with a strong commitment to be aligned and comply with the standards of the quality assurance.
- Promote a supportive learning environment for life through implementing continuous learning programs.
- Apply the general principles and standards of technology transfer and ensure adequate training of our personnel in modern biotechnology.

Core Values

The staff, student and faculty of the College of Biotechnology are committed to the following core values:

- **Academic Excellence**– DoB passionately strives to achieve excellence in its teaching, individual learner, and learning process through promoting critical thinking, engaged learning, research, and supporting academic environment encouraging lifelong professional development as learners, scholars, teachers, and mentors.
- **Accountability& leadership** – All members of DoB are accountable for their work in support of the College, its mission and goals. The college strives to empower leadership among all individuals through teamwork, sound judgment and responsible decisions enabling all to be change agents in the community we serve.
- **Personal growth** – The College values the development of the whole person by providing supportive environment for personal growth, wellness, ethical decision making, and personal responsibility.
- **Social responsibility** – DoB believes in helping others through its commitment to equity, social justice and diversity. Our diversity as a community is a strength embracing understanding and unity.
- **Respect**– DoBhonours our relationships with students, colleagues, clients by exchanging ideas with civility and respect and has genuine consideration for others and our world.
- **Integrity& ethics**– DoB upholds the highest ethical standards through maintaining the principles of integrity in all what we do.

Career Opportunities

The Bachelor of Biotechnology leads to career paths in:

- Health care sector and Diagnostics
- Research with research institutes, universities or in industry
- Animal health and Vaccine industry
- Agriculture
- Food Technology
- Pharmaceutical and Therapeutic industry
- Forensic Science
- Industrial and environmental Sciences
- Bioinformatics and bioethics in industry regulation
- Biosafety and biosecurity
- Education


HISTORY


The Govt Maharani Laxmi Bai Girls P.G. College (New GDC) is one of the prominent colleges in Indore situated in the kila bhavan which has a historical origin as the fort in the Holkar state constructed in year 1860. The college was established within the fort in year 1965 (shifted from a nearby school where it was running since 1963). The college occupies an area of 13 acres approx. with a built-up area of more than 50,000 sq. feet. The college began with a modest strength of 28 students and now the student strength is 3000 students (three thousand approx) as on 31 august 2013 with the faculty like Arts, science, fine arts, home science, BBA, commerce, computer science & Application and library science.


Biotechnology Department was established in 2003 in this college. The new biochemistry department and Lab was situated in Dr. Hargovindsingh Khorana block in college. We teach both theory and practical aspects so that students can develop the research skills they need to pursue their careers and interests.

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FACULTY PROFILE WITH DETAILS

Name	Dr. Jagrati sharma (head)	
Qualification	Ph.D.	
Designation	Professor	
Work experience	PG- 04, UG- 35	
E-mail ID	jagratihsarma@gmail.com	
Area of interest	Sericulture ,ichthyology	
seminars	13	
Publications	2	

Name	Mr.Amrish Nigam	
Qualification	M.Phil. (Biotechnology)	
Designation	Asst. Professor	
Work experience	PG-6 month, UG-11 years	
E-mail ID	sonu_nigam1182@yahoo.co. in.	
Area of interest	Biotechnology	
Seminars / workshop	11	
Publications	1	

Name	Mr.Anandpatidar	
Qualification	M.Sc. (Biotechnology)	
Designation	Ast. Professor	
Work experience	Govt. - ,UG-01 and current session.	
E-mail ID	anandpatidar1992@gmail.com	
Area of interest	Biotchnology and specially(immunology, cell biology)	
Seminars / workshop	4	
Publications	0	

ACADEMIC COURSES OFFERED

(2017-2018)

S.No.	Name of course	No. of seat	No. of Admitted
1.	B.Sc. (Biotechnology) Undergraduate	1 st year- 60	2 nd year -38
		2 nd year- 40	2 nd year -38
		3 rd year- 40	3 rd year -29

SYLLABUS

S.no	Class	Subject	Paper
1	B.Sc.I st year	Biotechnology	a) cell biology b) microbiology
2.	B.Sc.II nd year	Biotechnology	a)biochemistry and biophysics b)bioinstrumentation and biostastics
3.	B.Sc.V th sem	Biotechnology	Immunology and animal biotechnology
4.	B.Sc.VI th sem	Biotechnology	Plant and environmental biotechnology

STUDENT PROFILE (2017-18)

S.No.	Class	No of admitted	No of Appeared	Pass	Fail	Result (%)
1.	B.ScI ^{yr}	52	50	39	11	
2.	B.Sc2 nd yr	39	37(with old)	III rd sem-37	III rd sem-NIL	
				IV th sem-37	IV th sem-NIL	
3.	B.Sc.3 rd yr	29	28	V th sem-29	V th sem-NIL	
				VI th sem-29	VI th sem-NIL	

INTERNSHIP DETAILS B.Sc. (2017-2018)

S.NO.	NAME OF INTERNSHIP TITLE	NO OF STUDENT APPEARED	INTERNSHIP INSTITUTE OR PLACE
1.	HAEMATOLOGY/DIAGNOSIS OF BLOOD	13	GURJAR HOSPITAL SAI SANYOG HOSPITAL
2.	STUDY OF MEDICINAL PLANTS	01	JAI SIYARAM PAL NURSERY
3.	PATHOLOGY (MALARIA)	01	CITY MEDICAL INVESTIGATION
4.	BIOFERTILIZER	01	APP SPHERE INTERPRISE
5.	INSTUMENTATION	01	IPCA LABORATORIES
6.	PLANT TISSUE CULTURE	06	FOREST DEPARTMENT
7.	QUALITY CONTROL AND INDUSTRIAL TRAINING	04	RUCHI SOYA SANCHI DUGHDHA SANGH

EVENTS NEWS & PHOTOGALLERY



Model and chart presentation



PHOTO GALLERY







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