

Deccan Education Society's
Fergusson College(Autonomous), Pune

Department of Biotechnology
B.Sc. (Biotechnology)

Biotechnology is an interdisciplinary science which encompasses areas viz. molecular biology, genetics, biochemistry, microbiology, immunology, virology, plant and animal tissue culture, chemistry and engineering. It is a fast emerging "cutting edge" science with distinctive advantages as it finds applications in practically all aspects of life. The subject offers exciting opportunities in various fields from basic research to industry oriented career.

Keeping in view the expanse and applications of Biotechnology in every field, there is going to be a perpetual demand for resource personnel with Biotechnology specialization. Our undergraduate and post graduate programs are aimed to cater to this ever increasing demand and to groom the students to excel in their future career. The Department has highly qualified and experienced faculty.

The Department of Biotechnology has **laboratories** well equipped with Biochemistry, Molecular Biology, Microbiology, Animal tissue culture and



Plant Tissue culture instruments, Departmental **library** with national and international editions of books, **Computer room** with free access to **internet facility** for students.

UNDER GRADUATE PROGRAMME

The Biotechnology Department has started a three year B.Sc. (Biotechnology) program from the year 2005.

Admission procedure for B.Sc. Biotechnology:

- **Eligibility:** Higher Secondary School Certificate (10+2) or its equivalent Examination with English and Biology; and two of the science subjects such as Physics, Chemistry, Mathematics*, Biotechnology.
- Selection will be based on merit (PCB total)
- **Intake capacity:** 45
- Reservation and relaxation Norms set up by university/government will be followed for the admission process.

***Mathematics is not compulsory for admission to B.Sc. Biotechnology. However, please note that students have to appear for a 50 Marks paper of 'Quantitative Methods for Biologists' in each semester of F.Y. B.Sc, Biotechnology which has Mathematics and Statistics components.**

CURRICULUM:

Fergusson College, Pune, has been granted **Autonomous Status** by the UGC and SPPI from the academic year 2016-17. The Curriculum under autonomy, has been designed by highly experienced subject experts. The focus is to bring innovations in the curriculum, to provide extensive hands on training and to make it more relevant to the current scenario in Industry and Research fields.

so as to provide an edge to our students at both National and Global level.

Fergusson College (Autonomous) has adapted the internationally acknowledged Credit System (CS) that offers opportunities to learn core subjects and to explore additional avenues of learning beyond the core subjects for complete development of an individual. It makes education broad based and at par with the global standards. Under this system, the Department offers a wide range of subjects like Microbiology, Biochemistry, Cell Biology, Genetics, Molecular Biology, Immunology, Animal and Plant Tissue Culture, Recombinant DNA Technology, Fermentation etc. that will provide them an opportunity to develop competency in the area of strength. Sound theoretical knowledge with extensive practical skill sets will help the students to avail opportunities in the applied fields.

Detailed Curriculum is available at our website www.fergusson.edu

ASSESSMENT PARAMETERS:

The college follows the concurrent evaluation pattern for assessment. Under this system, continuous internal evaluation is conducted throughout the semester by way of a variety of procedures for examination like assignments, seminars, group discussions, quiz, surveys, open

book test etc. for 50% marks and an end semester examination for 50% of the total marks is conducted.

CO-CURRICULAR&RESEARCH ACTIVITIES

CHIMERA is the **annual fest** organized by the staff and students of the Department of Biotechnology. Chimera symbolizes a platform for providing an exchange of ideas, an amalgamation of academics and extra-curricular activities and a process of individual growth.

A **study tour** is organized every year by the department to a Biotechnology industry.

The departmental organization **FABIOL** organizes a myriad of activities. The students have the privilege to interact with well acclaimed personalities from academics and industry on regular basis by way of guest lectures. Faculties from overseas institutes such as Cork Institute Ireland, Glasgow Caledonian University, U.K., Umea University Sweden, King's College, London, Penn State University, US visit regularly to guide the students about potential opportunities outside India.

SCOPE OF BIOTECHNOLOGY

Biotechnology graduates can pursue a course in 'Masters in Biotechnology' which is offered by the Department of Biotechnology, Fergusson College or other research institutes. They are also eligible for Masters in Bioinformatics, Virology,

Immunology, Genetic Counseling and MB (Biotechnology).

The Department has initiated placement activities for students to assist them in finding suitable opportunities in reputed industries. This has resulted in the successful recruitment of students in reputed companies.

The staff strives to go beyond the prescribed curriculum to introduce the students to the scope the subject offers in various fields and to give them an edge over others in the competitive environment.

CONTACT

Dr. Sonali Joshi
Head, Department of Biotechnology
sonali.joshi@fergusson.edu

Dr. Dhanashri Godbole
dhanashri.godbole@fergusson.edu

Ph: 020 30866456