



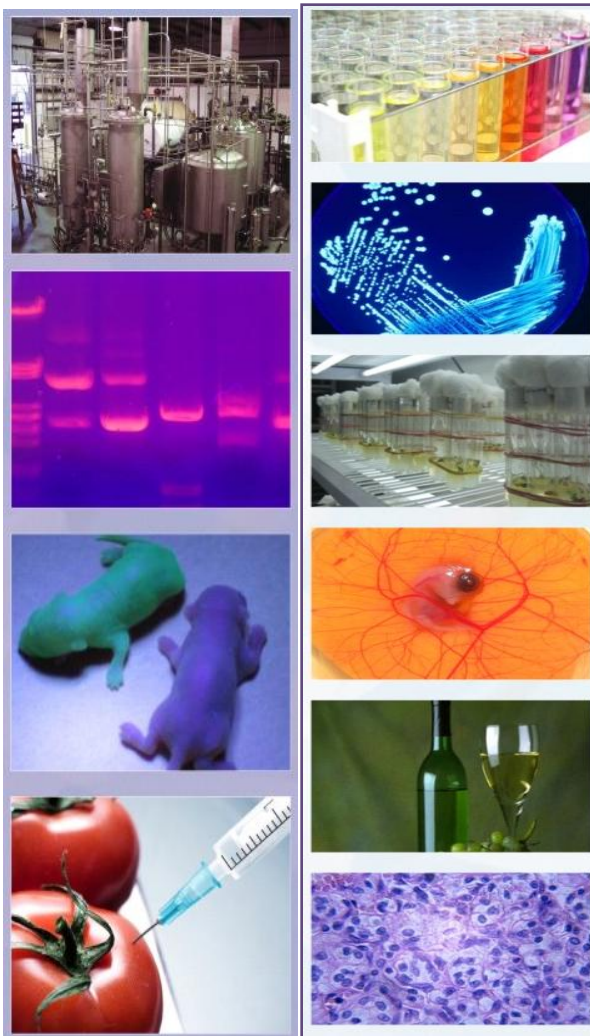
Deccan Education Society's
Fergusson College (Autonomous), Pune

Department Of Biotechnology M.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.

POST GRADUATE PROGRAMME

The Biotechnology Department has started a two year M.Sc. (Biotechnology) program from the year 2007.

Admission procedure for M.Sc. Biotechnology:

- **Intake capacity:** 24
- **Eligibility:** B.Sc. (Biotechnology) with minimum 55% marks for open category and at least 50 % for reserved category students.
- Selection will be on the basis of an entrance exam
- Norms set up by university/government and D.E.Society will be followed for the admission process.

CURRICULUM:

Fergusson College, Pune, has been granted **Autonomous Status** by the UGC and SPPU 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 field so as to provide an edge to our students at both National and Global level.

Fergusson College (Autonomous) has adapted the internationally acknowledged Choice Based Credit System (CBCS) 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 electives for students to choose that will provide them an opportunity to develop competency in the area of strength.

In addition, to promote self study, self learning modules have been introduced in each semester.

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.

ADDITIONAL COMPULSORY COURSES

Introduction to Cyber Security/ Information Security, Human Rights, Skill Development

CO-CURRICULAR & RESEARCH ACTIVITIES

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. The students pursue their research projects in collaboration with reputed research institutes such as IISER, NCCS, NCL, NIV, IBB, Haffkine institute etc. 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.

PLACEMENT ACTIVITIES

The Department has initiated placement activity for students to assist them in finding suitable opportunities in reputed industries. Several industries like Serum Institute of India, Praj Industries, Reliance, Wipro Technologies, Tata Consultancy Services among others have given encouraging response to our efforts. This has resulted in the successful recruitment of students in reputed companies.

OUR RECRUITERS

Following is the list of few prestigious companies in which our M.Sc. students have been placed.

- Amazon
- Savy Biotech
- Accenture Ltd.
- BioEra - Life Sciences Pvt. Ltd.
- Serum Institute of India
- ZocDoc
- Symphony
- Reliance Foundation
- Wipro Technologies
- Talentica Healthcare
- Evolvus
- Genova
- Lupin Pharmaceuticals
- Vital Biologics
- Enzene Biosciences
- Crest
- BabyCell
- Antham Biosciences, Bangalore

Many of our alumni have acquired or are pursuing Ph.D. in reputed National and International Institutes like IIT, Yale University (U.S.), Max Plank (Germany), Friedrich- Alexander (Germany), University of Tübingen (Germany), Purdue (U.S.), King's College (London), Uppsala (Sweden) etc.

Dr. Sonali Joshi
Head, Department of Biotechnology
sonali.joshi@fergusson.edu (020 30866456)

Dr. Dhanashri Godbole
dhanashri.godbole@fergusson.edu