

About Department of Microbiology

Microbiology is one of the most rewarding of professions because it gives its practitioners the opportunity to be in contact with all the other natural sciences and thus to contribute in many different ways to the betterment of human life.

Microbiologists are involved in activities as diverse as genes structure, control of diseases and industrial processes based on the phenomenal ability of microorganisms to decompose and synthesize complex organic molecules. Microbiology along with biotechnology is at the frontier of research in life sciences and has close links with biochemistry, biostatistics and environmental engineering.

The microbiology department made a small beginning in the academic year 2004-05 with an intake of 26 students. It initiated the post graduate course in year 2007-08 with an intake of 27 students. The strength of microbiology department is 265 students.

Laboratory Facilities

The Department is well equipped in terms of infrastructure and receives a deluge of students applying for its undergraduate and postgraduate courses. Each laboratory is well equipped with instruments such as Sterile air stations, electrophoresis apparatus, shakers and shaker incubators, binocular microscopes, U.V. visible spectrophotometer, -20 Degree Celsius Deep Freezers etc.

Library Facility

The Department has a dedicated well equipped library for students use. Library is currently housing more than 600 books including reference books, journals, science magazine and laboratory manuals for use by faculty and students. Well lit and well ventilated reading hall is adjacent to the library.

Research activities

The department is involved in research on various topics related to biodegradation and bioremediation, antimicrobial activity, fermentation technology, nanotechnology, endophytes etc. Students and faculty and routinely engaged in presenting their research work in the form of research papers, oral presentations and poster on national and international platforms.



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Fergusson College, Pune.
Affiliated to Savitribai Phule Pune
University, Pune

Department of Microbiology



<http://pixshark.com/microscope-silhouette.htm>

**NEVER UNDERESTIMATE THE POWER
OF MICROBES**

Departmental Contact No. 02030866000
Visit our website at: www.fergusson.edu

Placement

For the academic year 2015-2016, Eleven students of M.Sc. II from our department have been selected in Emcure Phramaceutical Company, Pune.

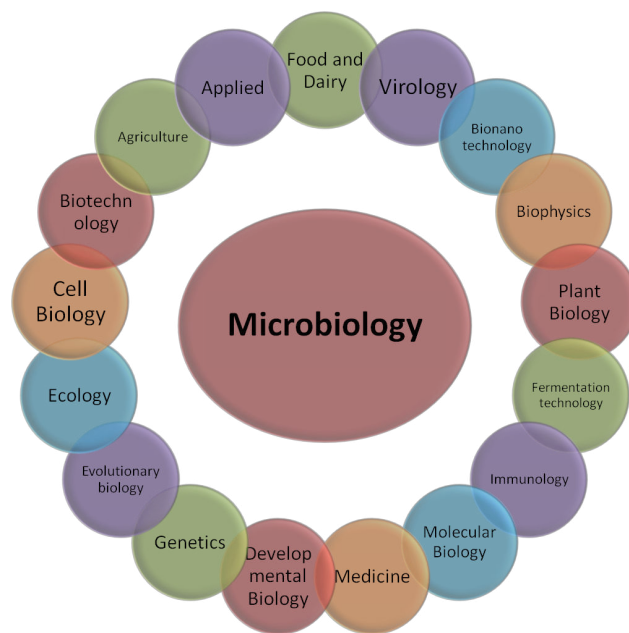
About Our Faculty

A well qualified, young enthusiastic staff is an asset of the Department

Sr. No.	Name of the Faculty	Qualification	Experience
1	Mrs. Meghana Kulkarni	M.Sc. NET	14
2	Dr. Sunecti Gore	M.Sc., Ph.D., NET., D.H.M.	19
3	Dr. Shivaji Waghmare	M.Sc. Ph.D.	08
4	Mrs. Gauri Bhawkar	M.Sc. NET	05
5	Mrs. Vidula Bindu	M.Sc. SET	18
6	Mrs. Saylee Darvekar	M.Sc. SET	11
7	Mrs. Manaswi Gurjar	M.Sc. SET	10
8	Mrs. Anuja Oke	M.Sc. NET	03

Sr. No.	Name of the Non Teaching Staff	Designation	Experience
1	Mrs. Swati Wagh	Lab Assistant	03
2	Mr. Shivaji Chitale	Lab Attendant	07
3	Mr. Malhari Jadhav	Lab Attendant	07
4	Mr. Datta Bhise	Lab Attendant	08
5	Mrs. Rani Chinchkar	Librarian	05

Different fields of Microbiology



Post graduate M.Sc. I

Semester I		Semester II	
Theory	Practical	Theory	Practical
MB501: Microbial Diversity and Taxonomy	MB 511: Microbial Diversity and Systematics	MB601: Instrumentation and Molecular Biophysics	MB 611: Biophysics and Virology
MB502: Quantitative Biology	MB 512: Cell biology and Bio-chemistry	MB602: Virology	MB 612: Enzymology and Microbial Metabolism
MB503: Cell organization and Bio-chemistry		MB603: Microbial Metabolism	

Along with compulsory Credits of Human Rights, Cyber Security and Skill Developments.

M.Sc. II

Semester III		Semester IV	
Theory	Practical	Theory	Practical
MB701: Immunology	MB 711: Based on Immunology, Pharmaceutical Microbiology and Environmental Microbiology	MB801: Pharmaceutical and Medical Microbiology	MB 811: Dissertation-I MB 812: Dissertation-II
MB702: Molecular Biology-I	MB 712: Based on Molecular Biology (I & II) and Microbial Technology	MB802: Molecular Biology-II	
MB703: Industrial Waste Water Treatment		MB803: Microbial Technology	

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CONTACT

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