



KANNUR UNIVERSITY

DEPARTMENT OF
BIOTECHNOLOGY & MICROBIOLOGY
School of Life Sciences

THALASSERY CAMPUS, PALAYAD P.O.
KANNUR, KERALA-670661
Ph: 0490- 2346270, 2347394

Programmes Offered
M.Sc. Programmes in Biotechnology and Microbiology
(Under Choice based Credit Semester System)
&
Ph.D. Programme in Life Sciences

PROSPECTUS 2016–17

INTRODUCTION

The Department of Biotechnology and Microbiology of Kannur University was established in the year 2000 for conducting M.Sc. programmes in Biotechnology and Microbiology as well as doctoral research. The department has the vision to emerge as a most reputed postgraduate study and research center in the region. The department is an approved research centre of Kannur University in Life Sciences.

	FACULTY	AREA OF EXPERTISE
1	Dr. K. Sreejith, M.Sc., M.Phil., Ph.D. Associate Professor & Head	Cancer Biology Microbial Antibiotics
2	Dr. C. Sadasivan, M.Sc., Ph.D. Professor	Structural Biology Bioinformatics
3	Dr. E. Jayadevi Variyar, M.Sc., M.Phil., Ph.D. Assistant Professor	Endocrinology Immunology
4	Dr. Anu Augustine, M.Sc, Ph.D. Assistant Professor	Plant Biotechnology Plant Tissue culture
5	Dr. A. Sabu, M.Sc., Ph.D. Assistant Professor	Microbial Biotechnology Fermentation Technology
6	Smt. L. Soumya Assistant Professor	rDNA Technology
7	Dr D. Naveen Chandra, M.Sc., Ph.D Assistant Professor on contract	Biological Crystallography Structural Biology
8	Ms. Shahaziya TP, M.Sc. Assistant Professor on contract	Medical Microbiology

M.Sc. Programmes

M.Sc. Biotechnology - 12 Seats

M.Sc. Microbiology - 12 Seats

Duration of the programmes: 4 semesters

Admission procedure

Admissions are notified in national newspapers inviting applications for the M.Sc Programmes (Biotechnology, Microbiology) of the Department.

Eligibility: Indian nationals with a bachelor's degree in any of the subjects such as Biotechnology/ Microbiology/ Biochemistry/ Chemistry/ Zoology/ Botany/ Life Science or any other subject with Microbiology/ Biotechnology as one of the subjects of study at degree level with not less than 50% marks in aggregate (excluding languages). Eligible relaxation in the percentage of marks will be given to candidates belonging to SC and ST. All the eligible applicants have to appear for a written entrance test. Duration of the entrance test will be 120 minutes with 200 objective type multiple choice questions for 100 marks. The questions will be of undergraduate standard. There will be 25% negative marks for wrong answers. A rank list will be prepared based on the entrance test. The subjects and their weightages in the Entrance Test will be as given below.

Physics	5%
Chemistry	15%
Botany	15%
Zoology	15%
Biotechnology, Microbiology, Biophysics, Biochemistry, Molecular Biology etc.	50%

Those who are awaiting final year B.Sc. results also can apply but they have to fulfill the eligibility criteria before the date of admission.

M. SC CURRICULA

The M.Sc curriculum of both Biotechnology and Microbiology closely follows to the level and extent as conceived by the national curricula development centers of UGC/ DBT.

PROJECT WORK

All the M.Sc students have to do a research project of 3–4 months duration in the fourth semester. For the research projects the students are encouraged to go to national research institutes, in order to acquire familiarity with such environments. The students may also get opportunity to undergo 1–2 weeks training in industrial / productive institutions in the field of applied biology.

FEE STRUCTURE

ITEMS	1 st sem. (Rs.)	2 nd sem. (Rs.)	3 rd sem. (Rs.)	4 th sem. (Rs.)
Admission Fee	400	–	–	–
Student Affiliation Fee	400	–	–	–
Tuition Fee	4000	4000	4000	4000
Library Fee	240	240	240	240
Special Fee	260	–	260	–
Sports Affiliation Fee	100	–	100	–
University Union Fee	100	–	100	–
Students Welfare Fee	260	–	260	–
Caution Deposit	250	–	–	–
Laboratory Fee	6250	6250	6250	6250
University Development Fund	50			
Total	12310	10490	11210	10490

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Head of the Department