



**ACTIVITIES**  
**Department of Agricultural Microbiology**  
**N. M. College of Agriculture**  
**Navsari Agricultural University, Navsari (Gujarat)**



**1. TEACHING ACTIVITIES**

**A. Undergraduate level**

| Sr. No. | Course No.     | Course title                   | Credit |
|---------|----------------|--------------------------------|--------|
| 1       | Ag. Micro. 1.1 | Agricultural Microbiology      | 1+1    |
| 2       | Ag. Micro 6.2  | Biopesticide and Biofertilizer | 2+1    |

**B. Master's level (BSMA)**

| Sr. No. | Code       | Course title                           | Credit |
|---------|------------|--|--------|
| 1       | Micro 501  | Techniques in Microbiology             | 0+2    |
| 2       | Micro 502* | Principles of Microbiology             | 3+1    |
| 3       | Micro 503* | Microbial Physiology and Metabolism    | 3+1    |
| 4       | Micro 504  | Microbial Genetics                     | 2+1    |
| 5       | Micro 505* | Soil Microbiology                      | 2+1    |
| 6       | Micro 506  | Microbial Biotechnology                | 2+1    |
| 7       | Micro 507* | Food Microbiology                      | 2+1    |
| 8       | Micro 508  | Bacteriophages                         | 1+1    |
| 9       | Micro 509  | Environmental Microbiology             | 2+1    |
| 10      | Micro 510  | Industrial Microbiology                | 2+1    |
| 11      | Micro 511  | Biofertilizer Technology               | 2+1    |
| 12      | Micro 512  | Cyanobacterial and Algal Biotechnology | 2+0    |
| 13      | Micro 591  | Master's Seminar                       | 1+0    |
| 14      | Micro 599  | Master's Research                      | 30     |

\* core courses

### C. Doctoral level (BSMA)

| Sr. No. | Code       | Course title                                    | Credit |
|---------|------------|---|--------|
| 1       | Micro 601* | Improvement in Fermentation Technology          | 2+1    |
| 2       | Micro 602  | Microbial Physiology and Regulation             | 2+0    |
| 3       | Micro 603* | Recent Development in Soil Microbiology         | 2+0    |
| 4       | Micro 604  | Recent Approaches in Environmental Microbiology | 2+0    |
| 5       | Micro 605* | Plant Microbe Interactions                      | 2+1    |
| 5       | Micro 691  | Doctoral Seminar I                              | 1+0    |
| 6       | Micro 692  | Doctoral Seminar II                             | 1+0    |
| 7       | Micro 699  | Doctoral Research                               | 75     |

\* core courses

## 2. RESEARCH ACTIVITIES

### A. Current Research Projects

| Sr. No.          | Title of Project                   | Principle Investigator | Co-PI | Budget Head |
|------------------|------------------------------------|------------------------|-------|-------------|
| <b>Plan (01)</b> |                                    |                        |       |             |
| 1                | Strengthening of Microbiology Cell | Dr. M. D. Khunt        | -     | 12239       |

## 3. EXTENSION ACTIVITIES

- Need based training to the extension workers / officers of Department of Agriculture Gujarat State, Officers / Field Staff of Sugar Factories/ input dealers; and farmers bring by various NGOs to strengthen their knowledge about use of biofertilizers and biopesticides in sustainable agriculture.
- Actively participating in *Krishi Mela*, *Krishi Mahotsav*, *Khedut Din*, *Khedut Shibir*, Seminar, Radio, Television Programme, etc.
- Department is also imparting Dissertation training to the post graduate students of other Universities.