

Evaluative Report of Microbiology Department

1. Name of the department : **Microbiology**
2. Year of Establishment : **2004**
3. Name of Programs /Courses offered (UG, PG, M. Phil, Ph.D., Integrated Masters;IntegratedPh.D.,etc.) : **B.Sc., M.Sc., and B.Sc. MLT.**
4. Names of interdisciplinary courses and the departments/units involved : **Zoology, Biotechnology, Computer science, Chemistry.**
5. Annual /semester /choice based credit System (Program wise) : **B.Sc. – Semester & CGPA
M.Sc.–Semester & CGPA**
6. Participation of the department in the Courses offered by another department : **Environmental Science, B.Pharmacy.**
7. Courses in collaboration with the other Universities, industries, foreign institution, : **B.Sc. MLT. (YCMOU Nashik)**
8. Detail of courses /programs discontinued if any) with reasons : **Nil**
9. Number of teaching posts:

Post	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	6 (NG)	6 (NG)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. / D. Lit / Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Speciali zation	No. of years of Experie nce	No. of Ph.D. students guided for the last 4 years
Dr. S. K. Borse	M.Sc., D. H. E., M.Phil., Ph.D	Head & Associate Professor	Physiolo gy	28	---
Mrs. V. A. Wagh	M.Sc.	Asst. Professor	Microbi ology	08	---
Mrs. S. K. Patil	M.Sc.	Asst. Professor	Microbi ology	07	---
Mr.K.V.Bad gujar	M.Sc.	Asst. Professor	Microbi ology	03	---
Mr. S.G.Shaikh	M.Sc.	Asst. Professor	Microbi ology	03	---

Miss V.M.Songire	M.Sc.	Asst. Professor	Microbiology	01	---
Miss K.R.Patil	M.Sc.	Asst. Professor	Microbiology	01	---

11. List of senior visiting faculty:

- Dr. B. R. Kamble,
- Dr. J. C. Hundiwale
- Mrs. S. J. Chandratre
- Miss. Raksha Kankariya

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty.

Course	Theory	Practical
B. Sc.	100%	100%
M. Sc.	100%	100%

13. Student-Teacher Ratio (Program wise) :

Course	Number of faculties	Number of Student	Ratio
B. Sc.	4	54	13.5 student/teacher
M. Sc.	2	10	5 student/teacher

14. Number of academic support staff (technical) and administrative staff; sanction and filled

Post	Post sanctioned	Post filled
Lab Assistant	01	01
Lab Attendant	01	01
Peon	00	00

15. Qualification of teaching faculty with D. Sc. / D. Lit / Ph. D / M. Phil / PG :

Qualification	No. of Faculty
M.Phil., Ph.D.	01
M.Sc.	06

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received.

Name of the Project	Title of project	Funding Agency	Grant received	Duration
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17. Department projects funding by DST-FIST; UGC, DBT, ICSSR etc. and total grants received :Nil

Name of the project	Title of project	Funding Agency	Grant received	Duration
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18. Research Centre / faculty recognized by University : NA

19. Publications:

- a) Publication per faculty
- b) Number of papers published in peer reviewed journals : (b1 – National , b2 – International, b3 – Conference Proceedings) by faculty and students.
- c) Books with ISBN/ISSN numbers with details of publishers

Name of the Faculty	a	b3	c
Dr. S. K. Borse	01	01	01
Miss. V. A. Wagh	01	01	02
Miss. S. K. Patil	--	--	02
Mr. K. V. Badgujar	02	02	---

20. Areas of consultancy and income generated :

Detection of antimicrobial and antifungal activity of chemicals extracts. 100 rupees per sample charged by the Institution.

21. Faculty as members in : **Nil**

- a) National committee
- b) International Committee
- c) Editorial Boards

22. Student projects:

- a) Percentage of students who have done in-house projects including inter departmental/program: **100% student of T.Y. B.Sc. and M.Sc.does in-house projects.**
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research/Industry/other agencies: **Nil**

23. Awards/Recognitions received by faculty and students: **Nil**

24. List of eminent academicians and scientists / visitors to the department:

Name	Position
Dr.S.B.chincholkar.	Ex. Director, BCUD, NMU, Jalgaon
Dr. P.R.Puranik.	Head, Dept. of Biotechnology, NMU. Jalgaon
Dr.M.V.Kulkarni.	Head, Dept. of Biotechnology, Pune University
Dr. A.B.Chaudhari.	Head, Dept. of Microbiology, NMU, Jalgaon
Dr.B.L.Chaudhari.	Asso. Prof., Dept. of Microbiology, NMU, Jalgaon
Dr. U.K.Patil.	Head, Dept. of Biotechnology, R.C.Patel College, Shirpur
Dr.K.P.Narkhede.	Head, Dept. of Microbiology, M.J.College, Jalgaon
Dr.M.M.Jogi	Asso.Prof., Dept. of Microbiology, Shahada College
Prof.S.J. Chandratre	Asso.Prof., Dept. of Microbiology, M.J.College, Jalgaon
Dr. R.D.Shelar	Asso.Prof., Dept. of Microbiology, Z.B.Patil College, Dhule
Dr.S.V.Bhalsinge	Assi. Prof. Dept. Of Biochemistry, NMU, Jalgaon
Dr. Nitin Patil	Head, Dept. of Microbiology, SSVPS College, Dhule
Dr. Pritam Shinde	Asso. Prof., Agriculture College, Dhule
Mr. Shashikant Joshi	Assi. Prof., Dept. of Microbiology, Pratap College, Amalner
Miss Sarojini Deshmukh	Assi. Prof. , Dept. of Microbiology, Z.B.Patil College, Dhule

25. Seminars/Conferences/Workshops organized & the source of funding:

a) National :Nil

b) International :Nil

26. Student profile program / course wise: 2011-12

Name of the course/program (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
F.Y.B.Sc.	22	22	12	10	100 %
S. Y. B. Sc.	17	17	10	07	100 %
T. Y. B. Sc	07	07	04	03	100 %
M. Sc. Part - I	01	01	00	01	80 %
M.Sc. Part- II	05	05	02	03	50 %
B.Sc. MLT	05	05	02	03	75 %

27. Diversity of students

Name of the course	% of students from the same state	% of the students from other State	% of the students from abroad
B. Sc.	100%	--	--
M. Sc.	100%	--	--

28. How many students have cleared national and state competitive examinations such as NET, SET, GATE, Civil Services, Defense services etc.: **None**

29. Student Progression

Students Progression	Against % enrolled
UG to PG	100%
PG to M. Phil.	-
PG to Ph.D.	-
Ph. D. to Post – Doctoral	-
Employed	100%
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurship /Self-employment	72.22 %

30. Details of Infrastructure facilities

a) Library- Nil. However in Central library there are 319 books of Microbiology.

b) Internet facilities for Staff & Students: **Internet connection is available with one Node.**

c) Class rooms with ICT facility: **We use to make arrangement of ICT facilities in the existing class rooms, as per requirement.**

d) Laboratories : **LAB1: 90 sq.m.**

LAB2: 60 sq.m.

31. Number of students receiving financial assistance from college, University, government or other agencies:

Total No. of Students	College (Earn and Learn Scheme)	University (Poor Boys Fund)	GOI
52	--	--	43

32. Details on student enrichment programs (special lectures/workshops/seminars) with experts: **We have organized following programmes for the student enrichment:**

Sr. No.	Name of the Programme	Level of Programme	Year	No. of Students Participated
1	Poster & Model Exhibition	College	2008-09	27
2	Poster & Model Exhibition	University	2010-11	120
3	Blood group detection	College	2010-11	130
4	Poster & Model Exhibition	University	2011-12	70
5	Blood group detection & Hb. estimation	College	2011-12	113
6	Poster & Model Exhibition	University	2012-13	50

33. Teaching methods adopted to improve student learning:

The LCD and OHP are used for making teacher learning easy for students. Materials like animation, video lectures etc. are used to simplify the concept of subject.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- **Active Participation in Blood donation camp.**
- **Active Participation in Plantation Campaign.**
- **Arrangement of blood &Hb detection camp.**

35. SWOC analysis of the department and future plans.

Strengths:

- Unity among Faculty.
- Young and Skilled staff.
- Creation of invisible world of micro-organisms.
- Instrumentation facility such as PCR, Gel Doc, Cooling Centrifuge, etc
- Two faculty members are doing Ph.D.

Weaknesses:

- Due to lack of industrial zone less chances of employment.

Opportunities:

- Job opportunities for students in national and international industries.
- Research opportunities in various areas and also at national and international institutes.

Challenges:

- Availability of need based expertise .

Future Plans:

- PG recognition
- Minor research projects will be submitted.
- The proposal for organizing National/International conference will be submitted.