

Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE, Congress Nagar, Nagpur

DEPARTMENT OF BIOTECHNOLOGY

INTERNAL ACADEMIC AUDIT

2021-2022

1. A. Faculty Strength:

Faculty	Recruited	Vacant	Remarks
Regular	-	-	-
CHB	-	-	-
Ad-hoc	03	-	-
Non-teaching	02	-	-

B. Faculty profile

Name	Highest Qualification	Designation	Specialization	Teaching Experience
Ms. D.DeepthiHynal	M.Sc Biotechnology B.Ed	Ad-hoc Lecturer	Biotechnology	06 Years
Ms. Sanchari Sarkar	M.Sc Microbiology SET, GATE	Ad-hoc Lecturer	Microbiology	02 Year and 6 months
Ms. Mayuri Bhad	M.Sc Biotechnology B.Ed, SET	Ad-hocLecturer	Biotechnology	01 Years

2. Student's strength

Year	Group	Number of Students Admitted
B.Sc. Semester V	CMBT	86
B.Sc. Semester III	CMBT	81
B.Sc. Semester I	CMBT	77
B.Sc. Semester VI	CMBT	84
B.Sc. Semester IV	CMBT	79
B.Sc. Semester II	CMBT	73

M.Sc.SemesterI		
M.Sc.Semester III		
Ph.D.		
Value Added Program		

3.Student's Performance

A. Result Analysis (Winter 2021) UG & PG

Programme Name	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
B.Sc III Semester V Biotechnology	Winter 2021	86	100 %
B.Sc II Semester III Biotechnology	Winter 2021	81	100 %
B.Sc I Semester I Biotechnology	Winter 2021	77	100 %

B. Result Analysis (Summer 2022) UG & PG

Programme Name	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
B.Sc III Semester VI Biotechnology	Summer 2022	84	100 %
B.Sc II Semester IV Biotechnology	Summer 2022	79	100 %
B.Sc I Semester II Biotechnology	Summer 2022	73	100 %

C. Achievements

A- (Medals/Awards/Prizes at University level)

Sr.No.	Name of the Students	Class	Title
1.	Ms. Bhoomika Mirashi	B.ScIIInd Year (CMBT)	Won Consolation Prize in Self Designed Product Advertisement Competition Organized by RTMNU on National Science Day – 2022 Conducted on 28 th February 2022

B- Merit Position of UG Students in RTMNU

Sr.No.	Name of the Students	Merit Position

C- Merit Position of PG Students in RTMNU

Sr.No.	Name of the Students	Merit Position

4. Student's Progression:

No. of students enrolling in higher Education	Name of institution joined	Name of program admitted to
UG to PG (03)		
Ms. Osheen Khiyani	Hislop School Of Biotechnology, Nagpur	M.Sc Biotechnology
Ms. Pranjalee Diwale	Hislop School Of Biotechnology, Nagpur	M.Sc Biotechnology
Ms. Pranjali Joshi	Hislop School Of Biotechnology, Nagpur	M.Sc Biotechnology
PG to Research		
Placement		
On-Campus		
Off-Campus		

(i) Students' publication in Conferences/ Journals:

Title of the Paper	Name of Author	Title of journal	Year of publication

(ii) Students' participation in Seminar/ Conferences:

Sr. No.	Name of Students	Conference type	Participation as
1.	B.Sc Biotechnology	International Workshop on	Student delegates

	Final year students	“Research Insights in Scientific Writing and Publication RISWP-2021”	
2.			
3.			

(iii) Students’ ExtensionActivity/ Extracurricular activity

Sr. No.	Name of the activity	Number of students Participated
1.	Visit to VNIT Science Exhibition	40 students

(iv) Participation of Students in online/MOOCs courses/ NPTEL/ SWAYAM

Sr.No.	Name of the Students	MOOCs / NPTEL/ SWAYAM

5. Faculty :

I. Research Paper Publications : 01

A. Total Number of publications:

i) International : 01

ii) National : Nil

B. Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index :

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self-citation
Production of vinegar from pineapple peels using <i>Acetobacter</i> species isolated from soil sample and its antibacterial activity.	Tumane PM ¹ , Sarkar Sanchari ² , Wasnik DD ³ & Kolte NA ⁴	International Journal Of Life Sciences	2018	16	Post Graduate Department of Microbiology RTMNU, Nagpur	16

C. Faculty participation in conferences/seminar/workshop and symposia:

Name of the Faculty	Title of Conference/ Seminar/ workshop Attended	Period	Level International/ National/State /University /College	Whether Presented papers	Whether abstract /paper published in Souvenir/Abstract Book
Ms. D.DeepthiHynal	International Workshop on “Research Insights in Scientific Writing and Publication RISWP-2021” organized by Dept. of Biotechnology and Microbiology in association with IQAC	17 th & 18 th December2021	International Conference	No	No
Ms. Sanchari Sarkar	International Workshop on “Research Insights in Scientific Writing and Publication RISWP-2021” organized by Dept. of Biotechnology and Microbiology in association with IQAC	17 th & 18 th December2021	International Conference	No	No

Ms. Mayuri Bhad	International Workshop on “Research Insights in Scientific Writing and Publication RISWP-2021” organized by Dept. of Biotechnology and Microbiology in association with IQAC	17 th & 18 th December2021	International Conference	No	No
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D. Awards to Faculty members : Nil

Name of Teacher	Title of the Award	Title of Agency/ Conference	National / International

6. MoUs signed with institutions of national and international importance, other universities, industries, corporate houses etc. during the year : Nil

7.

Date of MOU	Organization	Purpose/Activity	Student Participate under MOU
6 th October 2018	Department of Management Dhanwate National college, congress nagar Nagpur.	“IP is all around you- An introduction to Intellectual Property Rights”	Ms.Sakthiya Dakshi, Patent agent & Advocate, Counsel, Co-Founder and Partner, Taru Legal, New Delhi

8. Research funds sanctioned and received from various agencies, industry and other organizations : Nil

Nature of the Project	Duration	Name of funding Agency	Amount Sanctioned	Amount Received

9. BooksPublished : Nil

	Book		Book Edited
	Title	ISBN and Date	Chapter

10. Research Guidance by Faculty during the year : Nil

Name of the guide	Ph.D		
	Awarded	Submitted	Registered

10. Alumni engagement

a. Contributes significantly to the development of the institution through financial and other supports : Nil

11. Action Plan of the Department

1. Workshop on Molecular Biology Techniques.
2. Proposal for post-graduation course in Biotechnology department.
3. Guest lecture on “Awareness on breast cancer”
4. Model making competition on “Bio World”
5. Conduction of seminars as assignments.
6. Plan for industrial trip.

12. Best Practices of the department

1. Students Mentor Scheme is practiced.
2. Teacher –Students interaction is encouraging.
3. Felicitate and Reward the Merit students.
4. Guidance and interactive discussion with the students.
5. Help to Economically backward students.
6. To inculcate competitive and humanitarian spirit in the students.
7. To inculcate scientific temper in the students.
8. Awareness is created about yoga and Naturopathy.
9. Parents-Teacher meeting is conducted.
10. Classroom seminars are conducted based on curriculum.

13. SWOT Analysis

➤ **Strength-** Well equipped Biotechnology laboratory and experienced teaching staff and Nonteaching staff.

Most of the students get admissions to M.Sc.

Most of the students secure jobs after B.Sc and M.Sc.

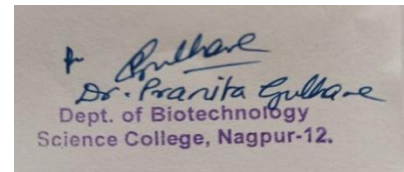
All teachers complete allotted syllabus in time satisfactorily.

Department has good facilities for research activities.

- **Weakness-**Limited Laboratory space. Posts of Regular Teaching staff are vacant.
- **Opportunities-** Biotechnology is basic as well as applied subject, therefore during this pandemic situation of COVID 19, now the students have understood the importance of microorganisms and higher demand of biotechnology subject. There are job opportunities in this field i.e. Vaccine Development, Research Analyst, Quality Control officer, Food and Drug Administrative officer, Clinical Laboratory Technician, IP manager in IPR, Plant Tissue Culture technician, Genomics Technician, Research Associate, Green House/field technician, Biomedical Equipment Technician etc.

Date:

18/01/21



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Head of the Department