

*Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Internal Quality Assurance Cell*

DEPARTMENT OF BOTANY

INTERNAL ACADEMIC AUDIT

2019-2020

1. Vision and Mission of the Department.

Vision- To emerge as a center of excellence in “Plant Science”

Mission- We dedicate & commit ourselves to provide education in plant science & its applications to enrich the students with resents advances in the subject “where sky is the limit”.

2. A. Faculty Strength:

Faculty	Recruited	Vacant	Remarks
Regular	04	01	
CHB	02		
Adhoc	Nil		
Non-teaching	02		

B. Faculty profile

Name	Highest Qualification	Designation	Specialization	Teaching Experience
Dr.R.N.Deshmukh	M.Phil., Ph.D.	Associate Professor	Algae & Cytogenetics	32
Dr.P.S.Tiwari	M.Phil. Ph.D.	Associate Professor	Aerobiology & Plant Tissue Culture	21
Dr. D.S. Mahankule	Ph.D.	Associate Professor	Cytomorphology & Cytogenetics	0816
Dr.Mrs.Sharayu S.Deshmukh	Permanent	M.Sc., M.Phil., Ph.D	Asst. Prof	Taxonomy of Angiosperms

0 3. Students strength

Year	Group	Number of Students Admitted
B.Sc. Semester I	CBM	30
	CBZ	45
	CBG	23
	Total	98
B.Sc. Semester III	CBM	29
	CBZ	44
	CBG	23
	Total	96
B.Sc. Semester V	CBM	23
	CBZ	48
	CBG	19
	Total	90
M.Sc. I		
M.Sc. II		
Ph.D		
Value Added Program		

4. Students Performance

A. Result Analysis (Winter 2019)

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
	B.Sc. Semester V	Botany	86	83	96.51

Result of EVEN Semester is not available due to COVID-19

B. Achievements (Medals/Awards/Prizes at University level)- Nil

Sr.No	Name of the Students	Class	Title

5. Students Progression:

- (i) Students' publication in Extra-curricular activity- **Nil**
- (ii) Students' Extension Activity- **Mushroom Cultivation Technique, Plant Tissue Culture technique, Eco-Friendly Rakhi**
- (iii) No. of Students pursuing higher course- **06 (02- Christ Univ., Bangalore + 04 RTMNU)**
- (iv) Students' participation in seminar- **Nil**
- (v) Students' Learning course through online- **B.Sc. Semester III & V in Covid-19 pandemic**

6. Faculty

I. Research Paper Publications

A. Total Number of publications:

- i) International ---RND-02; SDP-01; PST-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- Nil

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

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
Dr. R.N. Deshmukh	1) Science and Technology: Rural Development	27th - 28th Nov. 2019	National Conference	Yes	Yes
	2)Recent Innovation in Agri-Biosciences in the Indian Economy: Challenges & Prospects and Farmers Meet	1 st Feb. 2020	National Conference	Yes	Yes
	3)Environment Sustainability & Teaching Tools in COVID-19 Scenario	19 th & 20 th May 2020.	2 nd International E-Conference	Yes	Yes
Dr. P.S. Tiwari	1) Science and Technology: Rural Development	27th - 28th Nov. 2019	National Conference	Yes	Yes

Dr. S.D. Puranik	1) Recent Innovation in Agri-Biosciences in Strengthening the Indian Economy: Challenges & Prospects and Farmers Meet 2)	1 st Feb. 2020	National Conference	Yes	Yes
Dr. R.H. Mahakhode	1) Science and Technology: Rural Development 2) Solid State Chemistry and Allied Areas (Functional Materials & Life Sciences) 3) Recent Innovation in Agri-Biosciences in Strengthening the Indian Economy: Challenges & Prospects and Farmers Meet 4) Future Tech in Life Sciences 5) Environment Sustainability & Teaching Tools	27th - 28th Nov. 2019 20 th & 21 st Dec. 2019 1 st Feb. 2020 14 th - 15 th Feb. 2020 19 th & 20 th	National Conference National Conference National Conference International Conference 2 nd	Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes

		May 2020.	International		
		1st June 2020.			

	in COVID-19 Scenario 6) Plant Science”		E-Conference International E- Conference	Yes	Yes
Dr.Mrs. Sharayu S.Deshmuk h	Sustainable Development and Importance of Plants in science &Technology. Poster Presentation	National Conference On science &Technology: Rural Developm e nt	National Science collage, Nagpur.	Yes	Yes
Dr.Mrs. Sharayu S.Deshmuk h	Conservation of Wastewater Management & And Their Role in Domestic Plant. Poster Presentation	NCSCA- 2019 &21 dec.2019	National Conference	Yes	Yes
Dr.Mrs. Sharayu S.Deshmuk h	Sustainable development of wild plant <i>Ocimum americanum</i> its uses in herbal medicine and	Recents Innovation s In Agri- Bioscience In Strengthni ng The Indian Economy:	National Conference	Yes	Yes

	cosmetic	challenges and Prospects and Farmer Meet. 1 feb,2020			
Dr.Mrs. Sharayu S.Deshmukh	Conservation & Management of Aromatic Plants Poster Presentation	Climate change, mangroves and sustainable management	International Conference	Yes	Yes
	online	(CCMSM2020)			

D. Awards to Faculty members- Nil

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

Date of MOU	Organization	Purpose/Activity	Student Participate under MOU

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

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9. **Books Published**

Name of the Author	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

11. **Action Plan of the Department**

1. To celebrate World Nature Conservation Day.
2. To plan excursion tour
3. To organize student seminars
4. To organize guest lectures
5. To organize workshop on Mushroom Cultivation
6. To conduct workshop on Plant Tissue Culture
7. To encourage the students in various curricular & Extra-curricular activities
8. To plan skill based course on mushroom Cultivation
9. To encourage staff to participate in various National & International events

12. **Best Practices of the department**

Eco-Friendly Activities (World Conservation Day, Rakhi & Dry holi celebration, Study tours etc.)

13. SWOT Analysis **Strength**

- Qualified, Competent and Experienced Staff.
- Committed non- teaching staff.
- Disciplined and hard working students.
- Well furnished and equipped Department
- Safe and secured environment for co-education
- Democratic functioning
- Various options available with Botany subject.
- Skill based certificate course on Mushroom Cultivation 🏢 Botanical society for students.
- Good results with distinction.
- Seminars, counseling, personality development, guest lectures and Awareness programs are regularly arranged. 🏢 Parent-teacher interaction is encouraged 🏢 ICT facilities available.
- Visit to scientific laboratory and excursion tours to various localities.
- Regular evaluation of students.
- Interdisciplinary activities.
- Financial support to economically weaker students.

Weakness

- Average students seek admission in the subject.
- Moderate employment opportunity.
- Slow economic and industrial growth of Nagpur region.

Opportunity

- Employment potential in Forest department, MIHAN, NMC Nagpur 🏢 Training and placement cell in college.
- Student faculty exchange programme.
- Seminars, workshop, conferences, inter collegiate competition, science exhibition 🏢 Visit to Scientific laboratories and various localities.
- Research guidance facility available to students.
- Inspire camp is regularly organized to motivate the students for basic sciences.

Challenges

- Declining interest of the students in basic science subject.
- Mushrooming of professional courses.



Yours sincerely



Prof. R. N. Deshmukh

HEAD
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CONGRESS NAGAR, NAGPUR