

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

DEPARTMENT OF ZOOLOGY

INTERNAL ACADEMIC AUDIT

2020-2021

1. Vision and Mission of the Department

2. A. Faculty Strength:

Faculty	Recruited	Vacant	Remarks
Regular	04	-	-
CHB	-		
Ad-hoc	-		
Non-teaching	01+2 (dw)	02	Two posts vacant

B. Faculty profile

Name	Highest Qualification	Designation	Specialization	Teaching Experience
Prof. A. D. Bobdey	Ph,D.	Professor and Head	Hydrobiology, Physiology,	30 Yrs.
Prof. Ms. S. V. Ghonmode	Ph,D	Professor	Entomology Hydrobiology	19 Yrs
Dr. Mrs. S. G. Kadu	Ph,D	Assistant Professor	Entomology, Hydrobiology	10 Yrs
Dr. Ms. R. A. Patilbhagat	Ph,D	Assistant Professor	Physiology	02 Yrs

3. Students strength

A. (Summer 2021)

Year	Group	Number of Students Admitted
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B.Sc. Semester I	CBZ - 66	93
	CZM- 27	
B.Sc. Semester III	CBZ - 53	76
	CZM- 23	
B.Sc. Semester V	CBZ - 62	91
	CZM- 29	

B. (Winter 2020)

Year	Group	Number of Students Admitted
B.Sc. Semester II	CBZ - 66	93
	CZM- 27	
B.Sc. Semester IV	CBZ - 53	76
	CZM- 23	
B.Sc. Semester VI	CBZ - 62	91
	CZM- 29	

4. Students Performance

A. Result Analysis (Winter 2020) UG & PG

Programme Code	Programme Name	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
	B.Sc. Sem.-I	93	93	100%
	B.Sc. Sem.-III	76	76	100%
	B.Sc. Sem.-V	91	91	100%

B. Result Analysis (Summer 2021) UG & PG

Programme Code	Programme Name	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
	B.Sc. Sem.-II	93	93	100%
	B.Sc. Sem.-IV	76	76	100%
	B.Sc. Sem.-VI	91	91	100%

C. Achievements

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

Sr.No.	Name of the Students	Class	Title
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Nil

B- Merit Position of PG Students in RTMNU (for PG Dept. only) - NA

5. Students Progression:

Year	No. of students enrolling into higher Education	Program graduated from
	UG to PG	25
	PG to Research	-
	Placement	-
	On campus	-
	Off campus	25

(i) Students' publication in Extracurricular activity

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

(ii) Students' ExtensionActivity

Sr. No.	Name of Student	Participation
1.	Nil	
2.		

(iii) No. of Students pursuing higher course NA

(iv) Students' participation in seminar 20 online due to Covid pandemic

Student of M.Sc. Sem IV Physics participated in conference

Sr. No.	Name of Students	Conference type	Participation as
1.	NA		

(v) Students' Learning course through-on-line -80%

6. Faculty

I. Research Paper Publications

A. Total Number of publications:

i) International ____05____

ii) National _____

B. Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ 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
Fogging system : A boon for Indian farmers	S. V. Ghonmode	Third Concept	2020	UGC care -2	-	2
Study on health issues faced by workers of sericulture industry	S. V. Ghonmode	Vidya Bharti International Interdisciplinary Journal	2020	Web of Science	-	2
Docking of rigid macromolecule using autodok	R.A. PatilBhagar, M.B. Ghormade	JETIR	2020, vol-7, (2),	UGC care listed		
Applications of Biophysics- An overview	R.A. PatilBhagar	JETIR	2020 Vol-7 (8), pp 803-812	UGC care listed		
Impact of zoology in Bio physics – An Impirical Study	R.A. PatilBhagar	JETIR	2020, Vol-7 (9), pp 485-492	UGC care listed		
Sublithal effect of indigenous plant extract on biochemical composition of mid gut of Carpenter ant (camponotus compressus), Hymenoptera formicidae.	S. G. Kadu	Horizon, Advances in zoology and botany HRPUB	2021, Vol-9 (2), pp. 52-59	Scopus		
Physiological and Ecological variation in soil fertility dispensed by ground dwelling genera of ant	S. G. Kadu	IJSTM	2021, Vol-10, (1)	UGC care listed		

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
	Attended two days National E-Conference on “Interdisciplinary Recent Research Trends”				
Dr. A. D. Bobdey	Attended the International webinar on “Emerging trends in Genetic Engeneering”				
	Participated in one day National webinar on “Primary health care and a review of contagious diseases in context of corona pandemic” .				
	National Online Workshop on Operating Techniques of Scientific Instruments in Laboratory(OTSIL-2020)				
	Participated in the National webinar on NAAC “Recent quality enhancement, Initiatives; Changing scenario of Higher Education”				
Dr. Ms. S.V.Ghonmode	2nd International e-Conference on Environment Sustainability & Teaching Tools in Covid-19 Scenario(ICESTT-2020)				

National Seminar on "The Lunar Crater"				
Attended the International webinar on "Emerging trends in Genetic Engeneering"				
Attended two days National E-Conference on "Interdisciplinary Recent Research Trends"				
Participated in International webinar on "Indo-China Relations in Post- Covid-19"				
Participated in one day National webinar on "Primary health care and a review of contagious diseases in context of corona pandemic" .				

	Webinar on New Education Policy Post Covid-19				
	Participated in Webinar on NAAC Awareness Program for Affiliated Colleges				
	Participated in State Level Online workshop on Intellectual Property Rights (IPR-2020)				
	Participated in National level Webinar on ICT for Effective Teaching and Learning				
	Participated in One day National e-conference on “Vicious circle of Contagious diseases: Covid-19 Pandemic”				
	Attended National Webinar on “Learn Latex : To lead the latest”				
	Participated in International E-Conference on ”Emerging Methodologies in Pharma, Environmental and Life Sciences”				
	Participated in the National webinar on NAAC ”Recent quality enhancement, Initiatives; Changing scenario of Higher Education”				
	Participated in 11 th National webinar on ”Use of social media for gross enrollment, online				
Dr. Mrs. S. G. Kadu					

D. Awards to Faculty members

7. MoUs signed with institutions of national, international importance, other universities, industries, corporatehouses etc. during the year

Date of MOU	Organization	Purpose/Activity	Student Participate under MOU

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

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

9. Books Published

	Book		Book Edited
	Title	ISBN and Date	Chapter
1. Dr. Mrs R.A. Patilbhagat (Chapter in Book)	Current updates in Life Sciences	9788192362182 pp.675-682 Dec.- 2020	E- Survey to study the site selection for diatoms sample, c leaning methods and staining techniques of diatoms
2. Prof. S.V.Ghonmode (Book)	Animal Physiology	978-93-88-469809, Nov. 2020	

10. Research Guidance by Faculty during the year

Name of the guide	Ph.D

	Awarded	Submitted	Registered
NIL			

11. Alumni engagement

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

NIL

b. alumni contribution during the year- NIL

12. Action Plan of the Department- Searching prominent alumni

13. Best Practices of the department – Organization of awareness and slogan competitions

14. SWOT Analysis

Strength

- Qualified, Competent and Experienced Staff.
- Encouraging Principal and Management
- Committed non- teaching staff.
- Disciplined and hard working students.
- Well furnished and equipped Department
- Sophisticated laboratory equipments.
- Parent teacher interaction is encouraging
- Intercom and internet facilities available.
- Visit to scientific laboratory and excursion tours to various localities.
- Departmental library.
- Regular evaluation of students.
- Modern teaching aids.

Weakness

- Average students seek admission in the subject.
- Less employment opportunity.
- Lack of job oriented competitive exam syllabus.
- Slow economic and industrial growth of Nagpur region.

Opportunities

- Remedial teaching is provided to slow learners and economically weak students.

- Employment potential in Forest department,, NMC Nagpur etc.
- 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.

Challenges

- Declining interest of the students in basic science subject.
- Mushrooming of Professional colleges.

DATE- 10/08/2021



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