

Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR

DEPARTMENT OF ZOOLOGY
INTERNAL ACADEMIC AUDIT

2019-2020

Vision and Mission of the Department.

• **Vision:**

To be one of the excellent departments in the state animal science learning, teaching and research.

• **Mission**

- To impart to the students the contemporary advancements in life sciences.
- To impart a global perspective and such skills among students that benefit humanity.

1. A. Faculty Strength:

Faculty	Recruited	Vacant	Remarks
Regular	4	Nil	
CHB	Nil	1	
Adhoc	Nil	Nil	
Non-teaching	4	Nil	

B. Faculty profile

Name	Highest Qualification	Designation	Specialization	Teaching Experience
Dr. A.D.Bobdey	Ph.D.	Professor & Head	Reproductive physiology	28 Years
Dr. Ms. S.V.Ghonmode		Professor	Entomology	16 Years
Dr. Mrs. S.G. Kadu		Asstt. professor	Entomology	8 Years
Dr. Ms. S.S.Deshmukh		Asstt. Professor	Entomology	8 Years

2. Students strength

Year	Group	Number of Students Admitted
B.Sc. Semester I	CBZ - 36	38
	CZM - 48	49
	Total - 84	
B.Sc. Semester III	CBZ- 24, CZM - 44	24, 44
	Total - 68	
B.Sc.Semester V	CBZ - 44, CZM - 30	44, 30
	Total - 74	
M.Sc. I	NA	
M.Sc. II		
Ph.D		
Value Added Program		

3. 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. Sem- I	Zoology	64	53	82%
	B.Sc. Sem- III	Zoology	61	55	90.2%
	B.Sc. Sem- V	Zoology	75	72	96%

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

Sr.No	Name of the Students	Class	Title
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	Nil		
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4. Students Progression:

(i) Students' publication in Extracurricular activity

Nil

(ii) Students' Extension Activity

-Nutrition Week Programme

~~-Sports Day Programme~~

(iii) No. of Students pursuing higher course

No data available

(iv) Students' participation in seminar

15 students participated in departmental seminars

(v) Students' Learning course throughonline

5. Faculty

I. Research Paper Publications

A. Total Number of publications: 11

i) International 08

ii) National 03

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
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Fresh water Fish species from Wainganga River of Maharashtra, India.	S.S.Deshmukh & A.D.Bobdey	Purakals Jr. (UGC care listed)	2020	-	-	-
Study of Hematological Parameter After leeches Treatment	S. S. Deshmukh	Mukt shabd Jr. (UGC care listed)	2020	-	-	-
Assessment of water quality using some physico-chemical parameters from Zilpi Lake, near Hingna city, District Nagpur, Maharashtra. International Journal of Researches in Biosciences, Agriculture & Technology.e-ISSN No. (Online) 2347-517X Issue (VII), Vol. I Page No. 53-57, Jan. 2019.	S.V.Ghonmode	International Journal of Researches in Biosciences, Agriculture & Technology	Jan-2019			
Development and Upliftment of 'Untouchable' Castes in Sericulture Industry. Apoorv Knowledge International Journal of Multidisciplinary Research. ISSN-2348-2702 Vol.-VII, Issue-IV, Page No. 14-16. December 2019.	S.V.Ghonmode	Apoorv Knowledge International Journal of Multidisciplinary	2019	-	-	-
Application of sericulture waste by the farmers to ameliorate crop yield. 'Our Heritage' UGC CARE APPROVED International Indexed & Referred Journal. Indexed with crossref and DOI. ISSN No. 0474-9030. Vol-68-Issue-1, Page No.-91-95, January 2020.	S.V.Ghonmode	International Indexed & Referred Journal. Indexed with crossref and DOI	2020	-	-	-
Exaltation of women in sericulture Industry and growth of community Vidyawarta Peer Reviewed International Referred Research Journal ISSN No.: 2319 9318 Special Issue. Page No.-33-35 February, 2020	S.V.Ghonmode	Vidyawarta Peer Reviewed International Referred Research Journal	2020	-	-	-
Effect of high temperature on silk production and its impact on livelihood of sericulture farmers in Maharashtra. Vidyawarta International Interdisciplinary Multilingual Referred Journal ISSN No.: 2319 9318 Issue-33. Vol.-05. Page No.-21-24 Jan. to Mar., 2020.	S.V.Ghonmode	Interdisciplinary Multilingual Referred Journal	2020	-	-	-
Fogging system:A boon for Indian Farmers? Third Concept a UGC CARE LISTED JOURNAL,ISSN 0970-7247, Vol. 34, No. 400-401, Page No. 44-46, June-July 2020.	S.V.Ghonmode	Third Concept a (UGC CARE LISTED JOURNAL)		-	-	-
S. G. Kadu, 2020. Influence of Ethanol plant extract on household pest, carpenter ant, <i>Camponotus wasmanni</i> (Hymenoptera-formicidae). <i>Int. Jou. UGC Listed, Ajanta, Eng.-Part-I, Vol.9, Iss-3, Jul-sept. PP- 98-102.</i>	S. G. Kadu,	Int. Jour.Ajanta (UGC listed)	2020	-	-	-
S. G. Kadu, 2020. Effect of Land Degradation on Soil Fertility and Ant Biodiversity In Nagpur District. <i>Int. Jou. of Grid and Distributed Computing. Vol. 13, No. 1ss, (2020), pp. 170-176.</i>	S. G. Kadu,	Int. Jour. Grid and Distributed Computing (UGC listed)	2020	-	-	-
S. G. Kadu, 2020. Effect of Ground dwelling ant <i>Pheidole megacephala</i> on induced soil fertility in Nagpur city. <i>Int. Jou. UGC Listed, Ajanta, Eng.-Part-II,Vol-9, Iss.-3, Jul-Sept.PP-103-109.</i>	S. G. Kadu,	Int. Jour.Ajanta (UGC listed)	2020	-	-	-

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

RESEARCH PAPER PRESENTED IN CONFERENCES-

Dr. Ms. S. V. Ghonmode

1. FEB 2019 Application of the silk sericin coating on polyester fabric from the silkgland of silkworm in wound healing Diversity of Environmental allergies and its threat to human health. Taywade College, MahadullaKoradi. 09/02/2019. (NATIONAL)
2. MAR 2019 Sustainable sanitation for smart cities Redefining Environmental Governance for Smart Cities PGTD Hindi, RTM, Nagpur University, Nagpur in association with VidyapeethShikshanManch. 02/03/2019. (INTERNATIONAL)
3. NOV 2019 Fogging system: A boon for Indian farmers to improve a good cocoon yield in sericulture industry. National Conference on Sci. & Technology: Rural development (Sustainable development through Sci. & Tech.) Shivaji Science College, Nagpur (Indian Science Congress Association, Kolkata). 27-28 Nov. 2019. (NATIONAL)
4. FEB 2020 Study on Health Issues faces by workers of Sericulture Industry & Safety measures at work place Interdisciplinary National Conference on Recent Innovations in Agri-Biosciences in Strengthening the Indian Economy: Challenges & Prospects & Farmers Meet. Dr. Ambedkar College, Nagpur in association with ICAR-Central Institute for Cotton Research (CICR), Nagpur. 01st Feb. 2020. (INTERNATIONAL)

CONFERENCE ATTENDED :

Dr. Ms. S.V.Ghonmode

1. FEB 2019 Attended National Seminar on Diversity of Environmental Allergens and its Threat to Human Health organised by Taywade College, Mahadulla-Koradi.
2. MAR 2019 Attended International conference on Redefining Environmental Governance for Smart City organised by Vidyapeeth ShikshanManch, Nagpur.

3. MAY 2019 Attended 4th International conference on Science, Agriculture and Technology for Society Theme: Recent Advances in Science, Technology and Humanities organised by East West Institute of Technology, Bengaluru.
4. NOV 2019 Attended National Conference on Science and Technology: Rural Development organised by Shivaji Science College, Nagpur and ISCA, Amravati Chapter.
5. 2019 Participated in INSPIRE science awareness camp organised by Shivaji Science College, Nagpur.
5. DEC 2019 Attended three days Workshop on Gender studies and sensitization organised by Ambedkar College and Interdisciplinary Policy Research and Action (IPRA), Nagpur.
6. FEB 2020 Attended Interdisciplinary National Conference on Recent Innovations in Agri-Biosciences in Strengthening the Indian Economy: Challenges and Prospects and farmers meet organised by Ambedkar College, Nagpur.
7. JAN 2020 Attended Inter-Disciplinary National Seminar on Sustainable Development of Natural Resources: Challenges and Solutions organised by VMV Commerce, JMT ARTS and JJP SCIENCE College, Nagpur along with VishwaYuwak Kendra, Delhi.
8. FEB 2020 Attended one Day Multidisciplinary National Seminar on Emerging Trends and Issues in Social Sciences organised by KanyaMahavidhyalaya, Miraj.

Dr. Ms. S.S. Deshmukh

1. FEB 2019 Attended National Seminar on Diversity of Environmental Allergens and its Threat to Human Health organised by Taywade College, Mahadulla-Koradi.
2. MAR 2019 Attended International conference on Redefining Environmental Governance for Smart City organised by Vidyapeeth ShikshanManch, Nagpur.
3. Participated in Online Quiz on Research Methodology organized by Priyadarshini College of Engineering on 12/5/2020
4. Participated in International e-conference on "Sustainable Development: A Biological And Socioeconomical Perspective" on 26th -27th june,2020.
5. Participated in 11thNational Conference on solid state chemistry and Allied Area (NCSCA-2019)
6. Participated in National Seminar on Diversity of Environmental Allergens and Its Threat to human healthon 9th Februrary,2019

7. Participated in National Seminar on sustainable development of natural resources: challenges and solution.

Dr. Mrs. S.G.Kadu

1. RIABSIECP-2020, on dated 1st Feb. 2020. Organized by Ambedkar college, Nagpur.
2. NCSCA-2019 on dated 20-21 Dec. 2019. Functional Material and life sciences. Organized by Porwal college, Kamptee, Nagpur.
3. STAMI, International Web Conference on Science, Engineering & Technology (IWCSET-2020) held during May 15-16, 2020.
4. Bhalerao Science College, Saoner, MS, International E. conf. on dates 15 June 2020.
5. Two days Interdisciplinary International e-Conference on Impact of COVID-19 on Various Areas of Global Economy, Science & Humanities 24 & 25 June, 2020, Chintamani College, Pombhurna, Gondwana University.
6. Int. conf. organized International E- Conference on “ENVIRONMENT SUSTAINABILITY & TEACHING TOOLS IN COVID 19 SCENARIO” by Jagdamba college of eng. on dated 19-20 May 2020.

E. CONFERENCES ATTENDED :

Dr. Mrs. S.V.Ghonmode

Title of Conference/Seminar/webinars/quiz	Organized by	Whether International/National/State/Regional/College/University Level	Date/Year
Online COVID-19 Awareness program	GH Rasoni College of Engineering, Nagpur	National	14 th April 2020
National Online Workshop on Operating Techniques of Scientific Instruments in Laboratory(OTSIL-2020)	Sri. R.L.T. College of Science, Akola along with IQAC	National	11 th -15 th May 2020
Online Quiz on Research Methodology	PriyadarshiniBhagwati College of Engineering, Nagpur and Research & Development Cell under the Initiative of IQAC	National	12 th May 2020
Online Quiz on e-learning-Scenario in India	Gurunanak Institute of Engineering & Technology, Nagpur	National	14 th May 2020
Online National COVID-19 Awareness Quiz	Bhalerao Science College, Dept. of Zoology, Saoner.	National	15 th May 2020
Online National COVID-19 Competition	ShriNarendraTidke College of Arts and Commerce, Ramtek, Nagpur	National	16 th May 2020

COVID-19 Awareness Quiz Competition under India Fights Corona Covid-19 Campaign.	Shri R.R. Lahoti Science College, Morshi.	National	16 th May 2020
Participated in 2 nd International e-Conference on Environment Sustainability & Teaching Tools in Covid-19 Scenario(ICESTT-2020)	Jagdambha College of Engineering & Technology, Yavatmal, Maharashtra	International	19 th - 20 th May 2020
Participated in Webinar on New Education Policy Post Covid-19	ShriShivaji Science College, Nagpur along with IQAC	National Webinar	20 th May 2020
Participated in National Quiz on International Day for Biological Diversity 2020	ShankarlalAgarwal Science College, Gondia.	National	22 nd May 2020
Participated in Webinar on NAAC Awareness Program for Affiliated Colleges	ShriShivaji Arts & Commerce College, Amravatalong with IQAC	National Webinar	22 nd May 2020
Participated in :Online Quiz: "Java Programming Concepts Beginner Level"	School of Computer Sciences and Engineering, Nashik	National	28 th May 2020
Participated in :Online Quiz: "Java Programming Concepts Intermediate Level"	School of Computer Sciences and Engineering, Nashik	National	28 th May 2020
Participated in :Online Quiz: "Java Programming Concepts Expert Level"	School of Computer Sciences and Engineering, Nashik	National	28 th May 2020
Participated in State Level Online workshop on Intellectual Property Rights (IPR-2020)	Sri. R.L.T. College of Science, Akola along with IQAC	State Level	May 2020
Online Quiz Covid-19 Awareness Quiz.	St. Vincent Palloti College of Engineering and Technology, Nagpur.	National	31 st May 2020
Online Quiz on Western IT Quiz Covid-19 Awareness Quiz.	Western College of Commerce and Business Management, Mumbai.	National	June 2020
Completed MOOC's Awareness Programme	Indira Gandhi Kala Mahavidhyalaya, Ralegaon, Dist.Yavatmal along with IQAC	National	3 rd June 2020
Participated in National level Webinar on ICT for Effective Teaching and Learning	Shri R.R. Lahoti Science College, Morshi. IQAC and YCMOU Unit.	National	2 nd June 2020
Participated in two days Online Faculty Development Program	Yashoda Arts and Commerce College Nagpur in collaboration with Principal ArunraoKalodeMahavidhyalaya, Nagpur and Womens College of Arts and Commerce Nagpur..	National	5 th and 6 th June 2020
Participated in One day National e-conference on "Vicious circle of Contagious diseases: Covid-19 Pandemic"	SmtRadhabaiSarda Arts, Commerce and Science College, AnjangaonSurji, Dist. Amravati.	National	17 th June 2020

Attended National Webinar on "Learn Latex : To lead the latest"	Shri R.R. Lahoti Science College, Morshi. IQAC	National	18 th June 2020
Participated in International E-Conference on "Emerging Methodologies in Pharma, Environmental and Life Sciences"	Dept. of Botony, Zoology and Biotechnology, Government of Maharashtra, Ismail Yusuf College of Arts, Science and Commerce, Mumbai	International	18 th -19 th June 2020
Completed Online National Level Quiz Competition on "Legal awareness"	Dept. of Law, V.S.S.D. College, Nawabganj, Kanpur.	National	19 th June 2020
Participated in the National webinar on NAAC "Recent quality enhancement, Initiatives; Changing scenario of Higher Education"	IQAC of Mungsaji Maharaj Mahavidhyalaya, Darwaha in collaboration with IQAC of Sant Gadge Baba Amravati University, Amravati.	National	24 th June 2020
Participated in 11 th National webinar on "Use of social media for gross enrollment, online affiliation, admission process with DU portal of MKCL"	Smt. D.M.C. College of Commerce and Science College, Silvassa, IQAC in collaboration with MKCL, Pune.	National	26 th June 2020
Participated in one day National Seminar on "The Lonar Crater"	Dept. of Zoology, Late Ku. Durga K. Banmeru Science College, Lonar, Dist. Buldhana.	National	27 th June 2020
Participated in "Spit-free India movement" to prevent the spread of Covid-19.	Alamelu Charitable Foundation and caring friends		
Attended the International webinar on "Emerging trends in Genetic Engineering"	Chaitanya (Deemed to be University), Dept. of Biochemistry/Biotechnology/Microbiology	International	30 th June 2020
Attended two days National E-Conference on "Interdisciplinary Resent Research Trends"	Shri R.R. Lahoti Science College, Morshi.	National	3 rd and 4 th July 2020
Participated in one day National webinar on "Primary health care and a review of contagious diseases in context of corona pandemic" .	Mahatma Jyotiba Fule Commerce, Science and Vitthalrao Raut Arts College, Bhatkuli, Department of Zoology.	National	12 th July 2020.
Participated in International webinar on "Indo-China Relations in Post- Covid-19"	Dr. Ambedkar College Dikshabhoomi, Nagpur.	International	17 th July 2020

Dr. Mrs. S. G. Kadu-
***One Week FDP course**

1. **One Week STTP on Teaching and learning pedagogy** -Certificate No: AAG0293, on 18 May, 2020 to 22 May, 2020 organized by REST Society for Research International (RSRI), Krishnagiri, Tamil Nadu, India.

2. R.L.T.Science college, Lahoti, Akola, MS. Organized one week E workshop on E certificate on Renewable Energy-Demand of future from 25 May to 30 May 2020.

3. One Week Faculty Development Programme on "Open Source Tools for Research" from June 08 - June 14, 2020. Teaching Learning Centre, University of Delhi Ramanujan college. Sponsored by HRDC, Delhi.

D. Awards to Faculty members
Nil

6. 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
Nil			

7. 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				

8. Books Published

Name of the Author	Book		Book Edited
	Title	ISBN and Date	Chapter
Dr. A.D.Bobdey	ANIMAL PHYSIOLOGY 2ND EDN.	978-93-88465-03-8	SINGLE AUTHORED BOOK
Dr. A. D.	ESSENTIALS OF	978-93-88465-	SINGLE AUTHORED

Bobdey	BIOTECHNOLOGY FOR UG AND PG STUDENTS 2ND EDN.	02-1	BOOK

9. Research Guidance by Faculty during the year

Name of the guide	Ph.D		
	Awarded	Submitted	Registered
NIL			

10. Action Plan of the Department

To start the UGC funded B.Voc. Degree Courses in -

- 1) Clinical Nutrition and Dietetics and
- 2) Medical Laboratory Technology and Molecular Diagnostics.

11. Best Practices of the department

1. Started DLLC RTMNU Skill base Certificate course in Env. Conservation and Management.

12. SWOT Analysis

Strength -

1. Qualified staff
2. Well equipped laboratories

Weakness -

1. Mushrooming of tuition classes in the area.
2. Requirement of space in the department to start PG courses.

@bobdey
Prof. Dr. Bobdey
Head
Dept. of Zoology