

S.S.E.S.AMT'S SCIENCE COLLEGE, NAGPUR

Report of Internal Academic Audit

Name of the Department: MICROBIOLOGY

session 2017-18

Period of assessment: 2017-2018

1. Details about Academic Programmes:

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
UG	01	Nil	Nil	Nil
PG	01	Nil	01	Nil
Ph. D.	01	Nil	01	Nil
PG Diploma	Nil	Nil	Nil	Nil
Advanced Diploma	Nil	Nil	Nil	Nil
Diploma	01	Nil	01	01
Certificate	Nil	Nil	Nil	Nil
Others	Nil	Nil	Nil	Nil
Total	04	Nil	03	01

Interdisciplinary	Nil	Nil	Nil	Nil
Innovative	Nil	Nil	Nil	Nil

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

Name	Whether Permanent /Adhoc/ Contributor	Qualification	Designation	Specialization	No. of Years of Experience	Whether supervisor	No. of Ph.D. awarded / Submitted / Ongoing
Dr.C.J Chandekar	Permanent	M.Sc Ph.D	Associate Professor	NA	29	Yes	02
Mrs. M.J Madhugiri	Permanent	M.Sc .NET	Associate Professor	NA	29	No	-
Ms. Vaidehi Chandorkar	Ad-hoc	M.Sc.	P.G	NA	12	No	-
Dr. Pranita A. Gulhane	Ad-hoc	M.Sc., Ph.D.	P.G	NA	13	No	-
Ms. Anjali A. Sharma	Ad-hoc	M.Sc., NET, Ph.D (Registered).	P.G	NA	07	No	-
Mrs. Vaishali Fulzele	Contributory	M.Sc., NET, Ph.D. (Registered)	P.G	NA	14	No	-

Mr. Mayur Rohi	Contributory	M.Sc.	P.G	NA	04	No	-
Ms. Namrata Shukla	Contributory	M.Sc.	P.G	NA	03	No	-
Diksha Zade	Contributory	M.Sc	P.G	NA	01	No	-
Dr. Shilpa P. Deshmukh	Ad-hoc	M.Sc., Ph.D.	U. G.	NA	11.5	No	-
Mrs. Savita Wankhade	Ad-hoc	M.Sc.	U. G.	NA	11.5	No	-
Ms. Kahkashan Bee	Ad-hoc	M.Sc., SET	U. G.	NA	5	No	-
Ms. Shikha Soni	Ad-hoc	M.Sc., NET	U. G.	NA	2	No	-
Mrs. Sadiya Deshmukh	Ad-hoc	M.Sc.(Micro & Chem), SET	U. G.	NA	2	No	-
Mrs. Priti Rajput	Contributory	M.Sc.	U. G.	NA		No	-
Ms. Kiran Chavan	Contributory	M.Sc.	U. G.	NA		No	-
Ms. Apoorva Paithankar	Contributory	M.Sc	U. G.	NA	2	No	-

3. No. of Guest and Visiting faculty

Nil

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4. Faculty participation in conferences/seminar/workshop and symposia during the assessment period:

Name of the Faculty	Title of Conference/ Seminar/ workshop Attended	Period	Level International/ National/ State /University/College	Whether Presented papers	Whether abstract published in Sovinor/Abstract Book	Whether papers published in proceeding with ISBN No if any	Whether served as experts - chairpersons or resource persons
Dr. C.J. Chandekar	"Recent trends in Science and Technology Sustainable Development Through Scientific Approach", organized by Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur.	12 th to 14 th July 2017	International	yes	yes	-	-

Mrs. M.J. Madhugiri	"Recent trends in Science and Technology Sustainable Development Through Scientific Approach", organized by Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur.	12 th to 14 th July 2017	International	-	-	-	-
	Asia Pacific Quality Network Annual Conference 2018 on capacity Building for Next generation Quality assurance in Higher Education	23 rd to 24 th March 2018	International	-	-	-	-
	Emerging microbes and infection & its impact on Public health	9 th February 2018	International	-	-	-	-
Dr. Pranita Gulhane	"Recent trends in Science and Technology Sustainable Development Through Scientific Approach", organized by Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur.	12 th to 14 th July 2017	International	Poster presentation	Yes	Yes 2347-517X	-
	Emerging Microbes and Infection and its impact on Public Health, organized by CHIMS, Nagpur.	9 th Feb, 2018	International	-	-	-	-
	"Writing Manuscripts, Research Proposals and Extending Consultancies", Organised by Ambe Durga Education Society's Dadasaheb Balpande College of Pharmacy, Nagpur.	24 th Feb 2017	National	-	-	-	-
	"Application of forensic Sciences, Cyber security & Forensic Accounting for prevention & Investigation of crime" on organised by Collaboration with Gujarat Forensic sciences University & Kamla Nehru Mahavidyalaya.	28 th March 2018	National	-	-	-	-
Vaidehi Chandorkar	"Recent trends in Science and Technology Sustainable Development Through Scientific Approach", organized by Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur.	12 th to 14 th July 2017	International	Paper presentation	Yes	Yes 2347-517X	-
	Emerging Microbes and Infection and its impact on Public Health, organized by CHIMS, Nagpur.	9 th Feb, 2018	International	-	-	-	-
	"Writing Manuscripts, Research Proposals and Extending Consultancies", Organised by Ambe	24 th Feb 2017	National	-	-	-	-

	Durga Education Society's Dadasaheb Balpande College of Pharmacy, Nagpur. "Application of forensic Sciences, Cyber security & Forensic Accounting for prevention & Investigation of crime" on organised by Collaboration with Gujarat Forensic sciences University & Kamla Nehru Mahavidyalaya.	28 th March 2018	National	-			
Anjali Sharma	"Recent trends in Science and Technology Sustainable Development Through Scientific Approach", organized by Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur. Emerging Microbes and Infection and its impact on Public Health, organized by CHIMS, Nagpur. "Writing Manuscripts, Research Proposals and Extending Consultancies", Organised by Ambe Durga Education Society's Dadasaheb Balpande College of Pharmacy, Nagpur.	12 th to 14 th July 2017	International	-			
		9 th Feb. 2018	International	-			
		24 th Feb 2017	National	-			
Vaishali Fulzele	National seminar on wetlands for future security, Dr Ambedkar College, Nagpur, OCW, Mah. Forest department	2 nd Feb 2017	National				

	Durga Education Society's Dadasaheb Balpande College of Pharmacy, Nagpur. "Application of forensic Sciences, Cyber security & Forensic Accounting for prevention & Investigation of crime" on organised by Collaboration with Gujarat Forensic sciences University & Kamla Nehru Mahavidyalaya.	28 th March 2018	National	-			
Anjali Sharma	"Recent trends in Science and Technology Sustainable Development Through Scientific Approach".organized by Shivaji Education Society Amravati's Science College.Congress Nagar, Nagpur. Emerging Microbes and Infection and its impact on Public Health, organized by CHMS, Nagpur. "Writing Manuscripts, Research Proposals and Extending Consultancies". Organised by Ambe Durga Education Society's Dadasaheb Balpande College of Pharmacy, Nagpur.	12 th to 14 th July 2017	International	-			
		9 th Feb, 2018	International	-			
		24 th Feb 2017	National	-			
Vaishali Fulzele	National seminar on wetlands for future security. DrAmbedkar College, Nagpur. OCW .Mah.Forest department	2 nd Feb 2017	National				

Mayur Rohi	<p>“Recent trends in Science and Technology Sustainable Development Through Scientific Approach”, organized by Shivaji Education Society Amravati’s Science College, Congress Nagar, Nagpur.</p> <p>Emerging Microbes and Infection and its impact on Public Health, organized by CHMS, Nagpur.</p> <p>“Writing Manuscripts, Research Proposals and Extending Consultancies”, Organised by Ambe Durga Education Society’s Dadasaheb Balpande College of Pharmacy, Nagpur.</p> <p>“Application of forensic Sciences, Cyber security & Forensic Accounting for prevention & Investigation of crime” on organised by Collaboration with Gujarat Forensic sciences University & Kamla Nehru Mahavidyalaya.</p>	<p>12th to 14th July 2017</p> <p>9th Feb, 2018</p> <p>24th Feb 2017</p> <p>28th March 2018</p>	<p>International</p> <p>International</p> <p>National</p> <p>National</p>	-	-	-
Namrata Shukla	<p>“Recent trends in Science and Technology Sustainable Development Through Scientific Approach”, organized by Shivaji Education Society Amravati’s Science College, Congress Nagar, Nagpur.</p> <p>Emerging Microbes and Infection and its impact on Public Health, organized by CHMS, Nagpur.</p> <p>“Writing Manuscripts, Research Proposals and Extending Consultancies”, Organised by Ambe Durga Education Society’s Dadasaheb Balpande College of Pharmacy, Nagpur.</p> <p>“Application of forensic Sciences, Cyber security & Forensic Accounting for prevention & Investigation of crime” on organised by Collaboration with Gujarat Forensic sciences University & Kamla Nehru Mahavidyalaya.</p>	<p>12th to 14th July 2017</p> <p>9th Feb, 2018</p> <p>24th Feb 2017</p> <p>28th March 2018</p>	<p>International</p> <p>International</p> <p>National</p> <p>National</p>	<p>Paper presentation</p> <p>-</p> <p>-</p> <p>-</p>	<p>Yes</p>	<p>Yes 2347- 517X</p>

Diksha Zade	Emerging Microbes and Infection and its impact on Public Health, organized by CHMS, Nagpur.	9 th Feb, 2018	International				
	"Writing Manuscripts, Research Proposals and Extending Consultancies". Organised by Ambe Durga Education Society's Dadasaheb Balpande College of Pharmacy, Nagpur.	24 th Feb 2017	National				
	"Application of forensic Sciences, Cyber security & Forensic Accounting for prevention & Investigation of crime" on organised by Collaboration with Gujarat Forensic sciences University & Kamla Nehru Mahavidyalaya	28 th March 2018	National				
Dr. Shilpa P. Deshmukh	Recent trends in Science and Technology Sustainable Development Through Scientific Approach".organized by Shivaji Education Society Amravati's Science College.Congress Nagar, Nagpur.	12 th to 14 th July 2017	International				
Mrs. Savita Wankhade	"Recent trends in Science and Technology Sustainable Development Through Scientific Approach".organized by Shivaji Education Society Amravati's Science College.Congress Nagar, Nagpur.	12 th to 14 th July 2017	International				
	Emerging Microbes and Infection and its impact on Public Health, organized by CHMS, Nagpur.	9 th Feb, 2018	International				
	"Writing Manuscripts, Research Proposals and Extending Consultancies". Organised by Ambe Durga Education Society's Dadasaheb Balpande College of Pharmacy, Nagpur.	24 th Feb 2017	National				
	"Application of forensic Sciences, Cyber security & Forensic Accounting for prevention & Investigation of crime" on organised by Collaboration with Gujarat Forensic sciences University & Kamla Nehru Mahavidyalaya.	28 th March 2018	National				

8. Details of Administrative and Technical staff

Name of the staff	Designation	Permanent /Temporary
Mr. D.S Kaurati	Lab Attendant	Permanent
Mr. A.W Konde	Lab Attendant	Permanent
Mr. Behere	Lab Attendant	Temporary
Mr. A.U Gawande	Lab Attendant	Temporary

9. Research funds sanctioned and received from various funding agencies, industry and other organizations :

Name of the Faculty	Major/ Minor/ Interdisciplinary Industry sponsored/ Any other (Specify)	Duration Year	Name of the funding Agency	Sanction Letter No /Date	Total grant sanctioned	Received	Completed/ Ongoing	Whether New Proposal Submitted
Dr. A.V Gomashe	Major	1 st April 2015 to 201	Board of research in nuclear sciences (BRNS).	-	23,33,300/-	6,05,825/-	Ongoing	No

10. Details on research publications

Name of the Faculty	Peer Review Journals			Non-Peer Review Journals			Conference proceedings			e-Journals		
	International	National	Other	International	National	Other	International	National	Other	International	National	Other
Dr. C.J Chandekar							01					
Mrs. M.J. Madhugiri												
Dr. Pranita Gulhane	05						01					
Vaidehi Chandorkar	04						01					
Anjali Sharma	03						01					
Vaishali Fulzele												
Mayur Rohi	02						01					
Namrata Shukla	04						01					

Diksha Zade	01												
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11. No of research publications listed in International Database (SCOPUS / Google Scholar)

Name of the Faculty	No of research publications in SCOPUS	No of research publications in Google Scholar	Citations	h-index	i10-index
Dr. C.J. Chandekar			31	3	1
Mrs. M.J. Madhugiri			13	3	-
Dr. Pranita Gulhane		05	64	09	08
Vaidehi Chandorkar			2	1	-
Anjali Sharma		04	04	02	00
Vaishali Fulzele					
Mayur Rohi		01	-	-	-
Namrata Shukla		04	-	-	-
Diksha Zade		01	-	-	-
Dr. Shilpa P. Deshmukh		16	1		1
Mrs. Savita Wankhade			2	1	-
Ms. Kahkashan Bee					
Ms. Shikha Soni					
Mrs. Sadiya Deshmukh					

12. Details on research publications listed in International Database (SCOPUS)

Name of the Faculty	Co-Authors	Short Title	Journal	Year of Publication	Imp. Factor	SNIP	IPP	SJR	h-index

13. Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

14. Details of publication of Chapter in Book/ Book Edited/ Book Published by the faculty

Name of the Faculty	Chapter in Book	Book Edited	Book Published			Year of Publication
			Title of the Book Published	ISBN/ISSN	Publisher	

15. Areas of consultancy and Revenue generated through consultancy

Areas of Consultancy	Revenue Generated through Consultancy Before the assessment period	Revenue Generated through Consultancy during the assessment period

16. Conferences/Seminar /workshop/Guest Lect. organized by the Department

Sr. No	Conferences/Seminar/ workshop/Guest Lect.	International/ National / State/ University/ College Level	Title /Topic	Period	Sponsoring Agencies
1.					

17. No. of collaborations/ Linkages:

18. Total budget for research for current year in lakhs: 6.05,825 /-

From Funding agency

BRNS

From Management of College

NIL

19. No. of research awards/ recognitions of faculty and research fellows of the institute

Name of the Faculty	Details of the awards/ recognitions	International / National / State / University/ Dist/ College Level	Year

20. No. of Ph.D. awarded by faculty from the Institution

Nil

21. No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF

01

SRF

00

Project Fellows

00

Any other

00

22. Details of increase in infrastructure facilities

Facilities	Existing		Newly purchased during A.P.		Source of Fund	Total
	No	Value of the equipment (Rs. in Lakhs)	No	Value of the equipment purchased (Rs. in Lakhs)		
No. of important equipments (cost <1 lakh)						

15. Areas of consultancy and Revenue generated through consultancy

Areas of Consultancy	Revenue Generated through Consultancy Before the assessment period	Revenue Generated through Consultancy during the assessment period

16. Conferences/Seminar /workshop/Guest Lect. organized by the Department

Sr. No	Conferences/Seminar/ workshop/Guest Lect.	International/ National / State/ University/ College Level	Title /Topic	Period	Sponsoring Agencies
1.					

17. No. of collaborations/ Linkages:

18. Total budget for research for current year in lakhs: 6,05,825 /-

From Funding agency

BRNS

From Management of College

NIL.

19. No. of research awards/ recognitions of faculty and research fellows of the institute

Name of the Faculty	Details of the awards/ recognitions	International / National / State / University/ Dist/ College Level	Year

20. No. of Ph.D. awarded by faculty from the Institution

Nil

21. No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF

01

SRF

00

Project Fellows

00

Any other

00

22. Details of increase in infrastructure facilities

Facilities	Existing		Newly purchased during A.P.		Source of Fund	Total
	No	Value of the equipment (Rs. in Lakhs)	No	Value of the equipment purchased (Rs. in Lakhs)		
No. of important equipments (cost <1 lakh)						

No. of important equipments (cost \geq 1 lakh)						
Others	Nil	Nil	Nil	Nil	Nil	

23. Total Number of students

UG	PG	Ph. D.	Others
422	44	03	nil

24. No. of students qualified in these examinations

NET	<input type="text" value="nil"/>	SET/SLET	<input type="text" value="nil"/>	GATE	<input type="text" value="nil"/>	CAT	<input type="text" value="nil"/>
IAS/IPS etc	<input type="text" value="nil"/>	State PSC	<input type="text" value="nil"/>	UPSC	<input type="text" value="nil"/>	Others	<input type="text" value="nil"/>

25. Faculty as members in a) National committees b) International Committees c) Editorial Boards Nil

Name of the Faculty	Whether members in National committees if yes, give details with period	Whether members in International Committees if yes, give details with period	Whether members in Editorial Boards if yes, give details with period	Whether served as experts, chairpersons or resource persons if yes, give details with period
1.	Dr. C. J. Chandekar	----	Associate editor of 'Journal of Innovation in Sciences' (JIS)	----

26. Student projects: 22 projects as a Part of their M.Sc curriculum.

27. Awards / Recognitions received by faculty and students :

Name of the Faculty/ students	Details of the awards/ recognitions	International / National / State / University/ Dist/ College Level	Year
Student: Namrata Shukla	Second Merit Position	RTMNU, Nagpur	2017
Student: Sampurna Nandy	Principal Dr. Chandraprakash Bhagwantrao Pawar Cash Prize and Prof. V.G. Hatwalne Memorial Gold Medal	RTMNU, Nagpur	2018
Student: Mamta Marar	Second Merit Position	RTMNU, Nagpur	2018

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

Sr No	Name	Field	Address	Date of visit
1.	Dr Asifa Qureshi	Microbiology	NEERI nagpur	19 th may 2018
2.	Dr. T. M. Tumane	Microbiology	P.G. Department of microbiology LIT Campus, RTMNU Nagpur	19 th may 2018
3.	Dr V. G. Meshram	Microbiology	University Campus RTMNU Nagpur	21 st April
4.	Dr. A. B. Dongre	Microbiology	Eminent Scientist CICR	21 st April

29. Student progression

Student progression	Against % enrolled
UG to PG	7 nos.
PG to M.Phil.	Nil
PG to Ph.D.	
Ph.D. to Post-Doctoral	Nil
Employed - Campus selection - Other than campus recruitment	Nil
Entrepreneurship/Self-employment	Nil

30. Details on student enrichment programs (special lectures/workshops/seminar) with external experts:

Title/ Topic of the Program	Whether lectures/workshops/seminar /other	Name of the external experts	Details of the external experts	Period of Program
1.				

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

Name of the Faculty/	Details of Participation in Co-curricular activities	Details of Participation in Extra curricular activities	Details of Participation in Extension activities including Institutional Social Responsibility (ISR)	Details with dates and period

32. List of Alumni of the Departments:

Name	Address	Profession	Email	Mobile No	Date of Birth	Qualification	Passout year	Achievements
Sampurna Nandy				8390484344		P.G	2017	First Merit
Mamta Marar				9970387460		P.G	2017	Second merit
Rupam Nashine				9503883330		P.G	2017	CHMS, Nagpur
Jayashree Shukla				8624047637		P.G	2017	CHMS, Nagpur
Sharang Nimonkar				9168286158		P.G	2016	Haldiram's, Nagpur
Khushboo Adhau				8237948617		P.G	2016	RGBC, Nagpur
Rucha Parsodkar				7875354498		P.G	2015	CHMS, Nagpur
Mrunmayee Vairagade				9168321492		P.G	2015	CHMS, Nagpur
Snehal Narkhede				9096820307		P.G	2014	Sai Bioinfosys, Nagpur

33. Major grievances of students (if any) redressed:

34. Any other information:

35. SWOC analysis of the department

Strength:

- Well equipped UG Laboratory.
- Enriched departmental library.
- Internet facility available.
- Qualified and hard working faculty.
- Committed and obliging non-teaching staff.
- Brilliant, obedient, disciplined students.
- Safe and secured environment for Co-education.
- Democratic functioning respected.
- Good performance of students in university examination.
- Response by students in co curricular and extracurricular activities is good.
- Parent teachers interaction is encouraging.
- Mentoring is practiced.

Weakness:

- Difficulties in the appointment of permanent posts.
- Slow economic and industrial growth of Nagpur region.
- Less percentage of campus recruitment.
- Less employment opportunities for B.Sc. pass outs.
- Percentage of Students pursuing higher education is less.

Opportunity:

- Employment potential in Hub-MIHAN, Nagpur.
- To participate in various activities organized by the college.
- To explore hidden talent in cultural activities organized during yuva mahotsava.
- More exposure is given to the students on advanced instruments available in the department.

Challenges:

- Declined interest in Basic Science.
- Negative of Modern culture of abetting students' presence in classes and practical

36. Future plans:

- To arrange guest lecturers to enrich the knowledge of students.
- To take feedback from the students.
- To guide students for various P.G. Entrance examinations, various competitive examination in life sciences.



G. Pradeep
HEAD
Department of Microbiology
Science College, Congress Nagar,
NAGPUR.