

Shri Shivaji College of Arts, Commerce and Science, Akola

Evaluative Report of the Department

2016-2021

Dept. of Microbiology

1. **Name of the Department:Microbiology**

2. **Established in year**

U.G: 1983

P.G: 1995

Research: 2000

3. **Names of Programs/ Courses offered (U.G.,P.G.,M.Phil., Ph.D., Integrated masters,Integrated Ph.D. etc.)**

Course	Male	Female	Total	Demand Ratio
B. Sc.	144	201	345	1:2
M. Sc.	16	40	56	1:1.5
Ph.D.(SGB Amravati Uni.)	01	01	02	2:1

4. **Names of interdisciplinary courses and the Departments/units involved :**

- Dr. P.D.K.V Akola - B. Tech. Engg and Ph.D.
- College of Engineering and Technology, Babhulgaon Akola –M.E. Chemical Technology, College of Engineering and Technology
- P.G. Department of Home science- M.Sc. Dissertation
- P.G. Department of Chemistry- M.Sc. Dissertation and Ph.D.
- P.G. Department of Physics- M.Sc. Dissertation and Ph.D.
- P.G. Department of Botany- M.Sc. Dissertation and Ph.D.
- U.G. Department of Biotechnology- B.Sc. Project
- U.G. & P.G. Department of Biochemistry- M.Sc. Dissertation and Ph.D.

5. **Annual/ semester/choice based credit system (Program wise)**

U.G. – Semester system

P.G. - Choice Based Credit System

6. Participation of the Department in the courses offered by other Departments :

B.Sc. (Biotechnology, Biochemistry, Zoology, Botany)

M.Sc. (Biochemistry, Chemistry, Botany, Zoology and Home Science)

Ph.D. in different subjects

Department has established collaboration with other Departments of the college:

- With Biotechnology Department in sharing the faculties, and research facilities like tissue culture lab. etc.
- Chemistry Dept. in helping them in detection of Antimicrobial activities of their synthesized compounds and they help in detection of chemical composition of our research materials.
- Botany Department helping them in detection of Antimicrobial activities of herbal extracts and sterilization of media, etc.

7. Courses in Collaboration with other Universities/ industries/ Foreign Institutions etc.

1. The Department has established liaison for its research activities with:

1. Dr. Panjabrao Deshmukh Agriculture University, Akola
2. Maharashtra Hybrid Seed Corporation (Mahabeej), Akola
3. Local Govt. Medical College, Akola,
4. Centre for DNA Finger Printing , Hyderabad,
5. Research Division of Wockdradt Pharmaceutical, Aurangabad.
6. Aadicon Life Sciences Pvt. Ltd., Aurangabad. And their Biofertilizer plant
At Bhalki, Dt. Bidar, (Karnataka)

These organizations help us in research in use of sophisticated instruments, Identification of Cultures, DNA sequencing, providing technical advice to them. Student's training and providing employment to students.

2. Department has International collaboration with Aadicon Life Sciences Pvt. Ltd, Mauritius for technical advice.
3. Department is a component of International collaboration of Centre for DNA Finger printing, Hyderabad a project of WHO, for isolation and providing cultures

Of *Heleco bacter* and *Mycobacterium*.

4. Departmental expert has developed the curriculum for M.Sc. Biotechnology at Royal University, Bhutan.

5. Faculty has design curriculum and syllabi for Rajshahi University, Bangladesh.

8. **Details of courses, program discontinued (if any) with reasons- Nil**

9. **No. of Teaching posts**

	Sanctioned	Filled
Professors	-	01
Associate Professors	-	-
Assistant Professors	06	01

10. **Faculty Profile with name, qualification, designation, specialization, (D.SC. / D. Litt./Ph.D./ M.Phil etc.)**

S. No.	Name of the faculty	Educational qualification	Designation	Specialization	No. of years of Experience		No. of Ph. D. Students guided for the last four years
					Teaching	Research	
1.	Dr. (Mrs.) A.S.Pethe	M.Sc., Ph.D.	Professor	Microbiology	37Years	30years	08
2.	Dr.(Mrs.) S. N. Zodpe	M.Sc., Ph.D.	Assistant Professor	Microbiology	21years	20years	-
3.	Dr. Dipali Barate	M.Sc. Ph.D. ICAR NET	Assist. Prof. on Adhoc Basis	Microbiology	13years	09years	-
4.	Mrs. Monika Thakare	M.Sc. Ph. D	Assist. Prof. on Adhoc Basis	Microbiology	09years	07	-
5.	Dr. Vaishali Chede	M.Sc. Ph. D	CHB	Microbiology	16years	02	-

List of Senior visiting Faculty:

Sr.No	Name of Visiting Faculty	College Name	Honour
1.	Dr.S.P. Gowindwar.	Prof. & Head, Dept. of biotech, Shivaji University Kolhapur	External Examiner
2.	Dr. S. R. Dave,	Head, Dept. of Micro & Biotech, Gujrat Univ. Ahamadabad.	Ph.D Refree
3.	Dr. Irshad Ahmed,	Scientist, TB irradiation, Govt. of Oman, UAE.	Invited Talk
4.	Dr. N.G.V.Rao,	Associate professor Dr. P.D.K.V. Akola	Invited Talk
5.	Dr. S.G.Gupta,	Head, Dept. of biotech, Gov Institute of science Aurangabad.	External Examiner
6.	Dr. R. D. Garge,	Principal, Govt. college, Aurangabad.	Invited Talk
7.	Dr. A. M. Deshmukh,	Prof. & Head, Dept. of Microbiology, Dr.B.A.Marathwada Uni. Osmanabad Sub centre.	Invited Talk and external examiner
8.	Dr Saify Tayyab,	Prof. & Head, Dept. of Botany, Safiya college Bhopal.	Invited Talk and external examiner
9.	Dr R. Zakaria	Maulana Azad College of Arts, Science and Commerce,Aurangabad.	Invited Talk and External examiner
10.	Dr. V. D. Nanoty	Principal, RLT Science College Akola	External examiner
11.	Dr. U.K.Bhalekar	Head Dept. of Microbiology, RLT Science College Akola	External examiner
12.	Dr. Y .A. Ali	Associate Prof. Dept. of Microbiology, RLT Science College Akola	External examiner
13.	Dr. A. R. Deshpande	Head Dept. of Microbiology, Khandelwal College Akola	External examiner
14.	Dr. D.N . Bhokare	Assistant Prof. Dept. of Microbiology, Khandelwal College Akola	External examiner
15.	DR. S.D. Patil	Head Dept. of Microbiology, Shri Shivaji College Amaravti.	External examiner
16.	Dr. Syed Riyaz,	Dept of Microbiology, Shahada.	Ph.D Refree
17.	Dr. B. J.Wadher ,	Dept of Microbiology, RTM Nagpur University, Nagpur	Ph.D Refree

18.	Dr. N.N. Vidhale	Associate Prof. Dept. of Microbiology, Shri Shivaji College Amaravti.	External examiner
19.	Dr. C.S. Ukesh	Associate Prof. Dept. of Microbiology, Shri Shivaji College Amaravti.	External examiner
20.	Dr. N.S.Kulkarni	Head Dept. of Microbiology, R A College, Washim	External examiner
21.	Mr. S.S. Sadar	Assistant Prof. Dept. of Microbiology, R A College, Washim	External examiner
22.	Mrs. R. Pachori	Assistant Prof. Dept. of Microbiology, R A College, Washim	External examiner
23.	Dr. Y. Patil	Head Dept. of Microbiology, Burungale College Shegaon	External examiner
24.	Dr.A.M. Garode	Associate Prof. Dept. of Microbiology, Shri Shivaji College, Chikhali	External examiner
25.	Mr. K.D. Pensionwar	Head Dept. of Microbiology, Shri Shivaji College Chikhali	External examiner
26.	DR. V. N. Kamble	Head Dept. of Microbiology, Dhamangaon Rly	External examiner
27.	Mr. G.N. Budhlani	Associate Prof. Dept. of Microbiology, Dhamangaon Rly	External examiner
28.	Dr.S.B. Chincholkar	North Maharashtra Uni, Jalgaon	Ph.D Refree
29.	Dr. P.K.Gupta	Retired Prof. Gwalior	Ph.D Refree
30.	Dr. Saify Tayyab	Principal PR Gandhi College,Bhopal	Ph.D Refree
31.	Dr.Datta Madamwar	Prof and Head PG Dept of Microbiology Sardar Patel Uni, Gujrat	Ph.D Refree
32.	Dr. M.Shakir	Head dept of Microbiology SK College , Beed	External Examiner
33.	Dr.M.G. Bodhankar	Pune	External Examiner
34.	Dr.S.R. Khandelwal	RYK college Nashik	External Examiner
35.	Dr. Shariq Ali	Shafiya College Bhopal	External Examiner
36.	Dr. A. Dayanand	Dept of Microbiology, Gulbarga University, Karnataka	External Examiner
37.	Dr. P. S. Wakte	Head dept of Microbiology Parbhani	External Examiner
38.	Dr. P.P.Kapadnis	Head dept of Microbiology Karad	External Examiner

39.	Dr.Satish Deokar	Head dept of Microbiology, Solapur University.	External Examiner
40.	Dr.D.H. Tambekar	Head Dept of Microbiology, SGB Amravati Uni, Amravati	External Examiner
41.	Dr. Kapil Kamble	Ass. Prof. Dept of Microbiology ,SGB Amravati Uni	External Examiner
42.	Dr. N N Firke	Ass. Prof. Dept of Microbiology SGB Amravati Uni	External Examiner
43.	Dr.Niraj Ghanwate	Ass. Prof. Dept of Microbiology, SGB Amravati Uni	External Examiner
44.	Dr. Tanzeema Yasmeen	Director, Institute of Biological Science, Rajshahi University, Bangladesh.	Visiting Faculty
45.	Dr. Luthfunisa Bari	Chairperson and Associate Professor Dept of Food Technology and Nutrition Science, Tangail, Bangladesh.	Visiting Faculty

1. Percentage of Lectures delivered and Practical classes handled (Program wise) by temporary faculty

U.G. – 40%

P.G. - 75%

2. Student - Teacher ratio (Program wise)

Number of Teachers	02
	03Adhoc+02CHB
Number of Students	UG-345
	PG-56

Ratio of Teachers to Students:

Ratio of Teachers to Students	UG-1:172
	PG-1:8

3. No. of Academic support staff (Technical) and Administrative staff; sanctioned and filled

- ❖ Number of Technical Staff :Nil
 - Laboratory Assistant :01
 - Laboratory Attendant :02
- Number of Administrative Staff :Nil

4. Qualification of teaching faculty with D.Sc./ D. Litt./Ph.D./ M.Phil/ P.G.

Sr.No	Name of the faculty	Educational qualification
1.	Dr. (Mrs.) A.S.Pethe	M.Sc. Ph.D.
2.	Dr.(Mrs.) S. N. Zodpe	M.Sc. Ph.D.
3.	Dr. Dipali Barate	M.Sc. Ph.D. ICAR NET
4.	Miss Vaishali Chede	M.Sc. Ph.D.
5.	Mrs. Monika Thakare	M.Sc.B.Ed. DMLT Ph.D.

5. Department of Faculty with ongoing projects from a) National b) International Funding Agencies and grants received

Sr. No.	Title of the project	Name of the principal Investigator/ Co-ordinator	Funding agency	Amount In Rs. (In lakhs)	Period
	Nil				

6. Departmental projects funded by DST- FIST, UGC, DBT, ICSSR, etc. and total grants received

Sr. No.	Title of the project	Name of the principal Investigator/ Co-ordinator	Funding agency	Amount In Rs. (In lakhs)	Period
	Nil				

7. Research Centre/ Facility recognized by the University:

Microbiology laboratory is recognized by SGB Amravati University, Amravati. For 05students in year 1999.In year 2012 enhancement of seats by 10.

8. Publications

❖ a) Publication per faculty

List of Full length papers published in National and International Journals

Dr. A. S. Pethe

Sr. No.	Title with Page No.	Journal	DOI	ISSN / ISBN No.	Peer Reviewed /Impact factor
1.	(2016): Isolation and identification of melanin producing bacterium from sewage water.	International Journal of Applied Reserach	https://www.alresearchjournal.com/archives/?year=2016&vol=2&issue=5&part=G&ArticleId=1946	ISSN Online 2394-5869	Impact factor: : 5.2 Double peer reviewed
2.	(2016) Extraction and Analysis of melanin pigment oroduced by Clostridium tertium isolated from water sample of saline belt in west Vidarbha region.	International Journal of Science and Research,	https://www.ijsr.net/search_index_results_paperid.php?id=ART2016948,	ID:ART2016948. ISSN: 2319-7064	Impact Factor: 6.391 peer reviewed
3.	(2016) Studies on melanin pigment produced by Phaeosphaeriopsis musae isolated from saline water of lonar lake in vidarbha region.	European Journal of Pharmaceutic al And Medical Research,	https://www.ejpmr.com/home/abstract_id/1481	ISSN: 2394-3211	Impact Factor: 3.628 peer reviewed
4.	(2016) Isolation and Identification of Chromogenic bacteria from various sources.	European Journal of Pharmaceutic al and Medical Research	https://storage.googleapis.com/journal-uploads/ejpmr/article_issue/1462013611.pdf	ISSN-2394-3211	Impact Factor 3.52 peer reviewed
5.	(2016)Isolation and Screening	European Journal of		(ISSN)- 2394-3211	Impact Factor 3.52

	and partial purification Purification of Cellulase Producing Bacteria from Cellulase Producing Fungi.	pharmaceutical and medical research			peer reviewed
6.	(2016) Screening of Lather deteriorating microflora.	International Journal Of Scientific Research.	https://www.worldwidejournals.com/international-journal-of-scientific-research-(IJSR)/article/screening-of-leather-deteriorating-microflora/OTMxMw==/?is=1	ISSN No.2277-8179,	IF: 3.508,IC value 69.48. peer reviewed
7.	(2016) Characteristics of liposome used for drug delivery system”.	Journal of Biomedical and Pharmaceuticals Research	https://www.academia.edu/36425860/Journal_of_Biomedical_and_Pharmaceutical_Research_Characteristics_of_liposome_used_for_drug_delivery_system	ISSN 2279-0594.	IF- 5.031 peer reviewed
8.	(2016)Preparation of drug loaded liposome.	<i>Journal of Global Bioscience</i>	https://www.mutagens.co.in/jgb/vol.05/6/050609.pdf	ISSN:4221-4226	UGC Approved Peer Reviewed IF3.028
9.	(2016): Effect of pH on Physiochemical Parameters of wine Produced from Banana.	<i>IJCMAS</i>	Journal homepage: http://www.ijcmas.com doi: http://dx.doi.org/10.20546/ijcmas.2016.502.068	ISSN: 2319-7706	Peer Reviewed

10.	(2016): Exploitation of liquid bio fertilizer for green revolution.411-412.	<i>International Journal of Applied Research,</i>	www.allresearchjournal.com	ISSN Online 2394-5869	Impact factor: : 5.2 Double peer reviewed
11.	(2016): Isolation and Molecular characterization of Cellulase Producing bacteria from soil.. 15568-15572.	<i>International Journal of Innovative Research in Science, Engineering and Technology</i>		(Online):2319-8753,ISSN(Print): 2347-6710	Impact factor.: : 6.209 peer reviewed
12.	(2016): Extracellular synthesis of gold nano particles from Pseudomonas stutzeri (MTCC8362) and its antimicrobial activity.	<i>International Journal of Innovative Research in Science, Engineering and Technology</i>	https://www.researchgate.net/publication/308704599_Extracellular_Synthesis_of_Gold_Nano_Particles_from_Pseudomonas_stutzeri_MTCC_8362_and_its_Antimicrobial_Activity	(Online):2319-8753,ISSN(Print): 2347-6710	(Online):2319-8753,ISSN(Print): 2347-6710
13.	(2017) Effect of sunlight on growth and melanin pigment production in bacteria and fungi.	International Journal of Innovative Research in Science, Engineering and Technology	DOI:10.15680/IJIRSET.2017.0602034 http://www.ijirset.com/upload/2017/february/34_Effect.pdf	(Online):2319-8753,ISSN(Print): 2347-6710	Impact factor.: : 6.209 peer reviewed
14.	(2017) Isolation of melanin producing fungi from air source	International Journal of Applied Research	https://www.semanticscholar.org/paper/Isolation-of-melanin-producing-fungi-from-air-	ISSN Print: 2394-7500,ISSN online: 2394-5869	Impact Factor: : 5.2, Double peer reviewed

			Deshmukh-Pethe/34e9aab41443b9575f45eeca4bf2f7130025e02		
15.	(2017) Synthesis of gold and Silver nano particles by Prokaryotes and Eukariotes a comparative study”.	European Journal of Pharmaceuticals and Medical Research	https://www.ejpmr.com/home/abstract_id/1910	Volume: 04 Issue 01, January 2017, pg No: 327-330	IF – 4.161 peer reviewed
16.	Isolation, Molecular Characterization And Phylogenic Analysis Of <i>Serratia Marcescens</i> Isolated From Soil’ .	International Journal Of Advance Research And Innovative Ideas In Education		Volume – 3 (02) ISSN(0): 2395-4396. Paper Id 4556.	IF- 4.06 peer reviewed
17.	(2017) ‘Isolation, Identification and Optimization Study of Prodigiosin From <i>Serratia marcescens</i> . (Science Research Journal) Serial Number: 10398. Paper Id BD 739s	Bioscience discovery	https://biosciencediscovery.com/Vol%208%20No%203/Monika388-396.pdf	ISSN2229-3469	IF- 0.673 UGC Approved
18.	Production and optimization of wine from banana fruits 2017 April.	International journal of Pharma and Bio Sciences Int J Phrama Bio Sci	DOI: http://dx.doi.org/10.22376/ijpbs.2017.8.2.b790-794 https://ijpbs.net/abstract.php?article=NTg5OQ==	8(2): (B) 790-794 ISSN 0975-6299	Impact factor 3.6 peer reviewed

19.	Exploitation Of Chromobacterial Pigment For Use Of Mankind’.	Ajanta Publication Recent Advances in Sciences.		ISSN-2319-359X	IF- 3.522 Peer Reviewed
20.	Isolation and Identification of Pathogenic Bacteria from Cerebrospinal Fluid.	Ajanta Publication Recent Advances in Sciences.		ISSN-2319-359X	IF- 3.522 Peer Reviewed
21.	Effect of Broad and Narrow Spectrum Antibiotics on UTI pathogenic Microflora Causing Venereal Disease.	Ajanta Publication Recent Advances in Sciences.		ISSN-2319-359X	IF- 3.522 Peer Reviewed
22.	(2017): Production and physiological characterization of wine from banana (MUSA ACUMINATA). 425-431.	<i>Asian Journal of Microbial Biotech,19(2)</i>	https://www.researchgate.net/publication/318886876_Production_and_physicochemical_characterization_of_wine_from_banana_Musa_acuminata	ISSN:0972-3005	Peer Reviewed
23.	(2017): Influence of different yeast strains on physicochemical characteristics of banana wine. 712-715	<i>Bioscience Discovery</i>	http://jbsd.in	ISSN: 2231-024X	Peer Reviewed IF2.17
24.	(2017): In vitro antagonistic activity of Chromobacteria against human pathogenic bacteria.	<i>International Journal of Research In Bioscience , Agriculture and Technology</i> 5(2).	https://ijrbat.in/upload_papers/01102017032245Document4.pdf	ISSN:2347-517X	UGC Approved Peer Reviewed IF5.060
25.	(2017):Synthesis of gold and	<i>European Journal of</i>		ISSN:2394-3211	Peer Reviewed IF3.628

	silver nano particle by prokaryotes and eukaryotes a comparative study. 327-330.	<i>Pharmaceutical And Medical Research</i> , 4(1),			
26.	(2017): Isolation, identification, extraction and production of antibacterial violacein pigment by psychrotrophic bacterium MTRI7 strain. 5077-5083.	<i>Journal of Global Biosciences</i> (6),	https://www.mutagens.co.in/jgb/vol.06/6/060606.pdf	ISSN:2320-1355	UGC Approved Peer Reviewed IF3.028
27.	(2017) Isolation, identification and antibacterial activity of Chromobacteria isolated from various sources.	<i>International Journal of Research In Bioscience , Agriculture and Technology</i> 5(2).	https://ijrbat.in/upload_papers/01102017063308Document61.pdf	ISSN:2347-517X	UGC Approved Peer Reviewed IF5.060
28.	(2017): Isolation, identification and optimization study of Chromobacteria isolated from various sources. Paper published in	National Conference on Recent Advances In Sciences.		ISSN:2319-359X	UGC Approved Peer Reviewed IF3.548
29.	(2017): Isolation and screening of cellulolytic bacteria from soil and optimization of cellulose production. 277-282.	<i>International Journal of Life Sciences</i> 5(2);	http://oaji.net/articles/2017/736-1500728746.pdf www.ijlsci.in	ISSN:2320-964X	IF4.369UGC Approved Peer Reviewed
30.	(2017): Isolation and identification of	National Conference on Recent		ISSN-2319-359X	Peer Reviewed IF3.548

	pathogenic bacteria from cerebrospinal fluid. Paper published in	Advances In Sciences.			
31.	(2018): Fermentation of banana juice using grape fruit juice inoculums.32-34	<i>The pharma innovation journal</i>	https://www.thepharmajournal.com/archives/?year=2018&vol=7&issue=2&ArticleId=1695	E-ISSN Number: 2277-7695 P-ISSN Number: 2349-8242	Peer Reviewed If- 5.14
32.	Effect of must dilution on fermentation of banana fruits pulp into white wine. 207-208	<i>International Journal of Food Science and Nutrition</i>	http://www.foodsciencejournal.com/archives/2018/vol3/issue2/3-2-51	ISSN: 2455-4898	Peer Reviewed
33.	(2018): Extracellular synthesis of silver nanoparticles from <i>Fusarium solani</i> and it's antimicrobial activity against pathogenic microorganism.	<i>IJSRST</i> 4(5).			Peer Reviewed IF4.574
34.	(2018): Application of bionanofertilizer in combination for new perspective in precision agriculture.	<i>International Interdisciplinary Research Journal</i>		ISSN 2349-638x.	Peer Reviewed IF4.574
35.	(2019): Study of antibiotics susceptibility of pathogenic bacteria isolated from otitis externa patients.	AJANTA		ISSN 2277-5730	Peer Reviewed factor:5.5
36.	(2019): Biosynthesis of silver nanoparticle	<i>Peer Reviewed Refereed and UGC Listed</i>			Peer Reviewed

	from <i>Serratia marcescens</i> and its antimicrobial property.	<i>Journal</i> , Vol-8(1).			
37.	(2019) Production of probiotic coconut milk kefir grain from coconut milk.	<i>EJPMR</i>	https://www.ejpmr.com/home/abstract_id/5342	ISSN:3294-3211	Peer Reviewed IF-4.897
38.	Sanitation and Health Gandhian movement and Swachh Bharat Abhiyan	<i>Research Journey:International multi-disciplinary E- research journal.</i>		ISSN : 2438-7143 Impact factor :6.625	Peer – referred and indexed journal
39.	Otitis Externa: Bacterial Etiology, Age-wise and Gender-wise Relatedness. Page no.: 1517-1521	<i>International Journal of Creative Research Thoughts.</i>	http://doi.org/10.1729/Journal.24025 http://www.ijcrt.org/viewfull.php?&p_id=IJCRT2007109	ISSN: 2320-2882	UGC Approved Journal No: 49023 (18) Yes Impact factor:7.97

Dr. Mrs. S. N. Zodpe

Sr. No.	Title with page nos.	Journal	ISSN / ISBN No.	Whether peer reviewed. Impact Factor,If any
1.	Study of Air Flora near Solid Waste Dumping Station at Akola. <i>pp.61-64,</i> M. Musaddiq,L.J.Purohi Swati R. Bipte,Imr Khan	<i>Nature Environment and Pollution Technology</i> <i>Vol 3 (1)</i> <i>March 2004</i> (2004)	ISSN 0972- 6268	Techno-Science Publication A Quarterly <i>Scientific Research Journal</i>

2.	"Effect of plant extract On seed germination And crop growth rate of crops in Vidarbha region". Pp 32-36. Swati R. Bipte , and M. Musaddiq	<i>Amravati University Research Journal 1(1)</i> , July 2004 (2004)	-	Published By- <i>Amravati University Amaravati Research Journal</i>
3.	Studies on "Antimicrobial activity of <i>Azadirachta indica</i> L. on certain foliar pathogens. PP 28-31. Swati R. Bipte , M. Musaddiq	<i>Journal of Microbial World</i> 2005. Vol.(7) No.1 (2005)	ISSN-0972-1487	Published By Microbiologists Society
4.	Drug Sensitivity of Chlorine Resistant <i>Escherichia coli</i> Isolated from Drinking Water Sources. pp 131-133. M. Musaddiq, S.D.Joshi Swati R. Bipte	<i>Journal Microbial World</i> 7(1) 2005. (2005)	ISSN 0972-1487	Published by Microbiologists Society
5.	Isolation and Identification of Pesticide Resistant Bacteria from Agricultural Soil. Pp 139-140. Swati R. Bipte , P.S.Parmar, M. Musaddiq	<i>Nature Environmental Pollution Technology.</i> 11(1) 2012 (2012)	ISSN 0972-6268	An Multidisciplinary International Quarterly Scientific Journal (Techno-Science Publication) www.neptjournal.com
6.	Prevalence of <i>Clostridium</i> species from Various Clinical & Non Clinical Environments.	<i>Bioscience, Biotechnology Research Communication</i> Vol 5(2):2012;	ISSN 0974-645	An International Peer Reviewed Journal for Rapid Publication. www.bbrc.in Published by -

	PP 187-189. Swati R. Bipte , and M. Musaddiq	(2012)		Society for Science & Nature Bhopal,India
7.	Novel Approach of Use Organic Acids & Salts as Potent Alternative to Antibiotics. pp 45-47. P.G.Umbarkar, S.N.Zodpe	<i>Indian Jr. of Applied Research</i> Vol 3 (5): 2013 (2013)	ISSN 2249- 555X,	Peer Reviewed & Referred International Journal Impact Factor: 0.8215 www.ijar.in
8.	Bacterial Resistance to Antibiotic and Disinfectant: Today and Tomorrow. PP 76-82 Y.N.Sarode, S.N.Zodpe	<i>International Journal Biotechnology Biosciences.</i> Volume 3 (): 2013. (2013)	ISSN 2231 0304	International Journal Published by - <i>International Book House Pvt Ltd.</i> http://www.ibhjournals.com
9.	Bacteriological and Physicochemical Assessment of Potable Water Samples from Taluka Telhara District Akola. pp 30-34. P.A.Matre, S.N.Zodpe	<i>International Jr. of Scientific Research.</i> 3 (7): July 2014 (2014)	ISSN 2277- 8179	Peer Reviewed & Referred International Journal. Indexed with International ISSN Directory, Paris. I.F.1.8651 DOI – 10.15373/22778179
10.	Biodiversity of Actinomycetes Species Isolated from Saline Belt of Akola District. Pp 5-7 A.B.Arbat, S.N.Zodpe	<i>Indian Jr. of Applied Research.</i> 4 (7): July 2014 (2014)	ISSN 2249- 555X	Peer Reviewed & Referred International Journal Indexed with International ISSN Directory, Paris. Impact Factor: 2.1652. DOI – 10.15373/2249555
11.	Rhamnolipid Biosurfactant Production by Strain of <i>Pseudomonas</i> <i>aeruginosa</i> using Different Raw Materials Pp 407-413. S.N.Zodpe	<i>International Journal of Current Microbiology and Applied Sciences</i> Vol. 5(5) issue (May 2016) (2016)	ISSN 2319- 7706	International Journal I.F. 2.93 Link- http://dx.doi.org/10.20546 /ijcmas.2016.505.042
12.	Biodeterioration of Library resources and	International Journal of	ISSN 2394 -	Indexed, Refereed, Multidisciplinary,

	possible Approaches for their control pp25-33. P.G.Kalaskar, S.N.Zodpe	Applied Research 2016 Vol.2(7) (2016)	7500	Peer Reviewed Journal I.F 5.2 Published By- Int Journal of Applied Research www.allresearchjournal.com.
13.	Assessment of the Bacterial Biodiversity of Halophilic Bacteria at Akola District Pp 1591-1595. Maryam Jabeen, S.N.Zodpe	International Journal of Science and Research (IJSR) Vol 6(4) (2017)	ISSN Online: 2319-7064	Index Copernicus Value (2015): 78.96 Impact Factor (2015): 6.391 www.ijsr.net Paper ID: ART20172610
14.	Quality Assessment of Green Leafy Vegetables Collected from Different Market Sites of Shegaon and Akola Pp 101-106. M.B.Lahukar, S.N.Zodpe	International Journal of Science and Research (IJSR) Vol 6(4) (2017)	ISSN Online: 2319-7064	Index Copernicus Value (2015): 78.96 Impact Factor (2015): 6.391 www.ijsr.net Paper ID: ART20172610
15.	Screening of Microorganism from Rhizospheric Soil for Biosurfactant Production using Cheap Raw Material Pp 1596-1602. S.S.Paraskar, S.N.Zodpe	International Journal of Science and Research (IJSR) Vol 6(4) (2017)	ISSN Online: 2319-7064	Index Copernicus Value (2015): 78.96 Impact Factor (2015): 6.391 www.ijsr.net Paper ID: ART20172610
16.	Isolation and Identification of Oral Microflora and Studies on their Biofilm Production Ability and AntibioGram Pattern. pp-1588-1592 P.B.Adhau, S.N.Zodpe	<i>International Journal of Current Medical and Pharmaceutical Research</i> Vol3(4) (2017)	ISSN 2395-6429	I.F.3.555 Link- http://dx.doi.org/10.24327/23956429.ijcmpr.20170001 .

17.	Bacterial Profile And Antibioqram Pattern Of Uropathogens Causing UTI In Pregnant Women pp- 1558-1561. P.Tayade, S.N.Zodpe	International Journal of Current Medical and Pharmaceutical Research <i>Vol3(4)(2017)</i>	ISSN 2395-6429	I.F.3.555 Link- http://dx.doi.org/10.24327/23956429.ijcmpr.20170001 .
18.	Screening and Isolation of Pigment Producers and Non-pigment Producers Actinomycetes from Rhizosperic Soil Sample pp-1570-1578 V.P.Dhawane, S.N.Zodpe	<i>Int.J.Curr.Micr obiol.App.Sci</i> (2017) 6(5): <i>International Journal of Current Microbiology and Applied Sciences</i> (2017)	ISSN: 2319-7706	Link- http://doi.org/10.20546/ijemas.2017.605.171 Published By-Excellent Publisher
19.	Spectrum of Uropathogens of Diabetics along with Antibacterial Activity of Herbal Plants and Profile of Antibacterial Resistance.pp-27-29. U.M.Dagwar, S.N.Zodpe	<i>International Journal of Scientific Research</i> Volume 7 Issue7 July-2018 (2018)	ISSN: 2277-8179	Index Copernicus Value 93.98 Impact Factor 4.578 DOI : 10.15373/22778179
20.	Studies on Enzyme Profile & N2 Fixing Ability of <i>Azatobacter sp</i> from Rhizospheric soil pp- 46-50 S.V.Kute, S.N.Zodpe	<i>International Journal of Scientific Develpoment &Research (IJS DR)Vol4(7)</i> (2019)	ISSN: 2455-2631	International Journal www.ijcdr.org Paper ID : IJS DR1907010
21.	Bioremediation Of Textile Dyes: An Environment Friendly Aspect pp. 35315-35319 S.N.Zodpe	<i>International Journal of Recent Scientific Research</i> Vol. 10, Issue, 10(C), ,	ISSN: 0976-3031	International Journal of Recent Scientific Research DOI: 10.24327/IJRSR http://dx.doi.org/10.24327//ijrsr.2019.1010.4078

		<i>October, 2019 (2019)</i>		
22.	To Study The Antimicrobial Potential of Pyocyanin Extracted From <i>Pseudomonas aeruginosa</i> PP – 161-166 S.N.Zodpe	International Journal of Engineering Development and Research <i>IJEDR 2019 / Volume 7, Issue 4 (2019)</i>	ISSN: 2321-9939	International Journal (www.ijedr.org) Paper ID : IJEDR1904029
23.	Screening of Low Density Polythene Degrading Microflora From Garbage Soil. PP – 110-116 K.P.Patinge, S.N.Zodpe	<i>International Journal of Scientific Research in Science & Technology (IJSRST) Vol.7(4)(2020)</i>	ISSN: 2395-602X	Peer Reviewed & Refreed International Journal I.F. 5.327 doi : https://doi.org/10.32628/IJSRST207435
24.	Diversity of bacterial Endophytes from various Agricultural crops. PP – 299-306 S.S.Chatarkar, S.N.Zodpe	<i>International Journal of Science & Engineering Development Research IJSDR Vol.5(10)2020</i>	ISSN: 2455-2631	An International Open Access Journal I.F. 5.327 Paper ID : IJSDR2010043

❖ **Number of papers published in peer reviewed journals**

(National/ International) by faculty and students

Dr. A. S. Pethe-39

Dr. S. N. Zodpe- 24

❖ Number of publications listed in International Database:

❖ Monographs : Nil

❖ **Chapter in Books-**

❖ **Dr. A. S. Pethe-**

1. Textbook of Medical Microbiology (B.Sc.II Sem. IV)

2. Novel COVID-19 disease-Human Health related complications and its Prevention

❖ **Dr. S. N. Zodpe-**

1. Compendium of Research Insight of Life Science Students
2. Dnyanrupi Gurunchi Shikwan
3. Self Discovery : A Journey of Self Loving
4. Compendium of Research Insight of Life Science Students

❖ **Books Edited :**

Dr. S. N. Zodpe

1. Soil Microbiology Practical Handbook M.Sc.I Semester I
2. Microbial Enzymology, Biostatistics & Computer Application Practical Handbook-M.Sc.I Semester II

❖ **Books with ISBN/ ISSN number with details of publishers**

❖ **Area of consultancy and income generated**

9. Faculty as members in

a) National committees b) International committees c) Editorial Board.....

1. The teachers participate in co-curricular and extra circular activities of the college and worked in the organization committees of several activities like conferences, youth festivals and sport meets etc.
2. Mrs. A. S. Pethe is also ex-member of board of studies of Biochemistry, Microbiology and Food Science, at SGB Amravati University
3. Number of faculty members are in University bodies / and other academic bodies and Social Organizations. They play an eminent role in curriculum Designing and College Development. Faculty members are also involved in valuation of UG papers in the subject Microbiology, Biotechnology, Food Science and Industrial Microbiology and PG Microbiology, paper setter and Moderator for UG and PG in Microbiology and Biotechnology, Food Science and Industrial Microbiology.
4. Dr. Swati N. Zodpe is editor of Soil Microbiology Practical Handbook M.Sc.I Semester I and Microbial Enzymology, Biostatistics & Computer Application Practical Handbook-M.Sc.I Semester II

10. Student Projects

- a. Percentage of students who have done in-house projects including inter departmental/ program - 90% at Shri Shivaji College, Akola

- b. Percentage of students place for projects in organization outside the institution i.e. in Research laboratories / Industry/ other agencies- 10 % at other
- c. Department have help the students of the following institute to complete their M.Sc./M.Tech. projects
 - 1) College of Engineering and technology, Bhabulgaon.
 - 2) Shri Shivaji College Science, Amravati.
 - 3) R.T.M. Nagpur University, Nagpur.
 - 4)Agnihotri College, Wardha
 - 5)Bundelkhand University,Ranchi
 - 6) P.D.K.V., Akola
 - 7) New Arts, Commerce, Science College, Wardha.
 - 8)Ranibai Agnihotri Institute of Computer Science and Information Technology, Wardha.

11. Awards/ Recognitions received by faculty and students

Dr. A. S. Pethe

- 1. Incharge for Health Centre in Shri Shivaji College, Akola.
- 2. BOS member of Sant Gadge Baba Amravati, University, Amravati
- 3. Recognised Ph. D. Supervisor by S. G. B. Amaravati University, Amaravati
- 4. Coordinator PG, Shri Shivaji College, Akola.
- 5. Best Teacher award 2021, Shri Shivaji College Akola.

Dr. Mrs. S. N. Zodpe

- 1. Secured 1st Prize from Category Faculty member in **Poster & Slogan Competition held in Breast Feeding Week**
- 2. Recognised Ph. D. Supervisor by S. G. B. Amaravati University, Amaravati
- 3. RIO + 22 UN Sustainable Energy for All India Programme, 2015(Short Term Course Study in Sustainable Energy) Excellence Grade A++ with Silver Medal.

Students Achievements' and activities

Sr. No.	Name of student and class	Activities /Achievements'
1	Mrs Deepika Jain	Color Coat Winner- Avishkar-2016Held at SGB Amaravati University,Amaravati
2	Mrs Deepika Jain	Awarded with “Young Scientist Award” at International Conference on Recent Trends in Science and Technology in Sustainable Development through Scientific approach(2017)
3	Ms. Nagma Firdous	Awarded with “I st Merit (Microbiology) & Gold Medalist,2018” and received Ghanvate Memorial Gold Medal for getting Highest Marks in M.Sc. (Microbiology),
4	Ms. Pooja Mankar	“Color Coat Winner of Avishkar- 2018” And “Awarded Best Research Student” Organised by Sant Gadge Baba Amravati University, Amravati
5	Mr.Sagar Dubey	Awarded with “Best Student Award,2018” (UG category) Awarded by Microbiologists Society, India
6	Ms. Sadhana Devalkar	Awarded with “Best Student Award,2018” (PG category) Awarded by Microbiologists Society, India
7	Ms.Damini D.Dhanbar	Secured 5th Merit in PG Microbiology,2020from SGB Amaravati University,Amaravati
8	Ms. Shraddha Walke	Awarded with “Best Student Award, 2021” (PG category) Awarded by Microbiologists Society, India
9	Mr. Rishabh Kanojiya	Awarded with “Best Student Award, 2021” (UG category) Awarded by Microbiologists Society, India

4.List of eminent academicians and scientists/visitors to the Department

Sr.No	Name of Visiting Faculty	College Name	Honor
1.	Dr.H.F Daginawala	Head, Dept. of Microbiology, Nagpur	Invited Talk
2.	Dr. C.B. Powar	Head, Dept. of Microbiology, Sindhu Mahavidyala Nagpur.	Invited Talk
3.	Dr.S.P. Gowindwar.	Prof. & Head, Dept. of biotech, Shivaji University Kolhapur	External Examiner

4.	Dr. S. R. Dave,	Head, Dept. of Micro & Biotech, Gujrat Univ. Ahamadabad.	Ph.D Referee
5.	Dr. Irshad Ahmed,	Scientist, TB irradiation, Govt. of Oman, UAE.	Invited Talk
6.	Dr. N.G.V.Rao,	Associate professor Dr. P.D.K.V. Akola	Invited Talk
7.	Dr. S.G.Gupta,	Head, Dept. of biotech, Gov Institute of science Aurangabad.	External Examiner
8.	Dr. R. D. Garge,	Principal, Govt. college, Aurangabad.	Invited Talk
9.	Dr. A. M. Deshmukh,	Prof. & Head, Dept. of Microbiology, Dr.B.A.Marathwada Uni. Osmanabad Sub centre.	Invited Talk and external examiner
10.	Dr. Saify Tayyab,	Prof. & Head, Dept. of Botany, Safiya college Bhopal.	Invited Talk and external examiner
11.	Dr. R. Zakaria	Maulana Azad College of Arts, Science and Commerce,Aurangabad.	Invited Talk and external examiner
12.	Dr. V. D. Nanoty	Principal, RLT Science College Akola	External Examiner
13.	Dr. U.K.Bhalekar	Head Dept. of Microbiology, RLT Science College Akola	External Examiner
14.	Dr. Y .A. Ali	Associate Prof. Dept. of Microbiology, RLT Science College Akola	External Examiner
15.	Dr. A. R. Deshpande	Head Dept. of Microbiology, Khandelwal College Akola	External Examiner
16.	Dr. D.N . Bhokare	Assistant Prof. Dept. of Microbiology, Khandelwal College Akola	External Examiner
17.	DR. S.D. Patil	Head Dept. of Microbiology, Shri Shivaji College Amaravti.	External Examiner
18.	Dr. Syed Riyaz,	Dept of Microbiology, Shahada.	Ph.D Referee
19.	Dr. B. J.Wadher ,	Dept of Microbiology, RTM Nagpur University, Nagpur	Ph.D Referee
20.	Dr. N.N. Vidhale	Associate Prof. Dept. of Microbiology, Shri Shivaji College Amaravti.	External Examiner
21.	Dr. C.S. Ukesh	Associate Prof. Dept. of Microbiology, Shri Shivaji College Amaravti.	External Examiner
22.	Dr. N.S.Kulkarni	Head Dept. of Microbiology, R A College, Washim	External Examiner
23.	Mr. Sadar	Assistant Prof. Dept. of Microbiology, R A College, Washim	External Examiner
24.	Miss. R. Pachori	Assistant Prof. Dept. of Microbiology, R A College, Washim	External Examiner
25.	Dr. Y. Patil	Head Dept. of Microbiology, Burungale College Shegaon	External Examiner
26.	Dr.A.M. Garode	Associate Prof. Dept. of Microbiology, Shri Shivaji College, Chikhali	External Examiner
27.	Mr. K.D. Pensionwar	Head Dept. of Microbiology, Shri Shivaji College Chikhali	External Examiner

28.	DR. V. N. Kamble	Head Dept. of Microbiology, Dhamangaon Rly	External Examiner
29.	Mr. G.N. Budhlani	Associate Prof. Dept. of Microbiology, Dhamangaon Rly	External Examiner
30.	Dr. S.B. Chincholkar	North Maharashtra Uni, Jalgaon	Ph.D Referee
31.	Dr. P.K.Gupta	Retired Prof. Gwalior	Ph.D Referee
32.	Dr. Saify Tayyab	Principal PR Gandhi College,Bhopal	Ph.D Referee
33.	Dr. Datta Madamwar	Prof and Head PG Dept of Microbiology Sardar Patel Uni, Gujrat	Ph.D Referee
34.	Dr. M.Shakir	Head dept of Microbiology SK College , Beed	External Examiner
35.	Dr. M.G. Bodhankar	Head dept of Microbiology ,Pune	External Examiner
36.	Dr. S.R. Khandelwal	RYK college Nashik	External Examiner
37.	Dr. Shariq Ali	Shafiya College Bhopal	External Examiner
38.	Dr. A. Dayanand	Dept of Microbiology, Gulbarga University, Karnataka	External Examiner
39.	Dr. P. S. Wakte	Ass. Prof. Dept of Microbiology Parbhani	External Examiner
40.	Dr. Kapadnis	Ass. Prof. Dept of Microbiology ,Karad	External Examiner
41.	Dr. Deokar	Ass. Prof. Dept of Microbiology, Solapur University.	External Examiner
42.	Dr. Tambekar	Head Dept of Microbiology, SGB Amravati Uni, Amravati	External Examiner
43.	Dr. Kapil Kamble	Ass. Prof. Dept of Microbiology ,SGB AmravatiUniversity	External Examiner
44.	Dr. Firke	Prof. and Head Dept of Microbiology SGB Amravati University	External Examiner
45.	Dr. Niraj Ghanwate	Ass. Prof. Dept of Microbiology, SGB Amravati University	External Examiner

5.Seminars/ Conferences/Workshops organized and the source of funding

a. Regional:

- 1.One Day Interdisciplinary Workshop for UG and PG students on Probiotic production of Cheddar Cheese by Microbial fermentation organized by Dept. of Microbiology in collaboration with IQAC 16/02/17.
- 2.One Day Seminar for UG and PG students on Cashless Transection organized by Dept. of Microbiology , Speaker from Computer Science Department (Mr. A Bhilkar, Mr. C.R Mankar, Ms Neehan Aeman), Shri Shivaji College, Akola. 23.02.2017.

b. National

c. International:

6. Student profile program /coursewise:

Name of the course/program (refer question no.4)	Applications received	Selected	Enrolled		Pass Percentage
			M	F	
B.Sc.	557	109	38	71	-
M.Sc.	352	28	10	18	-

*M= Male *F= Female

7. Diversity of Students

Name of the course	% of students from the same state	% of students from other state	% of students from abroad
B.Sc.	100%	Nil	Nil
M.Sc.	100%	Nil	Nil
Ph.D.	100%	Nil	Nil

8. How many students have cleared National and State competitive examinations such as NET, SLET, GATE, Civil Services, Defense services, etc...? - Nil

9. Student progression

Student progression	Against % enrolled
UG to PG	65%
PG to M.Phil	1%
PG to Ph.D.	10%
Ph.D. to Post Doctoral	Nil
Employed	
• Campus selection	10%
• Other than campus recruitment	10%
Entrepreneurship/ Self-employment	10%

10. Details of infrastructural facilities

a. Library

Books – About 300 books in Departmental library

List of Journals Available Dept. of Microbiology

Sr. No	Name of Journals	Published by
1	Indian Journal of Microbiology	Association of Microbiologist India
2	Journal of Microbial World	Microbiologist Society of India
3	Journal of Environmental Science and Engineering	National Environmental Engineering Research Institute.
4	Indian Journal Of Environmental Health	National Environmental Engineering Research Institute.
5	Nature Environment and Pollution Technology	TechnoScience Publication
6	Pollution Research	Enviromedia
7	Emerging Infectious Diseases	Dept. of Health & Human Services, Atlantica
8	Everyman's Science	Indian Science Congress Association
9	Journal of Indian Association For Environmental Management	Indian Association of Environmental Management
10	Journal Of Aquatic Biology	Association of Aquatic Biology
11	Ecology Environment and Conservation	Enviromedia
12	Asian Journal of Microbiology, biotechnology and Environment Science	Enviromedia
13	Indian Botanical Society Journal	Indian Botanical Society
14	Indian Journal of Biochemistry and Biophysics	Society of Biological Chemist

b. Internet facilities for staff and students

- 5 terminals with broadband internet facility available which are used by U.G., P.G., Ph.D. students for referencing, preparing assignment and for teaching.

c. Classroom with ICT facility

- 2 Seminar halls well equipped with LCD projector and internet facility.
- Staff members prepared their own power point presentation for teaching and they also procure video films and readymadeprogram for effective teaching in the classes.

d. Laboratories

Infrastructure Available at Dept. of Microbiology

Sr. No	Infrastructure	Details	Specification
1	Laboratory 'A'	Size 30x22 sq feet	With working platforms
2	Laboratory 'B'	Size 30x32 sq ft	With working platforms
3	Laboratory 'C'	Size 30x22 sq ft	With working platforms
4	Instrumentation Room	16x20 sq ft	With Platforms
5	Aseptic Room	10x9 sq ft	with A/C
6	Electric fitting	ordinary & power supply	in all Labs
7	Water Supply	24 hrs	in all Labs
8	Drainage	--	in all Labs
9	Internet Services	Broad Band	For Student
10	Glass Wares etc.		

List of Instruments in Dept. of Microbiology

Sr.No.	Name of Instruments	Quantity	Make & Model
1	Autoclave with timer	1	Secor India
2	Autoclave portable	1	-
3	Autoclave portable	2	-
4	Autoclave vertical	1	Lab Hosp.
5	Autoclave vertical	1	BTI Make
5	Air conditioner	1	Vediocon
6	Air sampler	1	Hi-Media
7	Anaerobic jar	1	Bhagvandas
8	Accessories set	1	Prestige

8	Bacteriological filter assembly	1	-
9	Centrifuge machine	1	Remi
10	Computer with printer	7	LG
11	Chloroscope kit	1	Synthyl
12	Cyclomixer	1	Remi
13	Conductivity meter	1	-
14	Deep Freezer	1	Haier
14	Electrophoresis kit	1	Systronic
15	Electrophoresis kit	1	Bangaote
16	Electric oven	1	Prestige
16	Epidiascope	1	Matzar
17	Hot air oven	1	Tempo
18	Hot air oven	1	Labhosp
19	Hot air oven	1	Labhosp
19	Heating Element	2	-
20	Hair drier	1	-
21	Heamoglobino meter	11	-
22	Homocytometer	6	-
23	Incubator	1	NSW
24	Incubator	1	Tempo
25	Incubator BOD	1	Kumar
26	Incubator	1	Tempo
27	Incubator	1	Labhosp
28	Induction Plate/cooker	1	Prestige
28	Laminar air flow	1	Microfilt
29	Magnetic sterrior	1	Remi
30	Micro Kejldhals	1	Borosil
31	Mixer grinder	1	Sumeet
32	Microscopes	5	Olympus
33	Microscopes	6	Olympus
34	Microscopes Binocular research	2	Metzer
35	Microscopes	5	Olympus
36	Microscopes	5	Olympus
37	Micropipettes	2	Top.make
38	Micropipettes	2	Qualigens

39	Over head projector	1	Metzer
40	Paper chromatography kit	1	Super fit
41	Photoelectric colorimeter	1	Erma
42	pH meter	1	Elico
43	pH meter	1	Elico
44	Refrigerator	1	Godgraj
45	Refrigerator	1	Godgraj
46	Refrigerator	1	Daewoo
47	Refrigerator	1	LG
48	Refrigerator	1	Haier
48	Rotary shaker	1	Remi
49	Single pan balance	1	K-roy
50	Spectrophoto meter	1	Systrolies
51	Spectrophoto meter	1	Systrolies
52	Top pan balance	1	K-roy
53	Voltage Stabilizer auto	1	Capri
54	Voltage stabilizer	1	Capri
55	Water analysis kit	1	Elico
56	Water Analysis Assemble	1	Tempo
57	Water bath	1	Lab.Hosp
58	Water bath with thermostat	1	Shetalmake
59	Water bath Round bottom	1	Shetal make
60	TLC kit	1	Superfit
61	TLC Kit	1	Superfit
62	Top pan balance	1	K-roy
63	Heating memthle for 1000ml	1	HB model
64	Heating menthle for 1000ml	1	HBmodel
65	Sumsung Laser printer cip	1	Sumsung
66	UV-Vissible Digital spectrophotometer	1	Systronic
67	H.P.tonner	1	H.P
68	Sony DVD	1	Sony
69	Water distillation assembly	1	Tempo
70	Orbital shaker incubator	1	Remi
71	Fermentor	1	JayBiotech

11. Number of students receiving financial assistance from college, university, Government, or other agencies

- Mrs. Deepika Jain- Maulana Azad Fellowship
- The finical assistance received for PhD Student-
Miss. Pooja P. Mankar- CSIR-UGC Junior Research Fellowship for Research
Mr. Rameshwar V. Darade- CSIR-UGC Junior Research Fellowship for Research

12. Details on student enrichment programmers (special lectures/ workshops/ seminars) with external experts.

1. One Day Interdisciplinary Workshop for UG and PG students on Probiotic production of Cheddar Cheese by Microbial fermentation organized by Dept. of Microbiology in collaboration with IQAC 16/02/17.
2. One Day Seminar for UG and PG students on Cashless Transaction organized by Dept. of Microbiology, Speaker from Computer Science Department (Mr. A Bhilkar, Mr. C.R Mankar, Ms Neehan Aeman), Shri Shivaji College, Akola. 23.02.2017.
3. Guest lecture of Dr. Mukund Bodhankar, from Bharati Vidyapith, Pune on topic Research Methodology and Plagiarism on 11/02/17.
4. Guest lecture of Mr. Wajeed Khan from Aurangabad on topic Nanotechnology on 11.02.2017.
5. Guest lecture of Dr. Sadhana D. Lote, from Lote Hospital, Akola on topic UTI and Venereal transmitted diseases. 17/02/2017.
6. A Guest Lecture by Dr. V. R. Gupta Department of Plant Pathology, Dr. P.D.K.V. Akola on Biofertilizer Production for UG and PG Students on 17th March, 2017 Organized by Dept of Microbiology, Shri Shivaji College of Arts, Commerce & Science, Akola.
7. Guest Lecture by Dr. K. R. Gawai Head Biochemistry, Savitribai Phule Vidyapeeth, Pune organised by Dept of Microbiology, Shri Shivaji College of Arts, Commerce & Science, Akola on 5th August, 2017.
8. Guest Lecture by Dr. A. B. Ingle Department of Microbiology, S.K. Porwal College, Kamptee R.T.M, Nagpur University Nagpur. 18th January, 2018.
9. A Lecture is delivered by Dr. Prasad Sor on various types of Cancer and conducted medical health check-up camp organized by Dept of Microbiology, Shri Shivaji College of Arts, Commerce & Science, Akola 21st Feb, 2018.
10. Career guidance by Mr. Patil by Unique academy, Pune on 17 Jan. 2019.
11. Dr. A. M. Deshmukh, President of Microbiologists Society, India delivered lecture on Scope of Microbiology for U.G & P.G Students on 31st Jan 2019.
12. Guest lecture of Dr. Saifi Tayyab, Bhopal on genetics on 25th Feb. 2019.
13. Dr. Aashish Girhe Delivered lecture on Primary Aid of Heart Attack CPR training on 26th Feb 2019.
14. Dr. Avinash Saoji Delivered lecture on Cancer Prabodhan on 28th Feb. 2019.
15. Dr. R.W. Ingle, Plant Pathology, Dr. PDKV, Akola, delivered lecture on Soil Microbiology on 1st March 2019.

Program arranged / Invited lectures:

Sr. No.	Name of Activity	Name of the speaker	Date	Topic of lecture
1	Guest lecture	Dr. Mukund Bodhankar	11/02/17	Reserch Methodology and Plagarism
2	One Day Interdisciplinary Workshop	organized by Dept. of Microbiology in collaboration with IQAC	16/02/17	Probiotic production of Cheddar Cheese by Microbial fermentation
3	Guest lecture	Dr. Sadhana D. Lote	17/02/17	UTI and Venereal transmitted diseases
4	Guest lecture	Mr. A Bhilkar, Mr. C.R Mankar, Ms Neehan Aeman	23/02/17	Cashless Transection
5	Guest lecture	Dr. V. R. Gupta	17/03/17	Biofertilizer Production
6	Guest lecture	Dr. K. R. Gawai	05/08/17	
7	Assay Contest	held in Dept of Microbiology in Collaboration with Govt Medical College,Akola in 2017 (Swacchata Abhiyan & Environmental Awareness)	05/09/17	Innovative ways for spreading the message of Hygiene
8	A visit	to Govt Lady Harding Hospital by Microbiology staff and UG students	08/08/17	to know the different methods of Biomedical waste Disposal
9	Guest Lecture	Dr. A. B. Ingle	18/01/18	

10	Guest Lecture	Dr. Prasad Sor	21/02/18	various types of Cancer and conducted medical health
11	Guest Lecture	Mr. Patil by Unique academy, Pune	17/01/19	Career guidance
12	Guest Lecture	Dr. A.M. Deshmukh	31/01/19	Scope of Microbiology for U.G & P.G Students
13	Felicitation of Renowned Doctors and Pathologists of Akola for their social awareness	Dr. Rajesh Kate, Dr. Abhay Patil, Dr. Dipak More, Dr. Shriram Lahole, Dr. Mrs. Khelkar	06/02/19	Expirations of feelings
14	Opening	Dr. V. D. Nanoty,	31/01/19	Opening of Microbiological Society Unit
15	Guest Lecture	Dr. Saifi Tayyab	25/02/19	Genetics
16	Guest Lecture	Dr. Gauri Nanoty	26/02/19	Awareness about Thyroid and PCOD
17	Guest Lecture	Dr. Aashish Girhe	26/02/19	Primary Aid of Heart Attack CPR training
18	Guest Lecture	Dr. Avinash Saoji	28/02/19	Cancer Prabodhan
19	Guest Lecture	A. P. Jadhav	01/03/19	Biotechnology
20	Awareness program	organized by Dept of Microbiology ,Shri Shivaji College Akola		Swachh Bharat Abhiyan and COVID 19 awareness program
21	Virtual Geust Lecture	Dr. Anil K. Fokmare	16/12/20	Career Opportunities in Pharmaceuticals Industries for Microbiology & Other Science Students
22	Online Quiz	Organised by IQAC, Dept of Biochemistry & Microbiology	28/01/21	Human Diseases & Disorders

23	Online Essay	IQAC, Dept of Microbiology & Biochemistry Organised	28/01/21	Competition on Impact of Corona Virus on Human Health
24	Bridge Course	Dr. A.S. Pethe	22/01/21	Bridge Course for B.Sc.I Microbiology students

1. Teaching methods adapted to improve student learning

The faculty members have the modern teaching methods other than lecture method. Department has OHP and a LCD projector. Most of the faculty members are using these modern teaching aids for effective teaching. Some staff members prepare their lectures on power point presentation by downloading pictures and illustrations from internet. Seminars, assignment, project presentation, Group discussion etc are the general methods of student involved learning methods.

- Identification of Slow learners from classes.
- Discussion and Counseling with students.
- Spoken English Classes.
- Writing Practice.
- Open Book Test.

2. Participation in Institutional, Social Responsibility (ISR), and extension activities.

- ❖ Staff members visit the villages and train the villagers about environmental management, AIDS awareness, Plantation etc.
- ❖ Staff members of the department guide the students of several schools for their projects; two schools have participated at National Children's Science Congress.
- ❖ Blood grouping and Blood donation to needy persons.
- ❖ Science Projects of the following Schools were guided:
 - -Bal Shivaji High School, Akola
 - -Shivaji High School, Old city Branch, Akola
 - -Jubilee High School, Akola
- ❖ Staff members have guided B.E. Dissertation of Shri Shivaji College of Engineering and Technology, Akola on Alcohol production as Non-conventional energy sources.

- ❖ Some students participated in Corona awareness programme.

3. SWOC analysis of the department and future plans.

A) Strength:

- ❖ Introduction of new courses like Carrier Oriented Program in the field of Applied Microbiology, to fetch significant job avenues for the students and also involvement of the microbiology oriented industries in the departmental research activities.
- ❖ Increase the rate of PG and research students at various competitive examinations like NET, CSIR, UGC, GATE etc.
- ❖ Strengthen the existing research activities for the development of the region in collaboration with research originations and industries.
- ❖ Numbers of student are improving in their study potential.
- ❖ Permanent faculties and C.H.B staff is highly qualified.
- ❖ Laboratories are well equipped (U.G. and P.G.).
- ❖ Numbers of P.G. and U. G. centers are more.

B) Weakness:

- ❖ Equipments are not maintained periodically due to non availability of technical assistance.
- ❖ Number of Laboratory assistant staff is less; separate recruitment of non-teaching staff is required for P.G. and Ph.D. studies.
- ❖ The numbers of permanent posts are not fully filled due to government policy. Thus course is covered by lecturers on contributory basis.

Faculty Profiles



Dr. MRS. ARCHANA SUDHIR PETHE

General information

Name (in Block Letters)	:	Dr. MRS. ARCHANA SUDHIR PETHE
Qualification		M.Sc (Microbiology), Ph.D (Microbiology)
Department	:	Microbiology
Current Designation	:	Professor
Date of Joining		22/08/1984
Name of Institution	:	Shri Shivaji Arts, Commerce and Science College Akola
Phone No.	:	9923959041
Email	:	archanapethe14@gmail.com

Academic Qualification

Sr.No.	Degree	Name of University/Board	Year	Division
1	Ph.D.	R.S.T.M.U. Nagpur	2006	NA

Teaching and Research Experience

Teaching Experience	Experience in Years
Teaching Experience at Degree Level	36
Teaching Experience at Post-Graduate Level	25
Research Experience	25

Membership of professional bodies

- 1 Life member of all India Microbiologist Association

Research papers published in journals

Sr. No.	Title with Page No.	Journal	DOI	ISSN / ISBN No.	Peer Reviewed /Impact factor
40.	(2016): Isolation and identification of melanin producing bacterium from sewage water.	International Journal of Applied Research	https://www.alresearchjournal.com/archives/?year=2016&vol=2&issue=5&part=G&ArticleId=1946	ISSN Online 2394-5869	Impact factor: : 5.2 Double peer reviewed
41.	(2016) Extraction and Analysis of melanin pigment produced by Clostridium tertium isolated from water sample of saline belt in west Vidarbha region.	International Journal of Science and Research,	https://www.ijsr.net/search_index_results_paperid.php?id=ART2016948,	ID:ART2016948. ISSN: 2319-7064	Impact Factor: 6.391 peer reviewed
42.	(2016) Studies on melanin pigment produced by Phaeosphaeriopsis musae isolated from saline water of lonar lake in vidarbha region.	European Journal of Pharmaceutical And Medical Research,	https://www.ejpmr.com/home/abstract_id/1481	ISSN: 2394-3211	Impact Factor: 3.628 peer reviewed
43.	(2016) Isolation and Identification of Chromogenic bacteria from various sources.	European Journal of Pharmaceutical and Medical Research	https://storage.googleapis.com/journal-uploads/ejpmr/article_issue/1462013611.pdf	ISSN-2394-3211	Impact Factor 3.52 peer reviewed
44.	(2016) Isolation and Screening and partial purification Purification of Cellulase	European Journal of pharmaceutical and medical research		(ISSN)- 2394-3211	Impact Factor 3.52 peer reviewed

	Producing Bacteria from Cellulase Producing Fungi.				
45.	(2016) Screening of Lather deteriorating microflora.	International Journal Of Scientific Research.	https://www.worldwidejournals.com/international-journal-of-scientific-research-(IJSR)/article/screening-of-leather-deteriorating-microflora/OTMxMw==/?is=1	ISSN No.2277-8179,	IF: 3.508,IC value 69.48. peer reviewed
46.	(2016) Characteristics of liposome used for drug delivery system”.	Journal of Biomedical and Pharmaceuticals Research	https://www.academia.edu/36425860/Journal_of_Biomedical_and_Pharmaceutical_Research_Characteristics_of_liposome_used_for_drug_delivery_system	ISSN 2279-0594.	IF- 5.031 peer reviewed
47.	(2016)Preparation of drug loaded liposome.	<i>Journal of Global Bioscience</i>	https://www.mutagens.co.in/jgb/vol.05/6/050609.pdf	ISSN:4221-4226	UGC Approved Peer Reviewed IF3.028
48.	(2016): Effect of pH on Physiochemical Parameters of wine Produced from Banana.	<i>IJCMAS</i>	Journal homepage: http://www.ijcmas.com doi: http://dx.doi.org/10.20546/ijcmas.2016.502.068	ISSN: 2319-7706	Peer Reviewed
49.	(2016): Exploitation of	<i>International Journal of</i>	www.allresearchjournal.com	ISSN Online	Impact factor: : 5.2

	liquid bio fertilizer for green revolution.411-412.	<i>Applied Research,</i>		2394-5869	Double peer reviewed
50.	(2016): Isolation and Molecular characterization of Cellulase Producing bacteria from soil.. 15568-15572.	<i>International Journal of Innovative Research in Science, Engineering and Technology</i>		(Online):2319-8753,ISSN(Print):2347-6710	Impact factor: : 6.209 peer reviewed
51.	(2016): Extracellular synthesis of gold nano particles from Pseudomonas stutzeri (MTCC8362) and its antimicrobial activity.	<i>International Journal of Innovative Research in Science, Engineering and Technology</i>	https://www.researchgate.net/publication/308704599_Extracellular_Synthesis_of_Gold_Nano_Particles_from_Pseudomonas_stutzeri_MTCC_8362_and_its_Antimicrobial_Activity	(Online):2319-8753,ISSN(Print):2347-6710	(Online):2319-8753,ISSN(Print):2347-6710
52.	(2017) Effect of sunlight on growth and melanin pigment production in bacteria and fungi.	International Journal of Innovative Research in Science, Engineering and Technology	DOI:10.15680/IJIRSET.2017.0602034 http://www.ijirset.com/upload/2017/february/34_Effect.pdf	(Online):2319-8753,ISSN(Print):2347-6710	Impact factor: : 6.209 peer reviewed
53.	(2017) Isolation of melanin producing fungi from air source	International Journal of Applied Research	https://www.semanticscholar.org/paper/Isolation-of-melanin-producing-fungi-from-air-Deshmukh-Pethe/34e9aab41443b9575f45eeca4bf2f71	ISSN Print: 2394-7500,ISSN online:2394-5869	Impact Factor: 5.2, Double peer reviewed

			30025e02		
54.	(2017) Synthesis of gold and Silver nano particles by Prokaryotes and Eukariotes a comparative study”.	European Journal of Pharmaceu ticals and Medical Research	https://www.ejpmr.com/home/abstract_id/1910	Volume: 04 Issue 01, January 2017, pg No: 327-330	IF – 4.161 peer reviewed
55.	Isolation, Molecular Characterization And Phylogenic Analysis Of <i>Serratia Marcescens</i> Isolated From Soil’ .	International Journal Of Advance Research And Innovative Ideas In Education		Volume – 3 (02) ISSN(0): 2395-4396. Paper Id 4556.	IF- 4.06 peer reviewed
56.	(2017) ‘Isolation, Identification and Optimization Study of Prodigiosin From <i>Serratia marcescens</i> . (Science Research Journal) Serial Number: 10398. Paper Id BD 739s	Bioscience discovery	https://biosciencediscovery.com/Vol%208%20No%203/Monika388-396.pdf	ISSN2229-3469	IF- 0.673 UGC Approved
57.	Production and optimization of wine from banana fruits 2017 April.	International journal of Pharma and Bio Sciences Int J Phrama Bio Sci	DOI: http://dx.doi.org/10.22376/ijpbs.2017.8.2.b790-794 https://ijpbs.net/abstract.php?article=NTg5OQ==	8(2): (B) 790-794 ISSN 0975-6299	Impact factor 3.6 peer reviewed
58.	Exploitation Of Chromobacterial Pigment For Use Of Mankind’.	Ajanta Publication Recent Advances in		ISSN-2319-359X	IF- 3.522 Peer Reviewed

		Sciences.			
59.	Isolation and Identification of Pathogenic Bacteria from Cerebrospinal Fluid.	Ajanta Publication Recent Advances in Sciences.		ISSN-2319-359X	IF- 3.522 Peer Reviewed
60.	Effect of Broad and Narrow Spectrum Antibiotics on UTI pathogenic Microflora Causing Venereal Disease.	Ajanta Publication Recent Advances in Sciences.		ISSN-2319-359X	IF- 3.522 Peer Reviewed
61.	(2017): Production and physiological characterization of wine from banana (MUSA ACUMINATA). 425-431.	<i>Asian Journal of Microbial Biotech,19(2)</i>	https://www.researchgate.net/publication/318886876_Production_and_physicochemical_characterization_of_wine_from_banana_Musa_acuminata	ISSN:0972-3005	Peer Reviewed
62.	(2017): Influence of different yeast strains on physicochemical characteristics of banana wine. 712-715	<i>Bioscience Discovery</i>	http://jbsd.in	ISSN: 2231-024X	Peer Reviewed IF2.17
63.	(2017): In vitro antagonistic activity of Chromobacteria against human pathogenic bacteria.	<i>International Journal of Research In Bioscience , Agriculture and Technology</i> 5(2).	https://ijrbat.in/upload_papers/01102017032245Document4.pdf	ISSN:2347-517X	UGC Approved Peer Reviewed IF5.060
64.	(2017):Synthesis of gold and silver nano particle by prokaryotes and eukaryotes a	<i>European Journal of Pharmaceuti cal And Medical Research,</i>		ISSN:2394-3211	Peer Reviewed IF3.628

	comparative study. 327-330.	4(1),			
65.	(2017): Isolation, identification, extraction and production of antibacterial violacein pigment by psychrotrophic bacterium MTRI7 strain. 5077-5083.	<i>Journal of Global Biosciences</i> (6),	https://www.mutagens.co.in/jgb/vol.06/6/060606.pdf	ISSN:2320-1355	UGC Approved Peer Reviewed IF3.028
66.	(2017) Isolation, identification and antibacterial activity of Chromobacteria isolated from various sources.	<i>International Journal of Research In Bioscience , Agriculture and Technology</i> 5(2).	https://ijrbat.in/upload_papers/01102017063308Documents/61.pdf	ISSN:2347-517X	UGC Approved Peer Reviewed IF5.060
67.	(2017): Isolation, identification and optimization study of Chromobacteria isolated from various sources. Paper published in	National Conference on Recent Advances In Sciences.		ISSN:2319-359X	UGC Approved Peer Reviewed IF3.548
68.	(2017): Isolation and screening of cellulolytic bacteria from soil and optimization of cellulose production. 277-282.	<i>International Journal of Life Sciences</i> 5(2);	http://oaji.net/articles/2017/736-1500728746.pdf www.ijlsci.in	ISSN:2320-964X	IF4.369UGC Approved Peer Reviewed
69.	(2017): Isolation and identification of pathogenic bacteria from cerebrospinal fluid. Paper	National Conference on Recent Advances In Sciences.		ISSN-2319-359X	Peer Reviewed IF3.548

	published in				
70.	(2018): Fermentation of banana juice using grape fruit juice inoculums.32-34	<i>The pharma innovation journal</i>	https://www.thepharmajournal.com/archives/?year=2018&vol=7&issue=2&ArticleId=1695	E-ISSN Number: 2277-7695 P-ISSN Number: 2349-8242 -----	Peer Reviewed If- 5.14
71.	Effect of must dilution on fermentation of banana fruits pulp into white wine. 207-208	<i>International Journal of Food Science and Nutrition</i>	http://www.foodsciencejournal.com/archives/2018/vol3/issue2/3-2-51	ISSN: 2455-4898	Peer Reviewed
72.	(2018): Extracellular synthesis of silver nanoparticles from <i>Fusarium solani</i> and it's antimicrobial activity against pathogenic microorganism.	<i>IJSRST</i> 4(5).			Peer Reviewed IF4.574
73.	(2018): Application of bionanofertilizer in combination for new perspective in precision agriculture.	<i>International Interdisciplinary Research Journal</i>		ISSN 2349-638x.	Peer Reviewed IF4.574
74.	(2019): Study of antibiotics susceptibility of pathogenic bacteria isolated from otitis externa patients.	AJANTA		ISSN 2277-5730	Peer Reviewed factor:5.5
75.	(2019): Biosynthesis of silver nanoparticle from <i>Serratia marcescens</i> and it's antimicrobial property.	<i>Peer Reviewed Refereed and UGC Listed Journal</i> , Vol-8(1).			Peer Reviewed

76.	(2019) Production of probiotic coconut milk kefir grain from coconut milk.	<i>EJPMR</i>	https://www.ejpmr.com/home/abstract_id/5342	ISSN:3294-3211	Peer Reviewed IF-4.897
77.	Sanitation and Health Gandhian movement and Swacch Bharat Abhiyan	<i>Research Journey:International multi-disciplinary E- research journal.</i>		ISSN : 2438-7143 Impact factor :6.625	Peer – referred and indexed journal
78.	Otitis Externa: Bacterial Etiology, Age-wise and Gender-wise Relatedness. Page no.: 1517-1521	<i>International Journal of Creative Research Thoughts.</i>	http://doi.org/10.1729/Journal.24025 http://www.ijcrt.org/viewfull.php?&p_id=IJCRT2007109	ISSN: 2320-2882	UGC Approved Journal No: 49023 (18) Yes Impact factor:7.97

Full papers in conference proceedings

Sr. No.	Title with Page No.	Details of Conference Publications	ISSN / ISBN No.
1.	Exploitation of chromobacterial pigment for use of mankind. 168-175.	<i>Recent advances in science-2017</i>	ISSN-2319-359X
2.	Biosynthesis of silver nanoparticles from <i>Serratia marcescens</i> and its antimicrobial property. 49-56.	<i>International multidisciplinary quarterly research journal (40776)</i>	
3.	Isolation, identification and Optimization study of chromobacteria isolated from various sources 161-171	<i>Recent advances in science-2017</i>	
4.	Isolation, identification and antibacterial activity of pigment from chromobacteria	<i>Recent advances in science-2017</i>	

Conferences / seminars /workshops /conventions /webinars attended

Sr. No.	Title of Conference/ Seminar	Organized by	Whether international / national / state / regional / college / or university
1.	“Bioactive Molecules and their Therapeutic Values: Current Status” (BMTVCS-2016).	Swami Ramanand Teerth Marathwada University, Nanded, held on 13th &14th March 2016.	National
2.	National Science Day on Research topic by Shri Shivaji College, Akola held on 28th February 2017.	Shri Shivaji College, Akola held on 28th February 2017.	National
3.	Recent Advances in Sciences-2017” organized by Late Pushpadevi Patil Arts and Science College, Risod, Washim on 9th March 2017	Late Pushpadevi Patil Arts and Science College, Risod, Washim on 9th March 2017	National
4.	National conference on Recent Trends in Biotechnology And Biodiversity (NCBB-2017) organized by- Department of Life Sciences Shri Shivaji Science College, Amravati held on 22nd and 23rd September, 2017.	Department of Life Sciences Shri Shivaji Science College, Amravati held on 22nd and 23rd September, 2017.	National
5.	National Symposium Cum Workshop on Bio-waste as Bio-resource held on 23 th February 2019.	Shankarlal khandelwal Arts, Science and Commerce college, Akola (MS).	National
6.	State level seminar and teachers workshop held on 28 th February 2019	Shri R.L.T. College of science Akola (MS).	State level

Invited lectures and chairmanships at national or international conference / seminar

Sr. No.	Title of lecture	Title of Conference / Seminar	Organized by	Whether International / National
1	Use of advanced instrument for microbiology and allied sciences	One day workshop on Bioinstrumentation	Department of Shri Shivaji Science College, Akola	University level
2	Reforms in industrial	State level seminar	R.L.T. College	State level

	microbiology syllabus	and teachers workshop	of science Akola (MS). held on 28 th February 2019	
3	Recycling of bio waste for fertilizer production	National Symposium Cum Workshop on Bio-waste as Bio-resource.	Shankarlal khandelwal Arts, Science and Commerce college, Akola (MS).	National

Publications other than journal articles (Articles / Chapters published in books)

Sr. No.	Book Title	Publisher	ISSN/ISBN No.
1.	Biotechnology in Agriculture, Industry and Environment	Dr. A. M. Deshmukh	
2.	Sustainable and Ecofriendly Technology for Women	National conference for Women	
3.	International Conference on Women Empowerment	Adhar Publication Dr. S. B. Bhagat	978-81-9222414-0-1
4.	Relevance of D.R Babasaheb ambedkars ideology in the present scenario	Prashant Publication	978-93-82414-15-5
5.	Relevance of Pandit Neharu ideology in the present scenario	Dr. J.H. Pawar Prashant Publication	978-93-82414-14-8
6.	Proceeding of IRTBS held on 8-9-Sept. 2012		978-81-923621-0-6
7.	Proceeding of IRTBS held on 8-9-Sept. 2012		978-81-923621-0-6
8.	Proceeding of IRTBS held on 8-9-Sept.		978-81-923621-0-6
9.	Enriching textile with block printing		97881-92362144
10.	Textbook of Medical Microbiology (B.Sc.II Sem. IV)	Nabhaprakashan	ISBN 978-81-905776-105-1
11.	Novel COVID-19 disease- Human Health related complications and its	Proceeding of International E Conference on Innovative Reserch Trends in Life	ISBN

	Prevention	Sciences 3rd, 4 th and 5 th December Organised by Department of Life Sciences , Shri Shivaji College Akola.	
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Research guidance

Sr. No.	Number Enrolled	Degree awarded
Ph. D.	02	08

M. Sc. Dissertations Guided: 51

Sr.No.	Name of student	Topic name	Year
1.	Miss. Anuja R. Tolmare	Studies On Thermophilic And Thermoduric Microorganism In Milk	2000-01
2.	Miss. Monika D. Jain	Studies On Cotton Fabric Deteriorating Microorganism	2000-01
3.	Miss. Disha R. Sehgal	Media Formulation For <i>Bacillus Thuringiensis</i>	2001-02
4.	Miss. Dipali R. Ghai	Chromogenic Bacteria And Antibacterial Activity Of Their Pigment	2001-02
5.	Mr. Sandeep V. Raut	Effect Of Ultrasonic Vibration On Vegetative Cells And Spore Form Of Bacteria From Milk And Cold Drink	2002-03
6.	Miss. Sarita V. Gupta	Isolation And Characterization Of <i>Bacillus Thuringiensis</i> Strains From Ecosystem Of Central India	2002-03
7.	Mr. Anand N. Gupta	Growth Kinetics And Fermentation Of Two <i>Bacillus Thuringiensis</i> Strain	2003-04
8.	Miss Pooja K Sharma	Effect Of Mildewproof And Bacteriostatic Finishing On Tensile Strength Of Cotton Textile	2003-04
9.	Mr. Yuvraj S. Mohite	Antimicrobial Activity Of <i>Argemone Mexicana</i>	2004-05
10.	Miss Amita Tawari	Antibacterial Activity Of Tea	2005-06
11.	Miss Swati L. Taley	Antifungal Activity Of Tea	2005-06
12.	Miss Madhuri N. Gayakwad	Effect Of Microwaves On High Temperature Tolerant Bacteria	2007-08
13.	Miss Nivedita M. Kulkarni	Production Of Tofu Glycine Max (Soyabean) By Microbial Fermentation	2008-09
14.	Miss Snehal C. Kharche	Studies On Pathogenic Microflora From Semen Sample	2009-10
15.	Miss Snehal N. Thorat	Studies On The Thermophilic Microorganism From Various Food Products	2010-11
16.	Miss Rupali S.	Studies On UTI Infecting Microflora	2010-11

	Dhanokar	And Its Control	
17.	Miss Mitali K. Ramteke	Studies On Banana Wine Fermentation	2011-12
18.	Miss Kalyani R. Patil	Microbial Production Of Vinegar From Different Sources	2012-13
19.	Miss Mohini M. Khakare	Production Of Kombucha By Microbial Fermentation	2012-13
20.	Mr. Vishal S. Wankhade	Studies On Biodiversity Of Planktonic Algae From Akola City	2013-14
21.	Mr. Manoj G.Paraskar	Production Of Banana Beer	2013-14
22.	Miss Pranjal D. Bhople	Designing Of Photobioreactor To Study Biodiversity In Green Algae	2014-15
23.	Miss Renuka J. Chopade	Melanin Producing Black Algae From Fresh Water	2014-15
24.	MrShyam V. Padole	Isolation And Identification Of Mibrobial Flora From Chronic Suppurative Otitis Media	2014-15
25.	Miss. Pratiksha A. Deshmukh	Antimicrobial Activity Of Spiceies On Enteric Bacteria	2015-16
26.	Miss. Pritee S. Dhokane	Production Of Different Types Of Yoghurt By Thermophilic Bacteria	2015-16
27.	Miss. Deepali Datkar	Explotation Of Liquid Biofertilizer For Green Revolution	2015-16
28.	Miss. Anam N. Pathan	Studies Of Melanin Producing Bacteria And Extraction Of A Bacterial Melanin From Sewage Water	2015-16
29.	Miss. Namrata P. Kale	Analysis Of Can Water	2015-16
30.	Miss. Nutan A. Sharma	Isolation And Identification Of Rhizospheric Microflora Of Some Medicinal Plants	2016-17
31.	Mr. Tauseef Ahmad Mehfooz Ahmad	Identification Of Haemolysin Producing Microflora From Blood	2016-17
32.	Mr. Goklesh D. Padiya	Isolation And Identification Of Pathogenic Microflora From Cerebrospinal Fluid Of Human Body	2016-17
33.	Miss. Shubhangi M. Hiralkar	Isolation, Identification And Optimization Study Of Chromobacteria Isolated From Various Sources	2016-17
34.	Mr. Jivan H. Falke	Studies On Aerobic Bacteria Of Saliva	2016-17
35.	Miss. Mamta S. Adhau	Effect Of Broad And Narrow Spectrum Antibiotics On UTI Pathogenic Microflora Causing Veneral Diseases	2016-17
36.	Mr. Mohammed Arshad Abdur Rahim	Production Of Biodegradable Paper And Hard Board From Sugarcane Bagases	2017-18
37.	Miss. Vaidehi K. Khedkar	Production Of Probiotic Curd From Coconut Fruit	2017-18
38.	Miss. Vrushali G.	Production Of Biopesticide By	2017-18

	Shelke	Exploitation Of Tobacco Leaves And It's Products	
39.	Miss. Punam R. Borokar	Production Of Biodegradable Ecofriendly Plastic From Algae	2017-18
40.	Miss. Masarrat Almas Niyazi	Production Of Vinegar From Coconut Water And Its Exploitation As Fungicide	2017-18
41.	Mr. Rajesh P. Bahakar	Production Of Bioethanol From Sugarcane Bagasse.	2017-18
42.	Miss Heena Rathod	Studies On Proteolytic Enzyme Producing Bacteria	2018-19
43.	Miss Monali Sharma	Konbucha Production From Fruits By Microbial Fermentation	2018-19
44.	Miss Nivedita Dhurde	Probiotic Kefir Production From Coconut Milk	2018-19
45.	Miss Jagruti Sadar	Studies On Antimicrobial Properties Of Piper Betel Leaves	2018-19
46.	Miss. Sonali Ugale	Eco-friendly biodegradable plates preparation from sugarcane baggase	2018-19
47.	Miss. Ruchika Lajurkar	Production of liquid biofertilizer from Alovera	2019-20
48.	Miss. Bhakti Sonone	Production of Liquid Bionanofertilizer	2019-20
49.	Miss. Ashwani Wahurwagh	Antifungal activity of piper betal leaves	2019-20
50.	Miss. Shital Gonoje	Vinegar production from Grape resins.	2019-20
51.	Miss. Dnyaneshwari Bhagwatkar	Productionof biofuel from cellulosic paper waste	2019-20

Fellowships and Awards

Fellowship/ Award	Award conferring Organization	Event Organized by
Best Teacher award	Shri Shivaji art, commerce and science college Akola	Shri Shivaji art, commerce and science college Akola On26 th January,Felicitation by Parent Minister Akola,Hon Omprakash Kadu.

(Dr. Archana S. Pethe)
(Professor and HOD Microbiology)



DR.MRS. SWATI NILESH ZODPE

General information

Name (in Block Letters)	:	DR.MRS. SWATI NILESH ZODPE
Qualification	:	M.Sc.Ph.D.Microbiology
Department	:	Microbiology
Current Designation	:	Assistant Professor
Date of Joining	:	13.01.2011 GNA Arts, Commerce & Science college, Barshitakli 02. 03. 2012 Shri.Shivaji College of Arts,Commerce & Science,Akola
Name of Institution	:	Shri.Shivaji College of Arts,Commerce & Science,Akola
Phone No.	:	9011150365
Email	:	z.swati9877@gmail.com

Academic Qualification

Sr.No.	Degree	Name of University/Board	Year	Division
1	Ph.D.	Amaravati University	2006	NA
Title of Ph. D. Thesis : <i>"Studies on Microbicidal Properties of Some Plants for Management of Plant Pathogens"</i>				
2	M. Phil.	-	-	I
3	B.Ed.	-	-	I
4	M.Sc.	Amaravati University	2000	I 3 rd Merit
5	B.Sc.	Amaravati University	1998	I
6	OtherDegree/ Diploma	Certificate course of computer MS-CIT.		

Academic Staff College Orientation / Refresher Course attended:

Name of the Course/ Summer School	Place	Duration	Sponsoring Agency
30 th Orientation Programme Grade A	Academic Staff College, S.G.B.Amravati University, Amravati	05.01.2015 to 31.01.2015	UGC Sponsored
Refresher Course in Biology(Life Science) (Microbiology) Grade A	Botany Department R.T.M. Nagpur University, Nagpur	09.11.2016 to 29.11.2016	UGC Sponsored
Refresher Course in Life Sciences (Microbiology) Grade A	Zoology Department S.G.B.Amravati University, Amravati	07.01.2020 to 20.01.2020	UGC Sponsored
Two Weeks Faculty Development Programme on Research Methodology Grade A	Online	01.10.2020 to 15.10.2020	Pandit Madan Mohan Malviya National Mission on Teachers and Teaching,HRDC New Delhi
Online One Week Faculty Development Programme ICT For Effective Teaching Learning	Online	11.05.2020 to 16.05.2020	SRTM Nanded University,Nanded.
Online One Week Faculty Development Programme on Experiential Learning Methodology – Gandhiji’s Nai	Online	11.05.2020 to 16.05.2020	Pandit Madan Mohan Malviya National Mission on Teachers and

Talim			Teaching,HRDC New Delhi
National SAGE Summer School on Recent Advances in Microbial Bioinoculants for Improvement on Agricultural Sustainability	Online	26.05.2020 to 01.06.2020	SAGE Summer School of Agriculture,SAGE University,Bhopal
Refresher Course in Environmental Studies	Online Microbiology Department S.G.B. Amravati University, Amravati	27.01.2021 to 09.02.2021	UGC Sponsored

Teaching and Research Experience

Teaching Experience	Experience in Years (Including CHB, Adhoc, Resgular)
Teaching Experience at Degree Level	20 yrs
Teaching Experience at Post-Graduate Level	20 yrs
Research Experience	11 yrs

Teaching Experience:

Course Taught	Name of the University/College/Institution	Duration
UG	Shri Shivaji College Of Arts, Commerce And Science, Akola.	10Years as a CHB 07 Years a as a Asst Prof.
	Shankarlal Khandelwal Arts, Science and Commerce college, Akola	10 Years as a CHB
	GNA Arts, Science and Commerce college, Barshitakali, Dist. Akola	1 Year &2 Months as a AsstProf. and Head,Dept of Microbiology
PG	Shri Shivaji College Of Arts, Commerce And Science, Akola	19Years

Membership of professional bodies

- 1 Life Member of Microbiologists Society India.
Life Membership No – L09/327
- 2 Life Member of Indian Science Congress, India
Life Membership No – Submitted Form No.not received

Research papers published in journals

Sr. No.	Title with page nos.	Journal	ISSN / ISBN No.	Whether peer reviewed. Impact Factor,If any
	Study of Air Flora near Solid Waste Dumping Station at Akola. <i>pp.61-64,</i> M. Musaddiq,L.J.Purohi Swati R. Bipte,Imr Khan	<i>Nature Environme and Pollution Technology</i> <i>Vol 3 (1)</i> <i>March 2004</i> (2004)	ISSN 0972- 6268	Techno-Science Publication A Quarterly <i>Scientific Research Journal</i>
	"Effect of plant extract On seed germination And crop growth rate of crops in Vidarbha region". Pp 32-36. Swati R. Bipte, and M. Musaddiq	<i>Amravati University Research J ournal 1(1),</i> <i>July 2004</i> (2004)	-	Published By- <i>Amravati University Amaravati Research Journal</i>
	Studies on "Antimicrobi activity of <i>Azadirachta indica</i> L. on certain foliar pathogens. PP 28-30 Swati R. Bipte, M. Musaddiq	<i>Journal of Microbial Wor</i> <i>2005.</i> <i>Vol.(7) No.1</i> (2005)	ISSN- 0972- 1487	Published By Microbiologists Society
	Drug Sensitivity of Chlorine Resistant <i>Escherichia</i> Isolated	<i>Journal Microbial World 7(1)</i> <i>2005.</i>	ISSN 0972-1487	Published by Microbiologists Society

from Drinking Water Sources. pp 131-133. M. Musaddiq, S.D.Joshi Swati R. Bipte	(2005)		
Isolation and Identification of Pesticide Resistant Bacteria from Agricultural Soil. Pp 139-140. Swati R. Bipte P.S.Parmar, M. Musaddiq	<i>Nature Environmental Pollution Technology.</i> 11(1) 2012 (2012)	ISSN 0972-6268	An Multidisciplinary International Quarterly Scientific Journal (Techno-Science Publication) www.neptjournal.com
Prevalence of <i>Clostridium</i> species from Various Clinical & Non Clinical Environments. PP 187-189. Swati R. Bipte , and M. Musaddiq	<i>Bioscience, Biotechnology Research Communication</i> Vol 5(2):2012; (2012)	ISSN 0974-645	An International Peer Reviewed Journal for Rapid Publication. www.bbrc.in Published by - Society for Science & Nature Bhopal,India
Novel Approach of Use Organic Acids & Salts as Potent Alternative to Antibiotics. pp 45-47. P.G.Umbarkar, S.N.Zodpe	<i>Indian Jr. of Applied Research</i> Vol 3 (5): 2013 (2013)	ISSN 2249-555X,	Peer Reviewed & Referred International Journal Impact Factor: 0.8215 www.ijar.in
Bacterial Resistance to Antibiotic Disinfectant: Today and Tomorrow. PP 76-82 Y.N.Sarode, S.N.Zodpe	<i>International Journal Biotechnology Biosciences.</i> Volume 3 ():2013. (2013)	ISSN 2231 0304	International Journal Published by - <i>International Book House Pvt Ltd.</i> http://www.ibhjournals.co
Bacteriological and Physicochemical Assessment of Potable Water Samples from Taluka Telhara District	<i>International Jr. of Scientific Research.</i> 3 (7): July2014 (2014)	ISSN 2277-8179	Peer Reviewed & Referred International Journal. Indexed with International ISSN Directory, Paris.

	Akola. pp 30-34. P.A.Matre, S.N.Zodpe			I.F.1.8651 DOI – 10.15373/2277817
	Biodiversity of Actinomycetes Species Isolated from Saline Belt of Akola District. Pp 5-7 A.B.Arbat, S.N.Zodpe	<i>Indian Jr. of Applied Research.</i> 4 (7): July 2014 (2014)	ISSN 2249-555X	Peer Reviewed & Referred International Journal Indexed with International ISSN Directory, Paris. Impact Factor: 2.1652. DOI – 10.15373/2249555
	Rhamnolipid Biosurfactant Production by Strain of <i>Pseudomonas aeruginosa</i> using Different Raw Materials Pp 407-413. S.N.Zodpe	<i>International Journal of Current Microbiology and Applied Sciences</i> Vol. 5(5) issue (May 2016) (2016)	ISSN 2319-7706	International Journal I.F. 2.93 Link- http://dx.doi.org/10.20546/ijcmas.2016.505.042
	Biodeterioration of Library resources and possible Approaches for their control pp25-33. P.G.Kalaskar, S.N.Zodpe	International Journal of Applied Research 2016 Vol.2(7) (2016)	ISSN 2394 - 7500	Indexed,Refereed, Multidisciplinary, Peer Reviewed Journal I.F 5.2 Published By- Int Journal of Applied Research www.allresearchjournal.com .
	Assessment of the Bacterial Biodiversity of Halophilic Bacteria at Akola District Pp 1591-1595. Maryam Jabeen, S.N.Zodpe	International Journal of Science and Research (IJSR) Vol 6(4) (2017)	ISSN Online: 2319-7064	Index Copernicus Value (2015): 78.96 Impact Factor (2015): 6.391 www.ijsr.net Paper ID: ART20172610
	Quality Assessment of Green Leafy Vegetables Collected from Different Market Sites of Shegaon and Akola Pp 101-106. M.B.Lahukar,	International Journal of Science and Research (IJSR) Vol 6(4) (2017)	ISSN Online: 2319-7064	Index Copernicus Value (2015): 78.96 Impact Factor (2015): 6.391 www.ijsr.net Paper ID: ART20172610

	S.N.Zodpe			
	Screening of Microorganism from Rhizospheric Soil for Biosurfactant Production using Cheap Raw Material Pp 1596-1602. S.S.Paraskar, S.N.Zodpe	International Journal of Science and Research (IJSR) Vol 6(4) (2017)	ISSN Online: 2319-7064	Index Copernicus Value (2015): 78.96 Impact Factor (2015): 6.391 www.ijsr.net Paper ID: ART20172610
	Isolation and Identification of Oral Microflora and Studies on their Biofilm Production Ability and Antibioqram Pattern. pp-1588-1592 P.B.Adhau, S.N.Zodpe	<i>International Journal of Current Medical and Pharmaceutical Research</i> Vol3(4) (2017)	ISSN 2395-6429	I.F.3.555 Link- http://dx.doi.org/10.24327/23956429.ijcmpr.20170001 .
	Bacterial Profile And Antibioqram Pattern Of Uropathogens Causing UTI In Pregnant Women pp- 1558-1561. P.Tayade, S.N.Zodpe	International Journal of Current Medical and Pharmaceutical Research Vol3(4)(2017)	ISSN 2395-6429	I.F.3.555 Link- http://dx.doi.org/10.24327/23956429.ijcmpr.20170001 .
	Screening and Isolation of Pigment Producers and Non-pigment Producers Actinomycetes from Rhizospheric Soil Sample pp-1570-1578 V.P.Dhawane, S.N.Zodpe	<i>Int.J.Curr.Micr obiol.App.Sci</i> (2017) 6(5): <i>International Journal of Current Microbiology and Applied Sciences</i> (2017)	ISSN: 2319-7706	Link- http://doi.org/10.20546/ijcmas.2017.605.171 Published By-Excellent Publisher
	Spectrum of Uropathogens of Diabetics along with Antibacterial Activity	<i>International Journal of Scientific Research</i> Volu	ISSN: 2277-8179	Index Copernicus Value 93.98 Impact Factor 4.578 DOI :

	of Herbal Plants and Profile of Antibacterial Resistance.pp-27-29. U.M.Dagwar, S.N.Zodpe	me 7 Issue7 July-2018 (2018)		10.15373/22778179
	Studies on Enzyme Profile & N2 Fixing Ability of <i>Azotobacter sp</i> from Rhizospheric soil pp- 46-50 S.V.Kute, S.N.Zodpe	<i>International Journal of Scientific Development & Research (IJS DR)Vol4(7)</i> (2019)	ISSN: 2455-2631	International Journal www.ijedr.org Paper ID : IJS DR1907010
	Bioremediation Of Textile Dyes: An Environment Friendly Aspect pp. 35315-35319 S.N.Zodpe	<i>International Journal of Recent Scientific Research Vol. 10, Issue, 10(C), , October, 2019</i> (2019)	ISSN: 0976-3031	International Journal of Recent Scientific Research DOI: 10.24327/IJSR http://dx.doi.org/10.24327/ijrsr.2019.1010.4078
	To Study The Antimicrobial Potential of Pyocyanin Extracted From <i>Pseudomonas aeruginosa</i> PP – 161-166 S.N.Zodpe	International Journal of Engineering Development and Research <i>IJEDR 2019 / Volume 7, Issue 4 (2019)</i>	ISSN: 2321-9939	International Journal (www.ijedr.org) Paper ID : IJEDR1904029
	Screening of Low Density Polythene Degrading Microflora From Garbage Soil. PP – 110-116 K.P.Patinge, S.N.Zodpe	<i>International Journal of Scientific Research in Science & Technology (IJSRST)Vol.7(4)(2020)</i>	ISSN: 2395-602X	Peer Reviewed & Refreed International Journal I.F. 5.327 doi : https://doi.org/10.32628/IJSRST207435
	Diversity of bacterial Endophytes from various Agricultural crops.	<i>International Journal of Science & Engineering</i>	ISSN: 2455-2631	An International Open Access Journal I.F. 5.327 Paper ID : :IJS DR2010043

PP – 299-306 S.S.Chatarkar, S.N.Zodpe	<i>Development Research IJSDR Vol.5(10)2020</i>		
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Full papers in conference proceedings

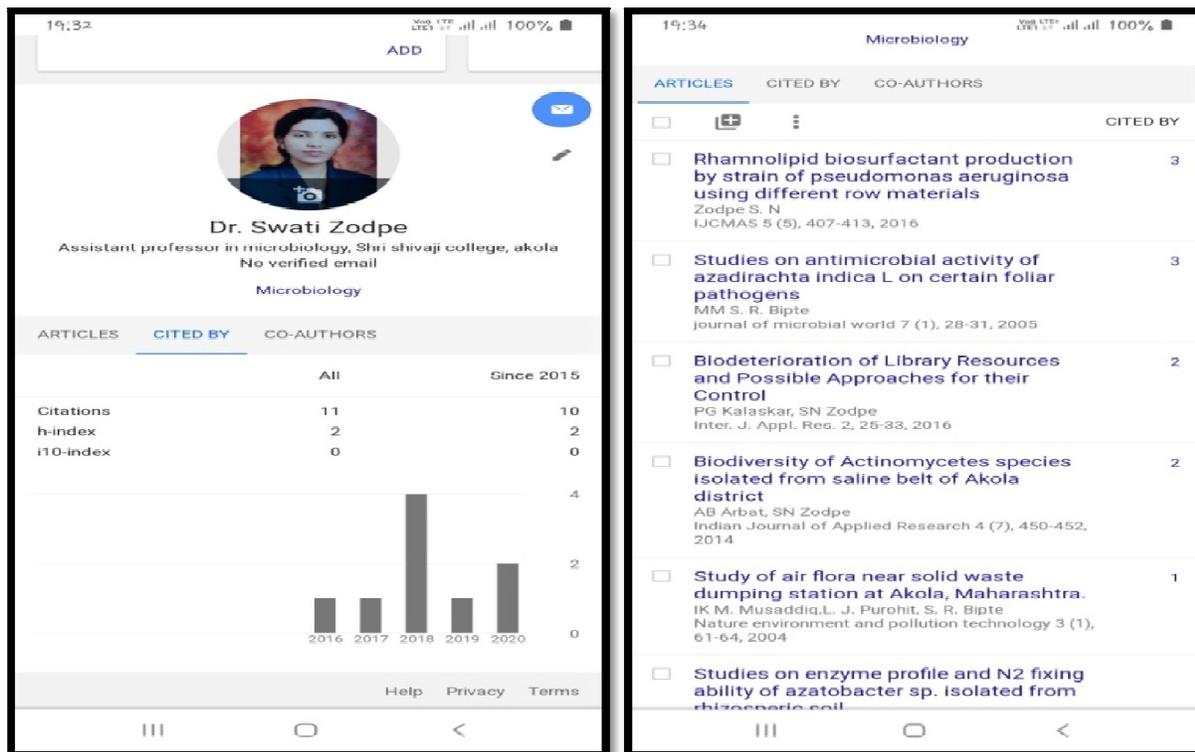
Sr. No.	Title with page nos.	Journal	ISSN / ISBN No.	Whether peer reviewed . Impact Factor, If any	No. of co-authors	Whether you are the main author
1.	Comparative Studies on effect of autoclaved and Unautoclaved <i>Azadirachta indica</i> L.extract on disease incidence in tomato (<i>Lycopersicon esculentum</i> Mill) pp 132-135 Swati R. Bipte , and M. Musaddiq	Biotechnology in Agriculture, Industry and Environment in Proceeding of International Conference Of SAARC Countries. Published by <i>Microbiologists society Karad</i> , 2002. (2002)	-	-	02	Yes
2.	Assessment of antibacterial activity of different toothpaste and tooth powders against oral flora pp 334-339 Sohail Khan, S.N.Zodpe	Proceeding of Innovative Research Trends In Biological Sciences 2012. (2012)	ISBN: 978-81-923621-0-6.	-	02	No
3.	Impact of climate change on Agriculture- A review. pp100-103 S.N.Zodpe , M. Musaddiq	Proceeding of UGC Sponsored Interdisciplinary National Seminar on of Impact of climate change on Agriculture production India.(ICCAPI 2012) In Collaboration with Dr.P.D.K.V.Akola (2012)	ISBN: 978-93-82414-04-9.	-	02	Yes

Research papers presented in conferences / seminars / workshops /conventions

Sr. No	Title of the Paper presented	Title of Conference / Seminar	Organised by	Whether international / national /state/ regional/ college or university level
1.	Studies on on Antimicrobial activity of <i>Azadirachta indica</i> L. on on certain foliar pathogens.	Annual Conference of Association of Microbiologists of India	Gulbarga University, 9 – 11 Nov. 2001	National Level
2.	Comparative Studies on effect of autoclaved and unautoclaved <i>Azadirachta indica</i> L.extract on disease Incidence in tomato (<i>Lycopersicon esculentum</i> Mill)	International Conference of SAARC Countries on Biotechnology in Agriculture, Industry & Environment	Karad. 28 – 30 Dec,2001	International Level
3.	Effect of plant extract on seed germination and crop growth rate of crops in Vidarbha region.	UGC Sponsored National Conference on Ethanobotany, Biodiversity and Conservation	Shri. Shivaji College of Arts, Commerce and Science, Akola 18 – 19 Jan , 2003	National Level
4.	Study of air flora near solid waste dumping station at Akola	National Workshop on Muncipal Solid Waste Managment	Amaravati University, Amaravati 25-26 July, 2003	National Level
5.	Comparitive in vitro analysis of fungi isolated from Rhizospheric soil for Indole Acetic acid production	National Conference on Biotechnology for Better Tomorrow.	Shri. Shivaji College of Arts, Commerce and Science, Akola 6th – 7th Feb,	National Level

			2010	
6.	<p>Priyanka Umbarkar & Swati N.Zodpe: Influence of weak acid and antibiotic against the pathogenic microorganism</p> <p>Yogita Sarode & Swati N.Zodpe: Susceptibility and resistance of some clinical isolates to selective antibiotics and disinfectant</p>	Participated and presented paper at 100 th Indian Science Congress, January 3 to 7, 2013, Kolkatta.	100 th Indian Science Congress, January 3 to 7, 2013, Kolkatta	International Level
7.	<p>A. B. Arbat and S.N.Zodpe: Biodiversity of Actinomycetes Species Isolated from Saline Belt of Akola District</p> <p>Pankaj A Matre and S. N.Zodpe: Microbiological assessment of potable drinking water sample from various water sources of Telhara, Dis. Akola</p>	Participated and presented research papers at 101 st Session of Indian Science Congress, organized by Jammu University, Jammu from 3 rd Feb. to 7 th , 2014.	organized by Jammu University, Jammu from 3 rd Feb. to 7 th , 2014.	International Level
8.	<p>D.Dandale, A.Yeole, R.Tiwari and S.N.Zodpe: Optimisation Studies on Rhamnolipid Production of microbial origin.</p>	Participated and presented research papers at UGC Sponsorsd National Conference on Biodiversity Conservation and Role of Microbes in Sustainable Environment Management on 18 th Oct, 2014. Organised by Department of Botany Jawaharlal Nehru Arts, Commerce And Science, College Wadi, Nagpur	Organised by Department of Botany Jawaharlal Nehru Arts, Commerce And Science, College Wadi, Nagpur	National Level

H Index



Conferences / seminars /workshops /conventions /webinars attended

Sr. No.	Title of Conference/ Seminar	Organized by	Whether international / national / state / regional / college / or university	Year
1	Participated in Three Days 42 nd Annual Conference of AMI on Microbial Biotechnology- Milleniums New Vision	Dept of Microbiology, Gulbarga University, Gulbarga held from 9 th -11 th Nov.2001.	National Level Conference	2001-02
2	Participated in Three Days International Conference of SAARC Countries on Biotechnology in Agriculture, Industry and Environment	Y.C.College of Science, Karad and Microbiologists Society, Karad.held on 28-30 Dec,2001	International Level Conference	2001-02

3	Two Days UGC National Conference on Ethanobotany, Biodiversity and Conservation	Dept of Botany, Shri Shivaji College of Arts, Commerce And Science, Akola on 18 th -19 th January, 2003	National Level conference	2002-03
4	Participated in Two Days National Workshop on Municipal Solid Waste Management	Dept of Microbiology ,Amravati University, Amravati held on 25-26 July.2003	National Level Workshop	2003-04
5	Participated in One Day Students Conference in Microbiology Jointly Organized by Dept of Microbiology,	Shri Shivaji College of Arts, Commerce And Science, Akola and Microbiologists Society held on 15 th December,2007	College Level conference	2006-07
6	Participated in One Day University level workshop for students on Application Of Information Technology for Life Science (AITLS-2010)	Organized by Shankarlal Khandelwal Arts, Science and Commerce College, Akola held on 30 th Jan 2010	University level workshop	2009-10
7	Participated in Two Days National conference on Biotechnology For Better Tomorrow (NCBBT-2010)	Life Sciences, Shri Shivaji College of Arts, Commerce And Science, Akola held on 6 th and 7 th Feb, 2010	National Level conference	2009-10
8	Participated in UGC sponsored One day National seminar on “Biodiversity And its Conservation Need Of The Day”	Shri Shivaji college Akot, held on 15 th Jan, 2011	National seminar	2010-11
9	Participated in One Day State level workshop on Research Methodologies In Science	Shankarlal Khandelwal Arts, Science and Commerce college, Akola on 26 th Feb 2011.	State level workshop	2010-11
10	Participated in Two Days U.G.C. sponsored National conference on Advance In Life Science For Sustainable Rural Development (ALSSRD-2011) organized by	Shankarlal Khandelwal Arts, Science and Commerce college, Akola held on 11 and 12 th Oct, 2011.	National conference	2011-12
11	Participated in Two Days U.G.C. sponsored National conference on Innovations In Bio-Sciences (IBS)	R.A. College, Washim held on 14 th 15 th Oct, 2011	National conference	2011-12
12	Participated in Two days	Ramkrishna Mahavidyalaya,	International Interdisciplinary	2011-12

	International Interdisciplinary Conference on Women Empowerment held in	Darapur. On 25 th 26 th Nov, 2011	Conference	
13	Participated in Two days National Conference On Innovative Research Trends In Biological Sciences NCIRTBS-2012	Shri Shivaji College of Arts, Commerce and Science Akola held on 8-9 September, 2012	National conference	2012-13
14	Participated in One Day U.G.C. sponsored Interdisciplinary National Seminar on Impact Of Climate Change On Agriculture Production In India	Shri Shivaji College of Arts, Commerce and Science, Akola. 6 th October 2012	National Seminar	2012-13
15	Participated in Eight Days Workshop on Effective Communication Skill in English for Senior College Teacher organized by	Department of English, Shri Shivaji College Of Arts, Commerce And Science, Akola during 5 th -13 th April, 2013	College Level Workshop	2012-13
16	Participated in Two Weeks Workshop on Information and Communication Technology (ICT)	Department of Commerce, Shri Shivaji College Of Arts, Commerce And Science, Akola during 5 th -20 th April, 2013.	College Level Workshop	2012-13
17	Participated in One Day Workshop On Role Of IQAC For Sustenance And Enhancement Of Quality In Higher Education	Shri Shivaji College Of Arts, Commerce And Science, Akola on 8 th September 2013.	University level Workshop	2012-13
18	Participated in One Day State Level Microbiology Student's Summit " On Pure Water For Better Health " Held On 10 th Oct, 2013	Department of Microbiology, Shri R. L. T. Science College, Akola in collaboration with Microbiologist's Society of India and S. G. B. Amaravati University, Amaravati. 10 th Oct, 2013	State Level	2013-14
19	Participated in UGC Sponsored National Conference on Biodiversity Conservation And Role Of Microbes In Sustainable Environment	Jawaharlal Nehru Arts, Commerce And Science College, Nagpur On 18 th Oct. 2014	National Conference	2013-14

	Management			
20	Participated in One Day International Conference for students on the theme “Modern Aspects In Microbial Science”	Department of Microbiology in collaboration with Microbiologists society of India On 3 rd Jan. 2015	International Conference	2014-15
21	Participated in One Day workshop on Malnutrition High Protein Diet Tofu From Glycine (Max.)	Department of Microbiology Shri Shivaji College Of Arts, Commerce And Science, Akola on 13 th Feb. 2015	College Level workshop	2014-15
22	Participated in One Day workshop on Validation In Research	Department of Microbiology Shri Shivaji College Of Arts, Commerce And Science, Akola on 14 th March , 2015	College Level workshop	2014-15
23	Participated in State Level Seminar Sponsored by Shri Shivaji Education Society on Role of IQAC in Quality Enhancement in Higher Education	held in Shri Shivaji College of Arts, Commerce and Science Akola held on 17 th April,2015	State Level Seminar	2014-15
24	Participated In National Education Policy- Block Level Consultation Meeting Akola Taluka Organised by Shri Shivaji College Of Arts, Commerce And Science, Akola on 28 th Oct., 2015	Shri Shivaji College Of Arts, Commerce And Science, Akola on 28 th Oct., 2015	College Level Meet	2015-16
25	Participated in One Day Workshop on Bioinstrumentation	Dept of Microbiology and IQAC, Shri Shivaji College Of Arts, Commerce And Science, Akola for M.Sc.II and Research Students on 30 th January,2016	College Level workshop	2015-16
26	Govt of Maharashtra Rashtriya Uchatar Shiksha Abhiyan (RUSA) Participated in One Day Workshop on I for Inclusion: Higher Education Module	Resourse Centre for Inclusive Education Shri. Shivaji College, Akola on 20 th January,2017	College Level Workshop	2016-17
27	Participated in Two Days National Conference on Recent Trends and Oppurtunities in Life Sciences Sponsored by	Department of Botany, Microbiology and Zoology on 24-25 th January,2017	National Conference	2016-17

	BCUD Savitribai Phule Pune University			
28	Participated in One Day Interdisciplinary Workshop for U.G. & P.G. Students on Production of Cheddar Cheese by Microbial Fermentation	IQAC and Dept of Microbiology Shri Shivaji College of Arts, Commerce and Science Akola held on 16 th Feb,2017.	College Level workshop	2016-17
29	Participated in Two days International Conference on Recent Trends In Science And Technology Sustainable Development Though Scientific Approach(ICRTS-2017)	organized by Shri Shivaji Education Society, Amaravati's Science College, Nagpur On July 12-14,2017.	International Conference	2017-18
30	Participated in Two days DBT Sponsored National conference on Recent Trends In Biotechnology And Biodiversity (NCBB-2017)	Department of Life Sciences Shri Shivaji Science College,Amravati on 22 nd &23 rd Sept,2017	National conference	2017-18
31	Participated in UGC sponsored one day workshop on Research Methodology And Data Analytics Using SPSS	Faculty Of Commerce and IQAC Shri Shivaji College of Arts, Commerce and Science Akola held on 3 rd Feb 2018.	College Level workshop	2017-18
32	Participated in Two days UGC sponsored National Conference On Recent Advances In Chemical Sciences	Department Of Chemistry And IQAC Shri Shivaji College of Arts, Commerce and Science Akola held on 26 and 27 th Feb 2018.	National Conference	2017-18
33	Participated in one day workshop on Biofertiliser Production And Uses organized by Dept of Biotechnology	Dept of Biotechnology Shri Shivaji College of Arts, Commerce and Science Akola held on 13 th Sept 2018	College Level workshop	2018-19
34	Participated in Two days UGC sponsored National Conference On Recent Trends In Life Sciences For Sustainable Development (RTLSSD)-2018..	Organized by Department of Zoology And IQAC Sant Gadage Baba Amravati University On 22-23 rd Jan 2019	National Conference	2018-19
35	Participated in One Day National Symposium Cum	Organized by Dept M:icrobiology And IQAC	National Symposium Cum Workshop	2018-19

	Workshop On Bio-waste as Bio-Resource Sponsored by Sant Gadage Baba Amravati University	Shankarlal Khandelwal Arts Science and Commerce Collage Akola in Collaboration with Microbiology Society India On 23 rd Feb 2019		
36	Participated in State level seminar on My Health My Responsibility : Complimentary To Medicine And Health Care And Teachers Workshop On Teaching Constrains In Microbiology And Allied Sciences	Dept M:icrobiology And IQAC Shri R L T Science Collage Akola in Collaboration with Microbiology Society India On 28 th Feb 2019.	State level seminar	2018-19
37	Participated in One day workshop Akola in collaboration with the office of the joint director, higher education Amravati division on New Accreditation Methodology : An Overview	IQAC Shri Shivaji College of Arts, Commerce and Science Amravati and IQAC Sant Gadage Baba Amravati University Amravati on 28 th March 2019.	College Level workshop	2018-19
38	Participated in One day State Level workshop on Career Opportunities in Green Education	IQAC Shankarlal Khandelwal Arts Science and Commerce Collage,Divisional Forest Office Akola(Wild LifeDivision) and Nisargkatta On10th Aug,2019.	State Level workshop	2019-20
39	Participated in National Conference On Multidisciplinary Research in Science and Technology for Healthy Lifesyle Management NCMRST-2020	Shri R L T Science Collage Akola On 24th January,2020	National Conference	2019-20
40	Participated in One day State Level workshop on Intellectual Property Rights – Awareness Programme Arts and Science College Nachangaon –Pulgaon RTM Nagpur University, Nagpur On4th February,2020.	Arts and Science College Nachangaon –Pulgaon RTM Nagpur University, Nagpur On4th February,2020.	State Level workshop	2019-20
41	Participated in one day Online workshop on Fine Tuning Research using Elsevier Tools:Science	Dept of Commerce K.J.Somaiya College of Science & Commerce, University of Mumbai in	State Level workshop	2019-20

	Direct, Scopus and Mendely	Collaboration with Elsevier organizes on 26 th April,2020.		
42	Participated in One Day Online National Webinar on CAS Promotion – Issues & E Content Development	Dnyandeo Mohekar Mahavidyalaya, Kalamb on .04.26020.	Online National Webinar	2019-20
43	Participated in Online Webinar on topic Converting Lockdown Period into Golden Period- The Role of Women	organized by Shri Shivaji College of Arts,Commerce &Science,Akola on 13 th April,2020.	Online College LevelWebinar	2019-20
44	Participated in Four Days Online Webinar on An Effective Research Paper Writing Skill	Commerce & Management Studies,Surat Gujrat.from 13 th - 16 th April,2020.	Online NationalWebinar	2019-20
45	Participated in Online Course on Infection, Prevention & Control (IPC) for Novel Corona Virus (COVID-19).	World Health Organisation on 16 th April,2020.	Online Course	2019-20
46	Participated in Online Course on Severe Acute Respiratory Syndrome (SARI)	World Health Organisation on 17 th April,2020.	Online Course	2019-20
47	Participated in Online One Week e- Short Term Course on Common Microbial Diseases	Dept of Microbiology, Shri Vyanktesh Arts,Commerce &Science College,Deulgaon Raja from 27 th Apri- 30 th May,2020.	Short Term Course	2019-20
48	Participated in Online e-Course in Sericulture	Dept of Zoology RLT Science College,Akola.from 11 th -14 th May,2020.	Short Term Course	2019-20
49	Participated in Online International e-Conference On Strategies and Challenges in Higher Education During COVID-19 Lockdown Period in India	Govt of Maharashtra Govt Vidarbha Institute of Science and Humanities,Amaravati.from 15 th -17 th May,2020	Online International e-Conference	2019-20
50	Participated Online in Forest Conservation Day	Organized by Department of Botany and IQAC, Shri Shivaji College of Arts, Commerce and Science, Akola (MS) On 23rd July 2020	Day Celebration	2020-21
51	Participated Online in Immunity Development to	organized by the Department of Zoology and	International Webinar	2020-21

	Combat Covid – 19”	IQAC Shankarlal Khandelwal Arts Science and Commerce College, Akola, India on 24th June 2020.		
52	Participated Online in International Breastfeeding Week” International Breastfeeding Week”	Organised by Department of Home Science, Shri Shivaji College of Arts, Commerce and Science, Akola (MS) From 01 August to 07 August, 2020	Week Celebration	2020-21
53	Participated Online in COVID 19:Education Policies Challenges and Opportunities	Jointly Organised by Maharashtra Shikshak Aaghadi Govt Vidarbha Institute of Science & Humanities, Amaravati, SAGE University, Bhopal, Vigyanbharati Vidarbha Pradesh, Dr. B. R. Ambedkar Govt College Gangasagar & College of Sakharkheda held on 9 th Aug, 2020	National Conference	2020-21
54	Participated Online in Impact of Spitting on COVID-19	Organised by NSS Unit Sant Gadge Baba Amravati University, Amravati on 26th November 2020	University Level Webinar	2020-21
55	Participated Online in International E Conference on Innovative Research Trends in Life Sciences	Organised by Dept of Life Sciences Shri Shivaji College of Arts, Commerce & Science, Akola in Collaboration with Indian Science Congress Association Amaravati Chapter on 3, 4 & 5 th Dec. 2020	Online International e-Conference	2020-21
56	Participated Online in Intellectual Property Rights (IPR)	organized by Internal Quality Assurance Cell (IQAC) & Research Assessment Committee (RAC) of Shri Shivaji College of Arts, Commerce & Science, Akola in Collaboration with IPR Cell (Sponsored by RGSTC, Mumbai) Sant Gadage Baba Amravati University, Amravati on dated 20th January 2021	Online University Level Workshop	2020-21

57	Participated Online in “Teacher’s Role in National Education Policy Implementation”	Niti Aayog And Bhartiya Shikshan Mandal In Collaboration With Sant Gadge Baba Amravati University Amravati on 12th February 2021	University Level Webinar	2020-21
58	Participated in Online National Webinar on topic Stress and Anger Management through Mindfulness	organized by Library Resource Centre Sushant University in Collaboration with National Brain Research Centre (NBRC) Ministry of Science & Technology, Manesar Gurgaon on 25 th June 2021	National Webinar	2021-22

Publications other than journal articles (Articles / Chapters published in books)

Book Title	Publisher	ISSN/ISBN No.
Current Updates in Life Sciences	Pandit Jawaharlal Nehru Study Centre Shri. Shivaji College of Arts, Commerce Science, Akola (MS)	ISBN 978-81-923621-82
Compendium of Research Insight of Life Science Students Sector - Microbiology Volume – 2; Year - 2020 Total -4 Chapters	Published By : Dr. P.Saranraj	ISBN 978-81-947154-5-0
Article in News Paper Title Dnyanrupi Gurunchi Shikwan Written By: Dr. Mrs.Swati N.Zodpe Dr.Rachana R.Pachori	E Lokmat News Paper Manthan Supplement Date : 5 th July, 2020	Page No.7 Powered By – erelego.com
Article in Shivdarshan Magazine Topic :Self Discovery : A Journey of Self Loving Written By: Dr. Mrs.Swati N.Zodpe		
Editorship of Book. “Frontiers in Life Science Volume III	Published by Bhumi Publication house, Kolhapur in June- July, 2021 National Publication	ISBN: 978-81-953600-3-1
Compendium of Research Insight of Life Science Students Sector - Microbiology Volume – Year - 2021	Published By : Dr.P. Saranraj JPS Scientific Publication National Publication	

Total –3 Chapters		
Soil Microbiology Practical Handbook M.Sc.I Semester I Book Editor	Amazon Link - https://www.amazon.in/dp/B09JHPKCZJ International Publication Published by My RaysPublicationCentre Powered by International Journal of Microbial Science	ISBN: 978-93-5526-076-5
Microbial Enzymology, Biostatistics & Computer Application Practical Handbook M.Sc.I Semester II Book Editor	International Publication Published by My Rays Publication Centre Powered by International Journal of Microbial Science ISSN :2582-967X	ISBN: 978-81-954818-5-9

Research guidance

Sr. No.	Number Enrolled	Degree awarded
M. Phil.	-	-
Ph. D.	Recognised Ph. D. Supervisor by S. G. B. Amaravati University, Amaravati Notification No.58/2021 Dated : 21.06.2021 Serial No.121	
M.Sc.	Guided 33 Co guided 03	36

Co-Guided 3 students for dissertation of M.Sc. (Microbiology) of Agnihotri college, Wardha under RTM University, Nagpur.

Sr. No.	Name of Student	Topic of Dissertation	Academic Year
1	Mr. Kiran Tekade	Comparative in-vitro analysis of fungi isolated from Rhizospheric Soil for Indol Acetic Acid Production	2008-2009
2	Mr. Mahesh Rokade	Isolation and identification of pesticide resistant bacteria from Agricultural soil	2008-2009
3	Mr. Deepak Baringe	Prevalence Of <i>ClostridiumSpecies</i> From Various Clinical And Non clinical Environments.	2009-2010

Student under guidance for dissertation of M.Sc. (Microbiology) under SGB Amravati University.

Sr. No.	Name of Student	Topic of Dissertation	Academic Year
---------	-----------------	-----------------------	---------------

1	Mr. Sohail Khan	Assessment of antibacterial activity of different toothpaste and tooth power against oral flora	2011-12
2	Ms. Priyanka Umbarkar	A novel approach of use of weak acids and salts as a potent alternative to antibiotics.	2012-13
3	Ms. Yogita Sarode	Bacterial resistance to antibiotic and disinfectant: today and tomorrow.	2012-13
4	Ms. Ashwini B. Arbat	Biodiversity of <i>Actinomycetes spp.</i> From Saline Belt of Akola District.	2013-14
5	Mr. Pankaj Matre	Physico-Chemical & Bacteriological Analysis of Water From Telhara District Akola.	2013-14
6	Ms. Archana Yeole	Environmental and Nutritional factors effecting Rhamnolipid production.	2014-15
7	Ms.Durga Dandale	Isolation and identification of Rhamnolipid producing strain from various sources.	2014-15
8	Ms.Rashmi Tiwari	Production of Rhamnolipid Biosurfactant by using different raw materials.	2014-15
9	Ms. Pooja G. Kalaskar	Biodeterioration of Library Resources and Possible Approaches for Their Control	2015-16
10	Ms. Priti A.Sable	Microbial Decolorisation of Azo Dyes: An Ecofriendly Aspect.	2015-16
11	Ms.Maryam Jabeen	Assessment of the Bacterial Biodiversity of Halophilic Bacteria at Akola District	2016-17
12	Ms.Megha B. Lahukar	Quality Assessment of Green Leafy Vegetables Collected from Different Market Sites of Shegaon and Akola	2016-17
13	Ms.Pratibha B. Adhau	Isolation and Identification of Oral Microflora and Studies on their Biofilm Production Ability and Antibioqram Pattern”	2016-17
14	Ms.Pratiksha Tayade	Bacterial Profile and Antibioqram Pattern of Uropathogens causing UTI in Pregnant Women	2016-17

15	Ms.Sneha S. Paraskar	Screening of Microorganism from Rhizospheric Soil for Biosurfactant Production using Cheap Raw Material.	2016-17
16	Ms.Vedika. P. Dhawane	Screening and Isolation of pigment Producers and Non-pigment producers Actinomycetes from Rhizospheric Soil.	2016-17
17	Ms.Ashwini A.Wanere	Antimicrobial Activity of Actinomycetes Isolated from Rhizospheric Soil against Clinical Pathogens.	2017-18
18	Ms.Jayashree R. Ghotkar	Isolation of Bactericin Producers and Antibiogram Profile of Bacteria Isolated from Clinical Samples.	2017-18
19	Ms.Nayan G. Borokar	Screening of ESBL Producers from Blood Stream Infection and their Antibiogram Profile Studies.	2017-18
20	Ms.Sonal S.Gawande	Studies on Microbial Decolorisation and Degradation of Azo Dyes.	2017-18
21	Ms. Utakarsha M. Dagwar	Spectrum of Uropathogens of Diabetics along with Antibacterial Activity of Herbal Plants and Profile of Antimicrobial Resistance.	2017-18
22	Ms.Afshan Sadaf Syed Tanveer	Bioremediation of Textile Dyes: An Environment Friendly Aspect.	2018-19
23	Ms.Aarti P.Rathi	To study the Antimicrobial Potential of Pyocyanine Extracted from P.aeruginosa.	2018-19
24	Mr.Kushal N.Rajurkar	Microbial Diversity of Municipal Solid Waste of Akola and its Antibiogram Study.	2018-19
25	Ms. Sharayu V.Kute	Studies on Enzyme Profile and N ₂ Fixing Ability of Azatobacter sp.isolated from Rhizospheric Soil.	2018-19
26	Ms.vDarshana B.Ramchaware	Isolation of Melanine Producers from <i>Actinomycetes</i> sps	2019-20
27	Ms.Kalyani Patinge	Screening of Low Density Polythene Degrading Microflora From Garbage Soil.	2019-20

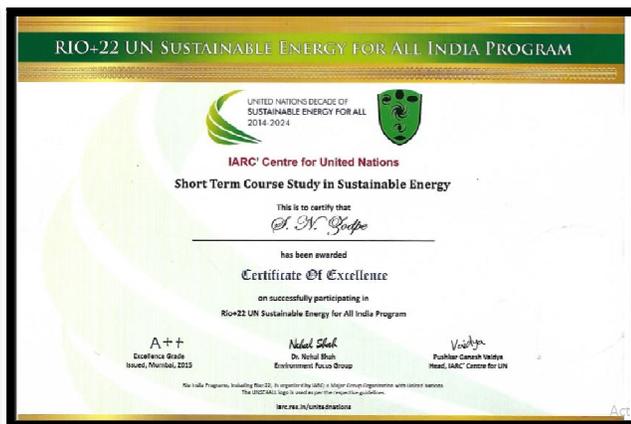
28	Ms.Kanchan S.Ghanmode	Antibacterial activity of <i>Azadirachta indica</i> L.against Biofilm producer organism isolated from Clinical Samples.	2019-20
29	Ms.Shinani S.Chatarkar	Diversity of bacterial Endophytes from various Agricultural crops.	2019-20
30	Ms.Komal Dhanokar	Production of Humus from Garden Waste	2020-21
31	Ms.Sneha Kharode	Production of Biogas from Kitchen Waste	2020-21
32	Mr.Tulsidas Munde	Preparation of Compost from Farm Waste by <i>Bacillus</i> species	2020-21
33	Mr.Vaibhavsingh Suryawanshi	Preparation of Compost from Animal Manure& its Effect on Pigeon Pea Crop Growth	2020-21

Patent particulars

Sr. No.	Patent Title	Date of publications	No. of Co-authors	Whether you are the main author

Fellowships and Awards

Fellowship/ Award	Award conferring Organization	Event Organized by
RIO + 22 UN Sustainable Energy for All India Programme, 2015 (Short Term Course Study in Sustainable Energy) <u>Excellence Grade A++ with Silver Medal.</u>	UN Sustainable Energy for All India Programme, 2015	(Short Term Course Study in Sustainable Energy) UN Sustainable Energy for All India Programme, 2015



<p>Secured 2nd Prize from Category Faculty member in Essay Competition on Forest Conservation Day Topic – Essay on tour to Tadoba National Park</p>	<p>Shri Shivaji College of Arts,Commerce & Science,Akola.</p>	<p>Organised by Dept of Botany,Shri Shivaji College of Arts,Commerce & Science,Akola on 23rd July,2020.</p>
<p>Secured 1st Prize from Category Faculty member in Poster & Slogan Competition held in Breast Feeding Week</p>	<p>Shri Shivaji College of Arts,Commerce & Science,Akola</p>	<p>organized by Dept of Home science, Shri Shivaji College of Arts,Commerce & Science,Akola on 2nd August,2020</p>

Dr.Mrs.Swati N.Zodpe
Assistant Professor
Department of Microbiology
Shri Shivaji College , Akola

Syllabus

Link of UG Microbiology Syllabus

B.Sc.I Semester I

<https://docs.google.com/document/d/1f-s-1GEnC-t2E6NCtgwkjxBzt6dcM6hO/edit?usp=sharing&oid=113128160845604700269&rtpof=true&sd=true>

B.Sc.II Semester II

https://docs.google.com/document/d/1Qsy2L_9LXaE1y4-Hj4HGu8JrSTGFqPTr/edit?usp=sharing&oid=113128160845604700269&rtpof=true&sd=true

B.Sc.II Semester III

<https://docs.google.com/document/d/1z9jLfsg-t76vwFYZoYW1GT76FVTXsKF5/edit?usp=sharing&oid=113128160845604700269&rtpof=true&sd=true>

B.Sc.II Semester IV

<https://docs.google.com/document/d/1ZAdeaz4cRuvBrx-tO73i0oekkanfx4ug/edit?usp=sharing&oid=113128160845604700269&rtpof=true&sd=true>

B.Sc.III Semester V

https://docs.google.com/document/d/1-UCKezFWCvb7BfgMw_J2JT2WxlDRShuo/edit?usp=sharing&oid=113128160845604700269&rtpof=true&sd=true

B.Sc.III Semester VI

https://docs.google.com/document/d/1246F_mI9vpOvfpb5FX9QgpT2nzdKVbUI/edit?usp=sharing&oid=113128160845604700269&rtpof=true&sd=true

Link of PG Microbiology Syllabus

M.Sc.I Semester I

<https://docs.google.com/document/d/1PSL3pUIIXEduqKhuMHjFVhqU1xh6B3SN/edit?usp=sharing&oid=113128160845604700269&rtpof=true&sd=true>

M.Sc.I Semester II

<https://docs.google.com/document/d/1QTNJMfnLL1HJqmwLTxBrhJlegjk5QljV/edit?usp=sharing&oid=113128160845604700269&rtpof=true&sd=true>

M.Sc.II Semester III

https://docs.google.com/document/d/1KhFhqsZQf2ghDLsBnQbtMzqd1puYwR_R/edit?usp=sharing&oid=113128160845604700269&rtpof=true&sd=true

M.Sc.II Semester IV

<https://docs.google.com/document/d/1hYLCQNu6gDhuSbZUIZmElqREqLBqHxYh/edit?usp=sharing&oid=113128160845604700269&rtpof=true&sd=true>

Activities
Department of microbiology

Activities 2016-17

Science Model Exhibition for B.Sc. Part I on 26/09/2016
from 11:00am – 4:00pm

No.of students participated – 90
No.of Teachers participated – 90



Guest lecture of Dr. Mukund Bodhankar, from Bhararti Vidyapith, Pune on topic Reserch Methodology and Plagarism on 11/02/17

No.of students Attended -31
No.of Teachers Attended - 09



One Day Interdisciplinary Workshop for UG and PG students on Probiotic production of Cheddar Cheese by Microbial fermentation organized by Dept. of Microbiology in collaboration with IQAC16/02/17

Year of the activity 2017
Number of teachers participated 10
Number of students participated 50



Guest lecture of Dr. Sadhana D. Lote, from Lote Hospital, Akola on topic UTI and Venereal transmitted diseases. 17/02/2017

No.of students Attended -48
No.of Teachers Attended -12



**One Day Seminar for UG and PG students
on Cashless Transection organized by Dept. of Microbiology , Speaker from Computer
Science Department(Mr. A Bhilkar, Mr. C.R Mankar, Ms Neehan Aeman), Shri Shivaji
College, Akola. 23.02.2017**

Year of the activity 2017

Number of teachers participated 10

Number of students participated 50



A Guest Lecture by Dr. V.r.Gupta Department of pLAnt pAthoLoGy, Dr.P.D.K.V. AKoIA on Biofertilizer Production for uG and PG StudentS on 17thMarch, 2017 Organized by dept Of MicrObiOlOgy,Shri Shivaji cOlIege Of Arts,CommerCe & sCienCe, AKoIA

No.of students Attended -60

No.of Teachers Attended - 09



Activities 2017-18

**Guest Lecture by Dr.K. R. Gawai Head Biochemistry, Savitribai Phule Vidyapeeth,Pune
organised by Dept of Microbiology,Shri Shivaji College of Arts,Commerce & Science,
Akola on5th August, 2017**

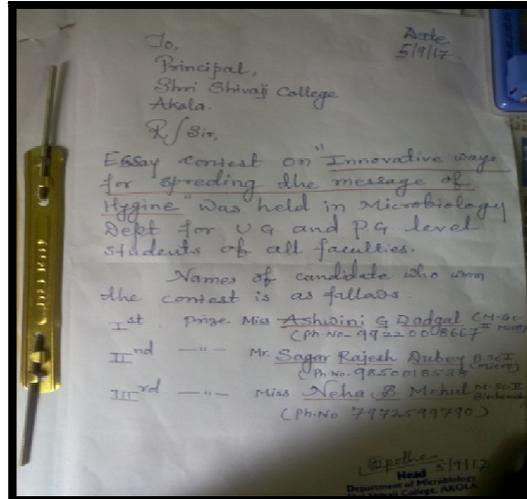
No. of students Attended –20

No. of Teachers Attended - 08



AssAy Contest on InnovAtive wAys for spreAdIng the messAge of hyglene wAs held In Dept of Microbiology on 5th Sept,2017 for UG and pG StUdentS of all facUI ties orGaniSed by Shri.Shivaji Col l ege of artS,CommerCe and SCienCe,akol a in Col l aboratiOn with govt Medical col l ege,akol a in 2017(Swacchata abhiyan & environMental awareneSS)

Number of teachers participated 04
 Number of students participated 20



A visit to Govt LAdy HArdinG HospitAl by MicrobioLoGy stAff And UG students on 08.08.2017 to know the different methods of Biomedical waste Disposal

Number of teachers participated 04

Number of students participated 34



A Visit to Central Instrumentation Cell of Shri.Shivaji College of Arts, Commerce & Science, Akola by B.Sc. II Semester III Microbiology Students as a part of Curriculum. (17/09/19)

No. of students Attended -123

No. of Teachers Attended - 03



**Guest Lecture by Dr. A. B. Ingle Department of Microbiology, S.K. Porwal College,
Kamptee R.T.M, Nagpur university Nagpur. 18th January, 2018**

No.of students Attended -20

No.of Teachers Attended - 08



A Lecture is delivered by dr. PrAsAd sor on vArious tyPes of cAncer And conducted medical health check-up camp organized by dept of Microbiology,Shri Shivaji col lege of artS,coMMerce & Science, akola 21st Feb, 2018

Number of teachers participated 15

Number of students participated 58



A poster competition was held for p.G. students on their research topic in department of microbiology and prizes distributed. 27th March 2018

Number of teachers attended 15

Number of students attended 46



Activities 2018-19

Programme organized by rotary Club, akola a on 17 Jan 2019

Number of teachers attended 15

Number of students attended 46



Career guidance by Mr. Patil by unique aCadeMy, Pune on 17 Jan. 2019

Number of teachers participated:12

Number of students participated: 46



**Opening Of Microbiological Society Unit by the hands Of dr. V. d. nanoty,
Zonal President on 31st Jan 2019**

Members for Unit president: Mr. Aniket Thakare

Members for Unit Secretary: Miss. Kalyani Patinge

Members for Unit Treasurer: Miss. Kanchan Ghanmode



Model Competition for B.Sc.i Students on different topics of Microbiology organized by dept of Microbiology, Shri Shivaji college Akola on 31st Jan 2019

Number of teachers participated 10
Number of students participated 125



A guest Lecture by Dr. A.M. DeshMukh sir

Dr. A. M. DeshMukh Del ivered D ecture on scope of Microbiology for u.g & P.G StudentS on 31st Jan 2019

Number of teachers participated 10

Number of students participated 125



Fel icitation of Renoued doctoRs and Pathol ogists of akol a FoR theiR social awareness - Dr. rajesh Kate, Dr. abhay Patil , Dr. DiPaK More, Dr. Shriram Lahole, Dr. mrS. KheLKar on 6th Feb. 2019

No. of teachers attended: 12

No. of students attended:47



Dr. Saifi Tayyab Del ivered l ecture on genetics on 25th Feb. 2019

No. of teachers attended: 09

No. of students attended:48



Dr. Gauri NaNoty Delivered Lecture on awareness about thyroid and PCOD on 26th Feb 2019

Number of teachers participated: 08

Number of students participated: 35



Dr. Aashish Girhe Delivered Lecture on Primary Aid of heart Attack cPr training on 26th Feb 2019

Number of teachers participated : 12

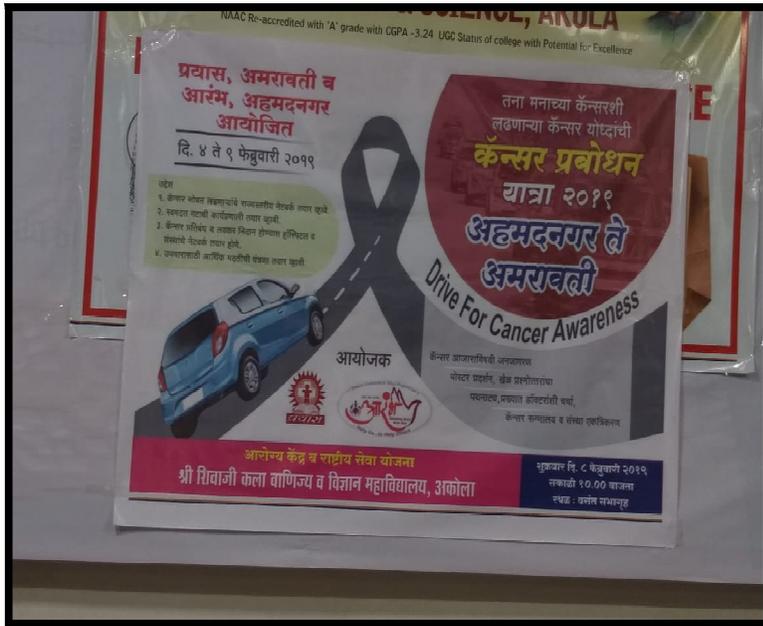
Number of students participated: 42



Dr. Avinash sAoji Del ivered l ectrue on cAncer Prabodhan on 28th Feb. 2019

Number of teachers participated: 12

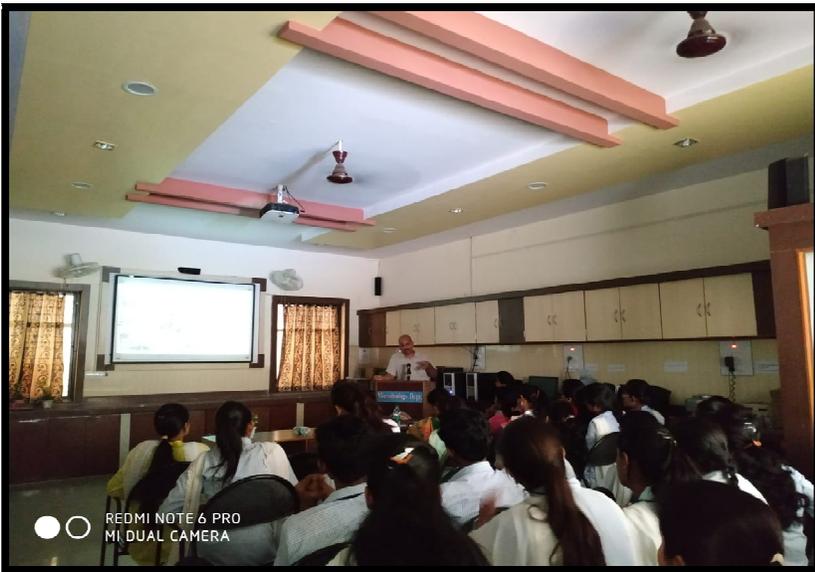
Number of students participated: 53



A. P. JAdhAv delivered lecture on Biotechnology on 1st March 2019

Number of teachers participated : 08

Number of students participated: 38



Trial of BioferTiliser in field By Mr.rAM darade, organized By depT of Microbiology ,Shri Shivaji college akola

Number of teachers participated 01

Number of Village People participated : 16



***Piper Betal* plantation and its medicinal values by shubhangi apotikar
organized by dept of Microbiology ,Shri Shivaji college akola**

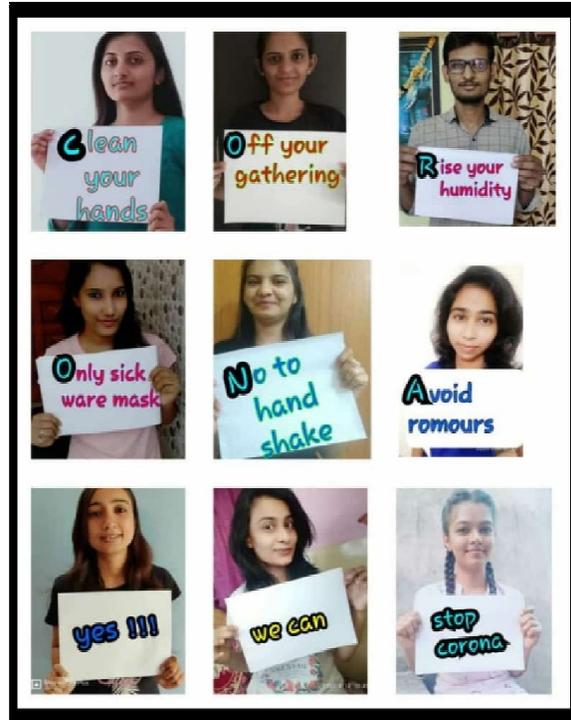
Number of teachers participated 01

Number of Village People participated : 16



Activities 2019-20

Swachh Bharat Abhiyan Shivaji College Akola,2020 COVID 19 awareness program



Activities 2020-21

International e ConferenCe on Innovative ReseaRch tRends in Life Sciences

3,4& 5th Dec.2020 Oroganised by Dept of Life Sciences Shri Shivaji College of

Arts,Commerce & Science,Akola in Collaboration with Indian Science Congress

Association Amaravati Chapter

Invitation

INTERNATIONAL E-CONFERENCE
ON
INNOVATIVE RESEARCH TRENDS IN LIFE SCIENCES

Organized by
Department of Life Sciences
Shri Shivaji College of Arts, Commerce and Science, Akola
in collaboration with
Indian Science Congress Association, Amravati Chapter
Date- 3rd to 5th December 2020

Inaugural Function
3rd December 2020 Time:- 11:00 am

Chairman
Hon'ble Shri Harshvardhan Deshmukh,
President,
Shri Shivaji Education Society, Amravati (MS)

Chief Guest & Inaugurator
Hon'ble Hon. Dr. Murlidhar Chandekar,
Vice Chancellor,
Sant Gadge Baba Amravati University, Amravati (MS)

Guest of Honor
Hon. Dr. Yash Pal Sharma
Professor, Department of Botany
Jamnu University, Jammu, India

Guest of Honor
Hon. Dr. N. B. Gaikwad
Professor, Department of Botany
Shri Shivaji University, Kolhapur (M.S.)

Chief Organizer
Dr. R. M. Bhishe
Principal
Shri Shivaji College Of Arts, Commerce And Science, Akola

Co-Organizer
Dr. A. S. Raut
Professor & Coordinator- IGAC

Convener
Dr. P. P. Umale
Professor & Head, Dept. of botany

Co-Organizer
Dr. G. V. Korpe
Professor & Director, Research & Extn.

Organizing Secretary
Dr. D. K. Koche
Professor, Department of Botany

International e- Conference Innovative Research Trends in Life Science
ICRTLS- 2020
(03-05 Dec, 2020)

Conference Schedule

Date	Time	Event Details
03/12/2020	11.00 to 11.30 am (5-1)	Inaugural Function
	11.45 to 12.30 pm (5-2)	Chairman- Hon. Shri Harshwardhan Deshmukh President, Shri Shivaji Education Soc. Amravati Chief Guest: Hon. Murlidhar Chandekar Vice Chancellor, Sant Gadge Baba Amravati University, Amravati Guest of Honor/Key note speaker: Dr. Yashpal Sharma Professor, Department of Botany, Jamnu Univ. Jammu (J. & K.) Guest of Honor/Chairman-Key note speaker: Dr. N. B. Gaikwad Professor, Department of Botany, Shri Shivaji University, Kolhapur (MS)
	12.30 to 1.30 pm (5-3)	Lead Lecture: Dr. G. Madhuchandran Pillai Professor, Department of Life Sciences, Calicut Univ. Kerala
	1.30 to 2.30 pm (5-4)	Plenary talk: Dr. Anilchandra Acharya Professor, Department of Botany, Calicut Univ. India (IC)
	2.30 to 3.00 pm (5-5)	Plenary talk: Dr. Rebecca Thornber Associate Research Scientist, Blue Marble Space, Institute of Science, Washington
	3.30 to 5.00 pm (5-6 & 5-7)	8-guests/ Oral session (Submitted entries will be uploaded on telegram group of conference)
04/12/2020	11.00 to 11.50 am (5-8)	Lead Lecture: Dr. Maheshwar Sen Senior Scientist, Virginia Medical Center, University of Virginia (USA)
	11.50 to 12.40 pm (5-9)	Plenary talk: Dr. Mihail Santelca, Professor, Department of Botany, Savitribai Phule Pune University, Pune (MS)

05/12/2020	12.40 to 1.30 pm (5-10)	Plenary Talk: Dr. Pooja Mhatrekhajale, Professor, Department of Etnic Sciences, Calicut University, India
	2.00 to 4.00 (5-7 & 5-8)	Young Research Award Presentation (Award) Young Research Award Presentation (Res. Student)
	11.00 to 11.30 (5-5)	Lead Lecture: Dr. G. Phadniswar, Senior Scientist, Submarine Food Lab, DRDC, Mysore (Karnataka)
	11.50 to 12.40 pm (5-9)	Plenary Talk: Dr. Angshuman Sarkar, Associate Professor, Department of Biological Sciences, IISc PHILAB, Bose Campus, GOA
	12.40 to 1.30 pm (5-9)	Plenary Talk: Dr. Anilchandra Acharya Senior Scientist, Indian Agriculture and Biotechnology Organizations, BARI, Mumbai
2.00 to 3.00 pm (5-10)	Valedictory Function Chairman- Hon. Shri Harshwardhan Kalmegh Executive Member, ICSA, Amravati (MS) Chief Guest- Dr. Jankaran A. Tidke Professor, Department of Botany, IIScAI, Amravati (MS) Guest of Honor- Dr. Anil Bodakhe, Convener- ICSA Amravati Chapter	

Invitation

INTERNATIONAL E-CONFERENCE
ON
INNOVATIVE RESEARCH TRENDS IN LIFE SCIENCES

Organized by
Department of Life Sciences
Shri Shivaji College of Arts, Commerce and Science, Akola
in collaboration with
Indian Science Congress Association, Amravati Chapter
Date- 3rd to 5th December 2020

Valedictory Function
5th December 2020 Time:- 4:15 pm

Chairman
Hon. Shri. Harshwardhan Kalmegh
Executive Member,
Shri Shivaji Education Society, Amravati

Chief Guest
Hon. Dr. Jankaran A. Tidke
Prof. & Head, Department of Botany, IIScAI, Amravati
Former ICSA, U. S. & Amravati Univ. Amravati

Guest of Honor
Dr. Anil Bodakhe
Asst. Prof. Dept. of Zoology,
J. D. Patel Sanghuldar MY, Daryapur
(Convener- ICSA Amravati Chapter)

Chief Organizer
Dr. R. M. Bhishe
Principal
Shri Shivaji College Of Arts, Commerce And Science, Akola

Co-Organizer
Dr. A. S. Raut
Professor & Coordinator- IGAC

Convener
Dr. P. P. Umale
Professor & Head, Dept. of Botany

Co-Organizer
Dr. G. V. Korpe
Professor & Director, Research & Extn.

Organizing Secretary
Dr. D. K. Koche
Professor, Department of Botany

All Organizing Committee Members

**Virtual Lecture on topic
Career Opportunities in pharmaceutical industries for microbiology &
Other Science Students On 16.12.2020**
Speaker Dr. Anil K. Fokmare

Shri Shivaji Education Society, Amravati's
SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA

NAAC Re-Accredited with A grade with CGPA 3.24
UGC Status of 'College with Potential for Excellence', DST-FIST level-0 Support
Lead College status by S.G.B.A.U. Amravati
Near Shivaji Park, Akola - 444 001 (Maharashtra)
Phone & Fax : 0724 2410435/2411035 Cell : 09970151348

**Virtual Lecture on Topic
CAREER OPPORTUNITIES IN PHARMACEUTICALS INDUSTRIES FOR MICROBIOLOGY
& OTHER SCIENCE STUDENTS**
Date : 16.12.2020 Time : 11.00 a.m.



Hon'ble Harshvardhan Deshmukh
President
Shri Shivaji Education Society,
Amravati



Dr. R. M. Bhise
Principal
Shri Shivaji College,
Akola



**Speaker
Dr. Anil Fokmare**
M.Sc. Ph.D. Microbiology
Vice President (QA)



Dr. A. S. Raut
IQAC Coordinator



Dr. A. T. Pethe
Prof. & Head
Dept of Microbiology



Dr. S. N. Zodpe
Asst. Prof.
Dept of Microbiology

Organizing Committee Members

Dr. Djpall Barate Dr. Monika Thakare Dr. Valshali Chede, Ms. Pooja Mankar, Mr. Ram Darade

Online Quiz On Human Diseases & Disorders
Organised by IQAC, Dept of Biochemistry & Microbiology
Number of Participants 127
Number of Teachers 09

Shri Shivaji Education Society, Amravati's
SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA

NAAC Re-accredited with 'A' grade with CGPA -3.24 UGC Status of college with Potential for Excellence
DST FIST Sponsored, Lead College Status by Parent University

**Internal Quality Assurance Cell (IQAC),
Department of Biochemistry & Department of Microbiology
Organize**

**Online "QUIZ"
on 'Human Diseases and Disorders'**
28 Jan 2021, 11:00 a.m.



Hon'ble Harshvardhan Deshmukh
President
Shri Shivaji Education Society, Amravati



Prof. R. M. Bhise
Principal,
Shri Shivaji College, Akola



Prof. A. S. Raut
Librarian &
IQAC Coordinator



Prof. A. S. Pethe
Head
Dept of Microbiology



Mr. Sanjiv M. Patil
Head
Dept. of Biochemistry



Dr. A. A. Balode
Asst. Prof.
& Organizing Secretary

Organizing Committee

Dr. S. N. Zodpe | Mr. Ravi L Dabhade | Mr. Sachin Bhutekar

Timestamp	Email Address	Score	Name of the candidate	Email id	Contact No.	1. Which of the following is an 2. Is caused due to Inco	
1/28/2021 11:10:43	pranav23@gmail.com	28 / 40	Pranav Vinod Kale	telepranav23@gmail.com		Sickle cell anemia Down's syndrome	
1/28/2021 11:10:43	shivshankarshivhad70@gmail.com	12 / 40	Shivshankar Shivhad	Shivshankarshivhad70@gmail.com	9579018235	Sickle cell anemia Triplex syndrome	
1/28/2021 11:10:43	devashankardevi779@gmail.com	13 / 40	Devashankar Kulkarni	devashankardevi779@gmail.com	8767768874	Sickle cell anemia Down's syndrome	
1/28/2021 11:11:08	ruchitaphale5@gmail.com	10 / 40	Ku Ruchita sunil Phale	ruchitaphale5@gmail.com	0080146248	Down's Syndrome Turner's syndrome	
1/28/2021 11:11:09	sahilambhakar22@gmail.com	8 / 40	Sahil bhavner	sahilambhakar22@gmail.com	8208048753	Down's Syndrome Turner's syndrome	
1/28/2021 11:11:38	parwarakshbhanudas34@gmail.com	16 / 40	Akash bhanudas pawar	parwarakshbhanudas34@gmail.com	9130914092	Sickle cell anemia Triplex syndrome	
1/28/2021 11:11:49	aneshaggevali1999@gmail.com	26 / 40	Ansha Gulab Gevali	aneshaggevali1999@gmail.com	9067592594	Sickle cell anemia Down's syndrome	
1/28/2021 11:12:20	komalshankar05@gmail.com	26 / 40	KomalDinesh Shivwastao	Komalshankar05@gmail.com	8308061122	night blindness Down's syndrome	
1/28/2021 11:12:32	vairnavianarone65@gmail.com	5 / 40	Vairnavi Gajanan Anarone	vairnavianarone65@gmail.com	9168487226	Sickle cell anemia Down's syndrome	
1/28/2021 11:12:47	gajananambekar71@gmail.com	5 / 40	Sahil abbelkar	gajananambekar71@gmail.com	9423513841	Sickle cell anemia Turner's syndrome	
1/28/2021 11:13:18	quanteanmam363@gmail.com	12 / 40	Quantea Adam Aal Khan	quanteanmam363@gmail.com	7720893707	Thalassemia Triplex syndrome	
1/28/2021 11:13:41	sujata_nibole5@gmail.com	24 / 40	Sujata Rahul Raibole	sujata_nibole5@gmail.com	9767046151	Down's Syndrome Turner's syndrome	
1/28/2021 11:13:59	nikhilshastri299@gmail.com	36 / 40	NIKHIL PRAMOD MHASKAR	nikhilshastri299@gmail.com	8809717104	Sickle cell anemia Down's syndrome	
1/28/2021 11:14:13	vrushali.ugale@gmail.com	30 / 40	Vrushali Anu Ugale	Vrushali.ugale@gmail.com	8329848280	Sickle cell anemia Down's syndrome	
1/28/2021 11:14:17	shreyazade@gmail.com	6 / 40	Shreyaz babhakar zode	shreyazade12@gmail.com	8498935415	Sickle cell anemia Triplex syndrome	
1/28/2021 11:14:19	Vairnavinmoh4379@gmail.com	14 / 40	Vairnavi g n m h d		4379	952677097	Down's Syndrome Turner's syndrome
1/28/2021 11:14:45	shivani@mail400@gmail.com	28 / 40	Shivani	shivani@mail400@gmail.com	889466157	Sickle cell anemia Down's syndrome	
1/28/2021 11:14:54	priyanshugunwar18@gmail.com	10 / 40	Priyanshu Sunil Gunwar	priyanshugunwar18@gmail.com	9321690923	Sickle cell anemia Triplex syndrome	
1/28/2021 11:15:04	shivani@mail400@gmail.com	28 / 40	Shivani	shivani@mail400@gmail.com	899466157	Sickle cell anemia Down's syndrome	
1/28/2021 11:15:00	negeepooja908@gmail.com	22 / 40	Pooja Nanasheb Nage	negeepooja908@gmail.com	72197991	Sickle cell anemia Down's syndrome	
1/28/2021 11:15:04	vairnavikangale20026@gmail.com	28 / 40	Vairnavi Nandkisher Kangale	vairnavikangale20026@gmail.com	7888281814	Sickle cell anemia Down's syndrome	
1/28/2021 11:15:33	shrawanibavane@gmail.com	30 / 40	shrawan bavane	shrawanibavane@gmail.com	9358428489	Sickle cell anemia Turner's syndrome	

Timestamp	Email Address	Score	Name of the candidate	Email id	Contact No.	1. Which of the following is an 2. Is caused due to Inco
1/28/2021 11:15:36	harishkumbhare3@gmail.com	28 / 40	Harish Kumbhare	harishkumbhare3@gmail.com	7216887440	Sickle cell anemia Down's syndrome
1/28/2021 11:15:40	vaishnavi345@gmail.com	28 / 40	Vaishnavi sanjay shnal	vaishnavi345@gmail.com	9022656664	Sickle cell anemia Down's syndrome
1/28/2021 11:15:41	samksharkar@gmail.com	18 / 40	Sankshar Vinod Karale	samksharkar@gmail.com	9021517161	Sickle cell anemia Down's syndrome
1/28/2021 11:15:56	gayatrihilal99@gmail.com	20 / 40	Ku. Gayatri Vilas Nalhe	gayatrihilal99@gmail.com	7796283495	Sickle cell anemia Turner's syndrome
1/28/2021 11:15:57	fahreenquasar@gmail.com	24 / 40	Fahreen Quasar Abdul Rafique	fahreenquasar@gmail.com	7588944697	Sickle cell anemia Down's syndrome
1/28/2021 11:16:01	zinharkan8@gmail.com	10 / 40	Qudusya stalkh	zinharkan8@gmail.com	917264026671	Down's Syndrome Turner's syndrome
1/28/2021 11:16:01	zinharkan8@gmail.com	10 / 40	Qudusya stalkh	zinharkan8@gmail.com	9827982670	night blindness Klinefelter's syndrome
1/28/2021 11:16:02	minalmouna079@gmail.com	14 / 40	Minal Mahadeoang Mounas	minalmouna079@gmail.com	7709294711	night blindness Triplex syndrome
1/28/2021 11:16:05	tayade6718@gmail.com	18 / 40	Komal	tayade6718@gmail.com	7709294711	night blindness Triplex syndrome
1/28/2021 11:16:10	atharvurfer2299@gmail.com	18 / 40	Atharv Arvind Rajurker	atharvurfer2299@gmail.com	9021065272	Sickle cell anemia Turner's syndrome
1/28/2021 11:16:20	dnyaneshwanarag087@gmail.com	14 / 40	Dnyaneshwari Shankar Shegok	dnyaneshwanarag087@gmail.com	8010114385	Sickle cell anemia Turner's syndrome
1/28/2021 11:16:24	swatichakananayan802@gmail.com	16 / 40	Swati Raju chakananayan	swatichakananayan802@gmail.com	7028811304	night blindness Down's syndrome
1/28/2021 11:16:24	vaishnavi345@gmail.com	28 / 40	Vaishnavi gadga	vaishnavi345@gmail.com	7620191269	Sickle cell anemia Down's syndrome
1/28/2021 11:16:24	monal.tayade111@gmail.com	28 / 40	Monal Rajendra Tayade	monal.tayade111@gmail.com	7666710247	Sickle cell anemia Down's syndrome
1/28/2021 11:16:30	raningale668@gmail.com	30 / 40	Rajshree Subhashao Ingale	raningale668@gmail.com	5669842031	Sickle cell anemia Down's syndrome
1/28/2021 11:16:32	rupeshpaulzagade25@gmail.com	32 / 40	Rupesh paulzagade	rupeshpaulzagade25@gmail.com	7350734114	Sickle cell anemia Down's syndrome
1/28/2021 11:16:32	dineshkhopade@gmail.com	30 / 40	Dinesh khopade	dineshkhopade@gmail.com	7083480368	Sickle cell anemia Down's syndrome
1/28/2021 11:16:35	krutika02@gmail.com	28 / 40	Krutika Dipak	krutika02@gmail.com	9146314835	Sickle cell anemia Down's syndrome
1/28/2021 11:16:37	vaishnavi.asekar26@gmail.com	30 / 40	VAISHNAVI RANGRAO ASEKAR	vaishnavi.asekar26@gmail.com	7821077956	Sickle cell anemia Turner's syndrome
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1/28/2021 11:16:40	tulsadasunde479@gmail.com	30 / 40	Tuladas M Munde	tulsadasunde479@gmail.com	7038469435	Sickle cell anemia Down's syndrome
1/28/2021 11:16:48	jaypatne02@gmail.com	30 / 40	Jay Mohan Patne	Jaypatne02@gmail.com	7216376492	Sickle cell anemia Down's syndrome
1/28/2021 11:16:51	shabhinakhojya2018@gmail.com	24 / 40	Shabhin styanlal Khojlya	shabhinakhojya2018@gmail.com	9096981338	Sickle cell anemia Down's syndrome
1/28/2021 11:16:51	shabhinakhojya2018@gmail.com	24 / 40	Shabhin styanlal Khojlya	shabhinakhojya2018@gmail.com	9096981338	Sickle cell anemia Down's syndrome

Timestamp	Email Address	Score	Name of the candidate	Email id	Contact No.	1. Which of the following is an 2. Is caused due to Inco
1/28/2021 11:04:48	arbashameen915@gmail.com	20 / 40	Anha Shameen Shakir Ahme	arbashameen915@gmail.com	9307646799	Thalassemia Triplex syndrome
1/28/2021 11:05:36	Rane59@gmail.com	16 / 40	Rani indous	ane59@gmail.com	64479	Sickle cell anemia Down's syndrome
1/28/2021 11:06:07	kailashyada0730@gmail.com	5 / 40	Shital vijaykant Yadav	Kailashyada0730@gmail.com	9096751138	night blindness Down's syndrome
1/28/2021 11:06:14	komalshankar380@gmail.com	5 / 40	Komal Gajanan Dhanoker	Komalshankar380@gmail.com	9130835303	Sickle cell anemia Triplex syndrome
1/28/2021 11:07:18	khansomindos@gmail.com	14 / 40	Ahan indos	Khansomindos@gmail.com	9881284371	Down's Syndrome Turner's syndrome
1/28/2021 11:07:53	premnagrate47406@gmail.com	22 / 40	Prem Gajanan Nagrate	premnagrate47406@gmail.com	7447213722	Sickle cell anemia Down's syndrome
1/28/2021 11:08:02	Anupamkhote5@gmail.com	12 / 40	Anupam Khote	Anupamkhote5@gmail.com	7028570103	Down's Syndrome Turner's syndrome
1/28/2021 11:08:16	Moham@gmail.com	12 / 40	Moham	Moham@gmail.com	9883723485	Sickle cell anemia Turner's syndrome
1/28/2021 11:08:21	dipavante@gmail.com	12 / 40	Dipax vilasante	dipavante@gmail.com	957976079	Sickle cell anemia Triplex syndrome
1/28/2021 11:08:36	pawanwaghmare99@gmail.com	14 / 40	Pawan Gajanan Waghmare	pawanwaghmare99@gmail.com	9767916808	Sickle cell anemia Turner's syndrome
1/28/2021 11:08:44	kathalrajpatil21@gmail.com	24 / 40	Pratik shirram kathalkar	kathalrajpatil21@gmail.com	7499454213	Sickle cell anemia Down's syndrome
1/28/2021 11:08:47	radhikawade99@gmail.com	16 / 40	Radhika Anant Awade	radhikawade99@gmail.com	8650984231	Thalassemia Down's syndrome
1/28/2021 11:08:51	kathalrajpatil21@gmail.com	24 / 40	Pratik shirram kathalkar	kathalrajpatil21@gmail.com	7499454213	Sickle cell anemia Down's syndrome
1/28/2021 11:08:58	sahityerker@gmail.com	18 / 40	Sahit p yerker	Sahityerker@gmail.com	9130953390	Sickle cell anemia Klinefelter's syndrome
1/28/2021 11:09:05	123@gmail.com	12 / 40	Amr Tejpat	Abc@gmail.com	8208046763	night blindness Turner's syndrome
1/28/2021 11:09:29	123@gmail.com	12 / 40	Amr Tejpat	Abc@gmail.com	8208046763	night blindness Turner's syndrome
1/28/2021 11:09:36	jadhemonal03@gmail.com	22 / 40	Monali Vijay Jadhao	jadhemonal03@gmail.com	9898979233	Sickle cell anemia Klinefelter's syndrome
1/28/2021 11:09:47	shweetakpandey2002@gmail.com	14 / 40	Shweetak Parraj pandey	shweetakpandey2002@gmail.com	8378975580	Sickle cell anemia Down's syndrome
1/28/2021 11:10:05	hembarbel04@gmail.com	16 / 40	Ravi devidas Dombarski	hembarbel04@gmail.com	9552782855	Sickle cell anemia Triplex syndrome
1/28/2021 11:10:18	swatichakananayan802@gmail.com	12 / 40	Swati Raju chakananayan	swatichakananayan802@gmail.com	7028811304	Sickle cell anemia Triplex syndrome
1/28/2021 11:10:24	swatichakananayan802@gmail.com	18 / 40	Swati Raju chakananayan	swatichakananayan802@gmail.com	8780767799	Sickle cell anemia Turner's syndrome
1/28/2021 11:10:35	whafatema00@gmail.com	20 / 40	SABA FAT EMA ADDUL DAYYI	whafatema00@gmail.com	9075191990	Sickle cell anemia Turner's syndrome

Online essay Competition On impact Of Corona Virus On Human Health

IQAC, Dept of Microbiology & Biochemistry Organised

Number of Participants 43
 Number of Teachers 09



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Hon'ble Harshvardhan Deshmukh
President,
Shri Shivaji Education Society, Amravati

Internal Quality Assurance Cell (IQAC),
Department of Microbiology and Department of Biochemistry
Organize

Online "Essay Competition" on
'Impact of Corona Virus on Human Health'
28 Jan 2021, 11:00 pm



Prof. R. M. Bhise
Principal,
Shri Shivaji College, Akola



Prof. A. S. Raut
Librarian &
IQAC Coordinator



Prof. A. S. Peth
Head
Dept of Microbiology



Dr. S. N. Zodpe
Asst. Prof.
Dept of Microbiology



Mr. Sanjiv M. Patil
Head
Dept. of Biochemistry

Organizing Committee

Dr. A. A. Balode | Mr. Ravi L Dabhade | Mr. Sachin Bhulekar

Link will be open on 28 Jan.2021 at 1:00 p.m. you have to upload your full length Essay up to 5:00 p.m. of 30 Jan.2021

Timestamp	Username	Full Name of Participant	Mobile No.	Class	Group (For UG students)
2021/01/28 12:45:39 PM GMT+5:30	nareakong21@gmail.com	Naresh shammik konge	7708300335	B.Sc.II	Microbiology/chemistry/botany
2021/01/28 12:52:59 PM GMT+5:30	poosajagade1@gmail.com	Prasa Dnyaneshwar Gadga	9800207949	B.Sc.II	Misc
2021/01/28 12:57:54 PM GMT+5:30	humaneerani2009@gmail.com	Rani Yash Humane	9802305514	B.Sc.II	BCM
2021/01/28 5:00:11 PM GMT+5:30	vedikawarankar@gmail.com	Vedika Nilin Warankar	9373441491	B.Sc.II	Botany *Chemistry/Biotechnology
2021/01/28 5:30:37 PM GMT+5:30	anurudhrajnoraj@gmail.com	Anuradha Devidas Ghotal	9822072746	M.Sc.II	Agriculture
2021/01/28 8:29:46 PM GMT+5:30	vnushal1942@gmail.com	Vnushal Arun Ugale	8702940300	M.Sc.I	
2021/01/28 10:20:19 PM GMT+5:30	komalshrestha2007@gmail.com	Komal Dinesh Shrestha	9308061122	M.Sc.II	1st
2021/01/28 12:15:58 PM GMT+5:30	vaishnavi034@gmail.com	Vaishnavi Kanuj virat	9022260994	M.Sc.II	Potential science
2021/01/29 1:51:49 PM GMT+5:30	anjuraj2000@gmail.com	Anjali Raju Raut	7719486383	B.Sc.II	Forensic science
2021/01/29 5:50:24 PM GMT+5:30	pravinakchoudhari3206@gmail.com	Pravinika Prasad Choudhari	9696303969	B.Sc.II	
2021/01/29 10:21:03 PM GMT+5:30	ritishkumar0003@gmail.com	Rit. Kishu Uttamaso kishu	9400112812	B.Sc.II	MCB
2021/01/30 12:28:12 AM GMT+5:30	saqad.berya@gmail.com	Sagar Raash Dubey	9850985338	M.Sc.I	
2021/01/30 8:10:57 AM GMT+5:30	neha2002mourey@gmail.com	Neha mourey	9352750278	B.Sc.II	Buiterce
2021/01/30 10:30:20 AM GMT+5:30	sayalrajnigam@gmail.com	Sayal vinod pagut	9850594657	M.Sc.I	
2021/01/30 10:57:48 AM GMT+5:30	kalpanajadav14101990@gmail.com	Kalpani moora jadav	9873964707	M.Sc.I	
2021/01/30 11:01:37 AM GMT+5:30	anjushhadange1998@gmail.com	Anuja Divanand Bhadange	7026208183	M.Sc.II	MCB
2021/01/30 11:29:07 AM GMT+5:30	nirasaiboy105@gmail.com	Neha Sureshtra Dubey	8308069433	M.Sc.I	
2021/01/30 11:54:05 AM GMT+5:30	carakrishnaeeel@gmail.com	Darashikha Firdous Shaikh Anee	6482655588	B.Sc.II	Chemistry, Biochemistry, Microbiology
2021/01/30 12:10:52 PM GMT+5:30	vmbharatar9@gmail.com	Vaishnavi Madhukar Dhakar	7898911419	M.Sc.I	
2021/01/30 1:42:01 PM GMT+5:30	kalakaral27@gmail.com	Kalaji vijital tarale	7875394165	M.Sc.I	
2021/01/30 2:10:13 PM GMT+5:30	deveshreeakumari7@gmail.com	Deveshree Shyam Kulkarni	8757768874	B.Sc.II	Forensic science, chemistry, biochemistry
2021/01/30 2:17:19 PM GMT+5:30	sayalms2000@gmail.com	Sayali Manoli Diwale	9122511101	B.Sc.II	Chem/Botany/biotech
2021/01/30 2:22:10 PM GMT+5:30	pawarikamohanasudasa3@gmail.com	Akash Dhanudas pawar	9130914092	B.Sc.II	BCM
2021/01/30 2:32:53 PM GMT+5:30	sureshrajnir02@gmail.com	Suresh Akhesh Mohanraaj Rafi	8551044355	B.Sc.II	Microbiology, zoology, chemistry
2021/01/30 2:33:55 PM GMT+5:30	tatawargayate02@gmail.com	Gayatri Arun Tatakar	7038480130	M.Sc.I	
2021/01/30 2:37:40 PM GMT+5:30	divyange111@gmail.com	Divya Prady Ingle	9322732085	B.Sc.II	Bom. mch. chem
2021/01/30 2:44:24 PM GMT+5:30	shubhrajga@gmail.com	Shubham Praveen Kumar Sanap	8379020015	B.Sc.II	Biochemistry/Chemistry/Microbiology
2021/01/30 3:02:30 PM GMT+5:30	malhaldevsharm1@gmail.com	Vaishnavi Nareish malalle	9075173830	M.Sc.I	
2021/01/30 3:17:43 PM GMT+5:30	shubhangishchandr9028@gmail.com	Shubhangy sanjay chedkar	7499033958	B.Sc.II	CBZ
2021/01/30 3:31:33 PM GMT+5:30	ashwiniyashivade@gmail.com	Ashwiniy sanjay sade	7730964950	M.Sc.I	
2021/01/30 3:32:10 PM GMT+5:30	rohinihopale159@gmail.com	Rohini pratish hopale	7350378281	M.Sc.I	
2021/01/30 4:06:21 PM GMT+5:30	mankaritam2001@gmail.com	Komal Padmakarrao Mankar	8411969782	B.Sc.II	
2021/01/30 4:14:54 PM GMT+5:30	kishori1999@gmail.com	Kandem Anish Dore	7447325341	B.Sc.II	Chem, biotech, micro
2021/01/30 4:20:41 PM GMT+5:30	kajalshinde074@gmail.com	Rajal Dilip Dhade	7066772628	M.Sc.I	
2021/01/30 4:32:42 PM GMT+5:30	yogawah12@gmail.com	Yogita Gawali	9657829777	B.Sc.II	MCB
2021/01/30 4:47:54 PM GMT+5:30	jayalibodhal@gmail.com	Pooja Gajanan Bodhe	7517472345	B.Sc.II	Micro, biochem, chem
2021/01/30 4:56:58 PM GMT+5:30	rupnaraj32000@gmail.com	Trupti Rameshwar Narkit	7446230261	M.Sc.I	
2021/01/30 4:58:11 PM GMT+5:30	navanastar1099@gmail.com	Bhavana prathekar Altar	8637702955	M.Sc.I	
2021/01/30 4:58:46 PM GMT+5:30	www.seethasani2000@gmail.com	Seetha Nityanand Sarwal	7866527694	B.Sc.II	Micro Chem zoo
2021/01/30 5:02:27 PM GMT+5:30	gawandekeerthi@gmail.com	Dipti Aruntrao Gawande	801018747	M.Sc.I	Microbiology
2021/01/30 5:04:41 PM GMT+5:30	rameesafirdous@gmail.com	Rameesa Firdous	8830064130	B.Sc.II	Biochem,micro,chem
2021/01/30 5:05:28 PM GMT+5:30	mapungawarshree009@gmail.com	MAKULI EKAKATH GAWHANCE	9668062697	M.Sc.I	
2021/01/30 5:06:20 PM GMT+5:30	prachastastar9@gmail.com	Prachi Rudeshyam Astolkar	8950025481	M.Sc.II	M.C.B



Winners of the Competition

- Ist Prize - Ms.Neha Dubey (M.Sc.I Microbiology)
II nd Prize - Ms.Vrushali Ugale (M.Sc.I Botany)
II rd Prize - Ms.Anjali Raut (B.Sc.II Forensic Science)

Bridge Course for B.sc.i MiCroBiolo gy students

Number of Participants 110

Number of Teachers 04

Shri Shivaji Education Society, Amravati's

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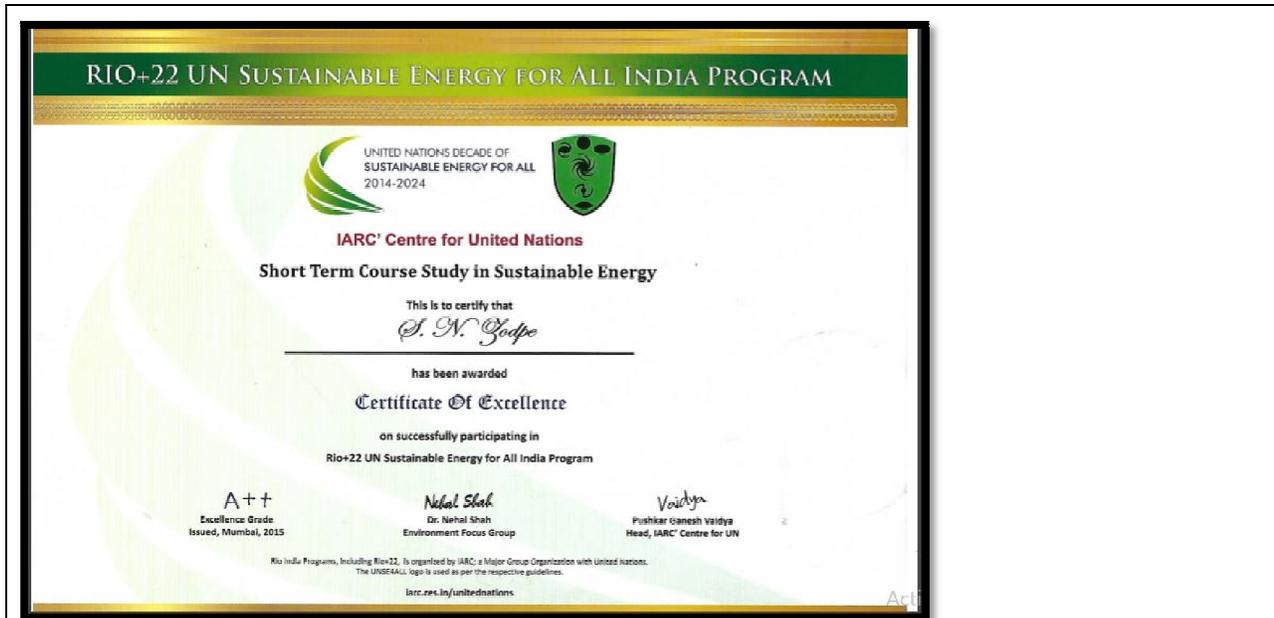
Bridge Course for B.Sc. I Microbiology Students

Date: 22-01-2021 Time:10.30am

 <p>Prof. R. M. Bhise Principal Shri Shivaji College, Akola</p>	 <p>Prof. A. S. Pethe Head Dept of Microbiology</p>	 <p>Dr. S. N. Zodpe Asst. Prof. Dept of Microbiology</p>
Faculty Members		
Dr. Dipali Barate Dr. Monika Thakare Dr. Vaishali Chede, Ms. Pooja Mankar, Mr. Ram Darade		

Achievements

RIO + 22 UN SUSTAINABLE eNeRgy fOR aII Indla Programme,2015
(Short Term Course Study in Sustainable Energy)
Excellence Grade A++ with Silver Medal.



Dr. Dipali Barate(A+grade)



Dr. Padmini Parmar(Agrade)



Mrs Deepika Jain
Avishkar-2016 Color Coat Winner
Held at SGB Amaravati University, Amaravati



Mrs Deepika Jain
Young Scientist Award
International Conference on Recent Trends in Science and Technology in
Sustainable Development through Scientific approach
(2017)



Ms. Nagma Firdous
I st Merit (Microbiology) & Gold Medalist,2018
received Ghanvate Memorial Gold Medal for getting Highest Marks in M.Sc.
(Microbiology),
s.g.b.Amaravati University,Amaravati



Ms.Pooja Mankar
Color Coat Winner of Avishkar 2018
And Best Research Student
Organised by Sant Gadge Baba Amravati University, Amravati



Mr.Sagar Dubey
Best Student Award,2018
Microbiologists Society, India



Ms.Sadhana Dewalkar
Best student Award (PG Category)
Microbiologists Society,India



Ms.Damini D.Dhanbar
5th Merit in PG Microbiology,2020
from SGB Amaravati University, Amaravati



SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE-2021 PART THREE - 482					
4	85113	Gopal Dashrath Surve	8.80	4	R.A. Arts, M.K. Commerce and S.R. Katti Science College, Washim.
5	85050	Ku.Damini Prakash Dhanbar	8.75	5	Shri Shivaji Arts, Commerce & Science College, Akola.
6	85118	Ku.Neha Bhimrao Raut	8.75	5	R.A. Arts, M.K. Commerce and S.R. Katti Science College, Washim.
8) Master of Science (Environmental Science)					
1	85009	Ku.Kishori Vijayrao Sambhare	8.84	1	Shri Shivaji Science College, Amravati
2	85013	Ku.Parvati Shivaji Rao Ghormade	8.80	2	Shri Shivaji Science College, Amravati
3	85007	Ku.Gayatri Rajendra Ugale	8.67	3	Shri Shivaji Science College, Amravati
9) Master of Science (Electronics)					
1	85016	Omkar Mohan Deshpande	8.65	1	Brijlaj Biyani Science College Amravati
2	85014	Ku.Yogita Ashokrao Adhau	8.56	2	Brijlaj Biyani Science College Amravati
3	85011	Ku.Tilottama Sanjay Umbarkar	7.84	3	Brijlaj Biyani Science College Amravati
10) Master of Science (Biochemistry)					
1	85016	Ku.Vanshika Dinesh Padla	8.26	1	Shri Shivaji Arts, Commerce & Science College, Akola
2	85003	Ku.Ashwini Vitthal Raibole	7.83	2	Shri Shivaji Arts, Commerce & Science College, Akola
3	85014	Ku Shradha Raju Dongre	7.68	3	Shri Shivaji Arts, Commerce & Science College, Akola
11) Master of Science (Biotechnology)					
1	85017	Vinod Ramu Patil	8.49	1	P.G.T.D. of Biotechnology, Sant Gadge Baba Amravati University, Amravati
2	85003	Ku.Amruta Sanjay Kasulkar	8.38	2	P.G.T.D. of Biotechnology, Sant Gadge Baba Amravati University, Amravati
3	85016	Vaibhav Vilas Kshirsagar	8.28	3	P.G.T.D. of Biotechnology, Sant Gadge Baba Amravati University, Amravati
12) Master of Science (Statistics)					
1	85010	Ku.Rucha Deepak Asarkar	9.09	1	Govt. Vidarbha Institute of Science & Humanities Amravati
2	85011	Ku.Samiksha Sanjay Tayade	8.89	2	Govt. Vidarbha Institute of Science & Humanities Amravati
3	85024	Ku.Kalyani Jagdish Tiwari	8.74	3	P.G.T. Deptt. of Statistics Sant Gadge Baba Amravati University, Amravati

E-Contents

LINKS

YouTube Video

on Pollution - <https://www.youtube.com/watch?v=itPM3e2E9FY&t=179s>

Syllabus of PG Microbiology - <https://www.youtube.com/watch?v=zMpX42oQmb8&t=119s>

Editorship of Book. - **M.Sc.I Semester I**

Practical I Soil Microbiology Practical Handbook Published by My Rays PublicationCentre

Powered by International Journal of Microbial Science

Amazon Link - <https://www.amazon.in/dp/B09JHPKCZJ>

M.Sc.I Semester II

Practical IV - Microbial Enzymology, Biostatistics & Computer Application Practical Handbook

International Publication

Published by My Rays Publication Centre Powered by International Journal of Microbial Science **ISSN :2582-967X**

Amazon Link -

Photo Gallery

Infrastructure



ICT/Seminar Hall

Capacity: 30

Utilization:

Departmental Ph.D.
viva, Guest Lectures,
Seminars of PG students



Post PG Research Laboratory

Well equipped with
automated instruments,
separate laminar air flow
chamber and smart
board facility.



PG Laboratory

Capacity: 20

Well equipped with instruments, chemicals and glasswares required for PG students.



UG Laboratory

Capacity: 50

Well equipped with instruments, chemicals and glasswares required for UG students.

Instruments



Autoclave

Bio-Technics India

ISO 9001: 2008

Size: 30X50cm



Binocular Compound light Microscope

Used for research purpose



Hot Air Oven

Used for sterilization of glasswares

SICOR India (1)

Universal (1)

LabHosp (2)

Thermostat (1)

Tempo (1)



Incubator

Used to grow and maintain
microbiological cultures or cell
cultures.

Universal, TEMPO, LabHosp,



BOD Incubator

Useful for determining levels of
organic matter and nitrogen in waste
water samples.

KUMAR



Rotary shaker incubator

Used for culturing microbes, washing Blots and general mixing.

REMI

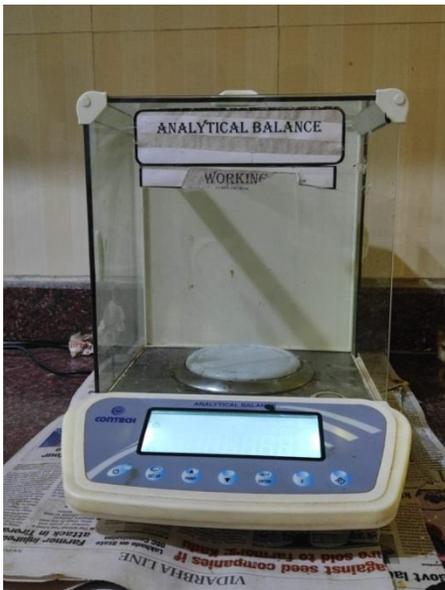


Autoclave (for research facility)

equitron Autoclave SLEFA with digital controller.

DST funded

Capacity : 35Lit



Analytical weighing Balance

Used for draught proof weighing for precise measuring of mass.

Capacity: 0.0001gm to 10gm

CONTECH



Visible Spectrophotometer

Quantification of nucleic acids, staining transition metals and visualizing organic compounds.

SYSTRONICS



Water bath

Used to incubate samples in water at constant temperature over a long period of time.

THERMOSTAT



Bottle Fermentor System

Used for mass multiplication of bacterial and fungal cultures in laboratories. (JBFS-02)

JAY BIOTECH

Departmental Library

DEPARTMENTAL LIBRARY

► Books

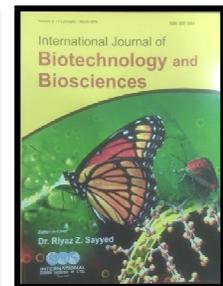
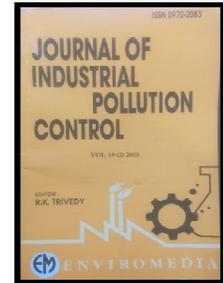
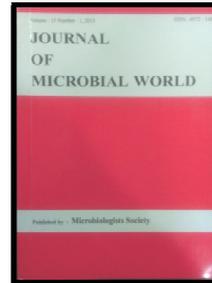
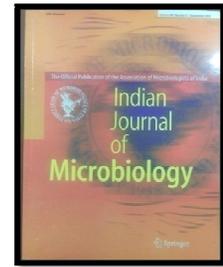
- About 350 reference Books
- Ph.D. thesis
- M.Sc. Dissertations
- M. Phil. Dissertations
- Rare Books (Photocopies)
- Abstracts of Conferences
- Maharashtra University
- Ordinances etc.



Journals

► Journals

1. Indian Journal of Microbiology
2. Journal of Microbial World
3. Journal of Environmental Sc. & Eng.
4. Everyday Science
5. Pollution Research
6. Asian Journal of Biotechnology & Env.
7. Journal of Aquatic Biology
8. Journal of Environmental Health
9. Journal of Environmental Management
10. Emerging infectious diseases



Highlights

