

## **FACULTY PROFILE**



### **General information**

Name (in Block Letters)	:	<b>DR.MRS. SWATI NILESH ZODPE</b>
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	:	<a href="mailto:z.swati9877@gmail.com">z.swati9877@gmail.com</a>

### **Academic Qualification**

<b>Sr.No.</b>	<b>Degree</b>	<b>Name of University/Board</b>	<b>Year</b>	<b>Division</b>
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 <sup>rd</sup> Merit
5	B.Sc.	Amaravati University	1998	I
6	Other Degree/ Diploma	Certificate course of computer MS-CIT.		

**Academic Staff College Orientation / Refresher Course attended:**

<b>Name of the Course/ Summer School</b>	<b>Place</b>	<b>Duration</b>	<b>Sponsoring Agency</b>
30 <sup>th</sup> 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( <b>Life Science</b> ) ( <b>Microbiology</b> ) Grade A	Botany Department R.T.M. Nagpur University, Nagpur	09.11.2016 to 29.11.2016	UGC Sponsored
Refresher Course in <b>Life Sciences (Microbiology)</b> 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 <b>Research Methodology</b> 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 <b>ICT For Effective Teaching Learning</b>	Online	11.05.2020 to 16.05.2020	SRTM Nanded University, Nanded.
Online One Week Faculty Development Programme on	Online	11.05.2020 to 16.05.2020	Pandit Madan Mohan Malviya National

<b>Experiential Learning Methodology – Gandhiji’s Nai Talim</b>			Mission on Teachers and Teaching, HRDC New Delhi
National SAGE Summer School on <b>Recent Advances in Microbial Bioinoculants for Improvement on Agricultural Sustainability</b>	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

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

### Teaching Experience:

<b>Course Taught</b>	<b>Name of the University/College/Institution</b>	<b>Duration</b>
<b>UG</b>	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	1Year &2 Months as a Asst Prof. and Head, Dept of Microbiology

<b>PG</b>	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	No. of co-authors	Whether you are the main author
1	Study of Air Flora near Solid Waste Dumping Station at Akola. pp.61-64, M. Musaddiq,L.J.Purohit, <b>Swati R. Bipte</b> ,Imran Kha	<i>Nature Environment and Pollution Technology</i> Vol 3 (1) March 2004 <b>(2004)</b>	ISSN 0972- 6268	Techno-Science Publication A Quarterly Scientific <i>Research Journal</i>	04	No
2	"Effect of plant extract On seed germination And crop growth rate of crops in Vidarbha region". Pp 32-36. <b>Swati R. Bipte</b> , and M. Musaddiq	<i>Amravati University Research Journal 1(1)</i> , July 2004 <b>(2004)</b>	-	<b>Published By-</b> <i>Amravati University Amaravati Research Journal</i>	02	Yes
3	Studies on "Antimicrobial	<i>Journal of</i>	ISSN- 0972-	Published By Microbiologists Society	02	Yes

	activity of <i>Azadirachta indica</i> L. on certain foliar pathogens. PP 28-31 <b>Swati R. Bipte,</b> M. Musaddiq	<i>Microbial World</i> 2005. Vol.(7) No.1 <b>(2005)</b>	1487			
4	Drug Sensitivity of Chlorine Resistant <i>Escherichia coli</i> Isolate from Drinking Water Sources. pp 131-133. M. Musaddiq, S.D.Joshi, <b>Swati R. Bipte</b>	<i>Journal of Microbiology World</i> 7(1) 2005. <b>(2005)</b>	ISSN 0972-1487	Published by Microbiologists Society	03	No
5	Isolation and Identification of Pesticide Resistant Bacteria from Agricultural Soil. Pp 139-140. <b>Swati R. Bipte,</b> P.S.Parma M. Musaddiq	<i>Nature Environmental Pollution Technology.</i> <b>11(1)</b> 2012 <b>(2012)</b>	ISSN 0972-6268	An Multidisciplinary International Quarterly Scientific Journal (Techno-Science Publication). <a href="http://www.neptjournal.com">www.neptjournal.com</a>	03	Yes
6	Prevalence of <i>Clostridium species</i> from Various Clinical & Non Clinical Environments. PP 187-189. <b>Swati R. Bipte,</b> and M. Musaddiq	<i>Bioscience, Biotechnology Research Communication</i> Vol 5(2):2012; <b>(2012)</b>	ISSN 0974-6455	An International Peer Reviewed Journal for Rapid Publication. <a href="http://www.bbrc.in">www.bbrc.in</a> Published by - Society for Science & Nature Bhopal,India	01	Yes
7	Novel Approach of Use of Organic Acids & Salts as a Potent Alternative to Antibiotics. pp 45-47. P.G.Umbarkar, <b>S.N.Zodpe</b>	<i>Indian Jr. of Applied Research.</i> <b>Vol 3 (5): 2013</b> <b>(2013)</b>	ISSN 2249-555X,	Peer Reviewed & Referred International Journal <b>Impact Factor: 0.8215</b> <a href="http://www.ijar.in">www.ijar.in</a>	01	No
8	Bacterial Resistance to Antibiotic and Disinfectant Today and Tomorrow. PP 76-82 Y.N.Sarode, <b>S.N.Zodpe</b>	<i>International Journal Biotechnology Biosciences.</i> Volume 3 ( 2 ):20	ISSN 2231 0304	International Journal Published by - <i>International Book House Pvt Ltd.</i> <a href="http://www.ibhjournals.com">http://www.ibhjournals.com</a>	01	No

		(2013)				
9	Bacteriological and Physicochemical Assessment of Potable Water Samples from Taluka Telhara District Akola. pp 30-34. P.A.Matre, <b>S.N.Zodpe</b>	<i>International Jr. of Scientific Research.</i> <b>3</b> (7): July2014 (2014)	ISSN 2277-8179	Peer Reviewed& Referred International Journal. Indexed with International ISSN Directory, Paris. <b>I.F.1.8651</b> <a href="https://doi.org/10.15373/22778179">DOI – 10.15373/22778179</a>	01	No
10	Biodiversity of Actinomycetes Species Isolated from Saline Belt of Akola District. Pp 5-7 A.B.Arbat, <b>S.N.Zodpe</b>	<i>Indian Jr. of Applied Research.</i> <b>4</b> (7): July 2014 (2014)	ISSN 2249-555X	Peer Reviewed & Referred International Journal Indexed with International ISSN Directory, Paris. <b>Impact Factor: 2.1652.</b> <a href="https://doi.org/10.15373/2249555">DOI – 10.15373/2249555</a>	01	No
11	Rhamnolipid Biosurfactant Production by Strain of <i>Pseudomonas aeruginosa</i> using Different Raw Materials Pp 407-413. <b>S.N.Zodpe</b>	<i>International Journal of Current Microbiology and Applied Sciences</i> Vol. 5(5) issue (May 2016) (2016)	ISSN 2319-7706	International Journal <b>I.F. 2.93</b> Link- <a href="http://dx.doi.org/10.20546/ijemas.2016.505.042">http://dx.doi.org/10.20546/ijemas.2016.505.042</a>	NO	Yes
12	Biodeterioration of Library resources and possible Approaches for their control pp25-33. P.G.Kalaskar, <b>S.N.Zodpe</b>	International Journal of Applied Research 2016 Vol.2(7) (2016)	ISSN 2394 - 7500	Indexed, Refereed, Multidisciplinary, Peer Reviewed Journal <b>I.F 5.2</b> Published By- Int Journal of Applied Research <a href="http://www.allresearchjournal.com">www.allresearchjournal.com</a> .	01	No
13	Assessment of the Bacterial Biodiversity of Halophilic Bacteria at Akola District Pp 1591-1595. Maryam Jabeen, <b>S.N.Zodpe</b>	International Journal of Science and Research (IJSR) Vol 6(4) (2017)	ISSN Online: 2319-7064	Index Copernicus Value (2015): 78.96   <b>Impact Factor (2015): 6.391</b> <a href="http://www.ijsr.net">www.ijsr.net</a> Paper ID: ART20172610	02	No
14	Quality Assessment of	International	ISSN Online:	Index Copernicus Value (2015): 78.96	02	No

	Green Leafy Vegetables Collected from Different Market Sites of Shegaon and Akola Pp 101-106. M.B.Lahukar, <b>S.N.Zodpe</b>	Journal of Science and Research (IJSR) Vol 6(4) (2017)	2319-7064	<b>Impact Factor (2015): 6.391</b> <a href="http://www.ijsr.net">www.ijsr.net</a> Paper ID: ART20172610		
15	Screening of Microorganism from Rhizospheric Soil for Biosurfactant Production using Cheap Raw Material Pp 1596-1602. S.S.Paraskar, <b>S.N.Zodpe</b>	International Journal of Science and Research (IJSR) Vol 6(4) (2017)	ISSN Online: 2319-7064	Index Copernicus Value (2015): 78.96   <b>Impact Factor (2015): 6.391</b> <a href="http://www.ijsr.net">www.ijsr.net</a> Paper ID: ART20172610	02	No
16	Isolation and Identification of Oral Microflora and Studies on their Biofilm Production Ability and AntibioGram Pattern. pp-1588-1592 P.B.Adhau, <b>S.N.Zodpe</b>	<i>International Journal of Current Medical and Pharmaceutical Research</i> Vol3(4) (2017)	ISSN 2395-6429	<b>I.F.3.555</b> Link- <a href="http://dx.doi.org/10.24327/23956429.ijcmpr.20170001">http://dx.doi.org/10.24327/23956429.ijcmpr.20170001</a> .	02	No
17	Bacterial Profile And AntibioGram Pattern Of Uropathogens Causing UTI In Pregnant Women pp- 1558-1561. P.Tayade, <b>S.N.Zodpe</b>	International Journal of Current Medical and Pharmaceutical Research Vol3(4)(2017)	ISSN 2395-6429	<b>I.F.3.555</b> Link- <a href="http://dx.doi.org/10.24327/23956429.ijcmpr.20170001">http://dx.doi.org/10.24327/23956429.ijcmpr.20170001</a> .	02	No
18	Screening and Isolation of Pigment Producers and Non-pigment Producers Actinomycetes from Rhizospheric Soil Sample pp-1570-1578 V.P.Dhawane, <b>S.N.Zodpe</b>	<i>Int.J.Curr.Microbiol.App.Sci</i> (2017) 6(5): <i>International Journal of Current Microbiology and Applied Sciences</i> (2017)	ISSN: 2319-7706	Link- <a href="http://doi.org/10.20546/ijcmpr.2017.605.171">http://doi.org/10.20546/ijcmpr.2017.605.171</a> Published By-Excellent Publisher	02	No
19	Spectrum of	<i>International</i>	ISSN:	Index Copernicus Value	02	No

	Uropathogens of Diabetics along with Antibacterial Activity of Herbal Plants and Profile of Antibacterial Resistance.pp-27-29. U.M.Dagwar, <b>S.N.Zodpe</b>	<i>Journal of Scientific Research</i> Volume 7 Issue7 July-2018 <b>(2018)</b>	2277-8179	93.98 <b>Impact Factor 4.578</b> <b>DOI</b> <b>10.15373/22778179</b>		
20	Studies on Enzyme Profile & N2 Fixing Ability of <i>Azotobacter sp</i> from Rhizospheric soil pp- 46-50 S.V.Kute, <b>S.N.Zodpe</b>	<i>International Journal of Scientific Development &amp; Research (IJS DR)Vol4(7)</i> <b>(2019)</b>	ISSN: 2455-2631	International Journal <a href="http://www.ijedr.org">www.ijedr.org</a> Paper ID : IJS DR1907010	02	No
21	Bioremediation Of Textile Dyes: An Environment Friendly Aspect pp. 35315-35319 <b>S.N.Zodpe</b>	<i>International Journal of Recent Scientific Research Vol. 10, Issue, 10(C), , October, 2019</i> <b>(2019)</b>	ISSN: 0976-3031	International Journal of Recent Scientific Research <b>DOI: 10.24327/IJRSR</b> <a href="http://dx.doi.org/10.24327//ijrsr.2019.1010.4078">http://dx.doi.org/10.24327//ijrsr.2019.1010.4078</a>	-	Yes
22	To Study The Antimicrobial Potential of Pyocyanin Extracted From <i>Pseudomonas aeruginosa</i> PP – 161-166 <b>S.N.Zodpe</b>	International Journal of Engineering Development and Research <i>IJEDR 2019 / Volume 7, Issue 4   (2019)</i>	ISSN: 2321-9939	International Journal ( <a href="http://www.ijedr.org">www.ijedr.org</a> ) Paper ID : IJEDR1904029	-	Yes
23	Screening of Low Density Polythene Degrading Microflora From Garbage Soil. PP – 110-116 K.P.Patinge, <b>S.N.Zodpe</b>	<i>International Journal of Scientific Research in Science &amp; Technology (IJSRST)Vol.7(4)</i> <b>(2020)</b>	ISSN: 2395-602X	Peer Reviewed & Refreed International Journal <b>I.F. 5.327</b> <b>doi</b> <a href="https://doi.org/10.32628/IJSRST207435">https://doi.org/10.32628/IJSRST207435</a>	02	No
24	Diversity of bacterial Endophytes from various Agricultural crops. PP – 299-306	<i>International Journal of Science &amp; Engineering</i>	ISSN: 2455-2631	An International Open Access Journal <b>I.F. 5.327</b> Paper ID : IJS DR2010043	02	No



	S.S.Chatarkar, <b>S.N.Zodpe</b>	<i>Development Research IJSDR Vol.5(10) (2020)</i>				
--	------------------------------------	--	--	--	--	--

### Full papers in conference proceedings

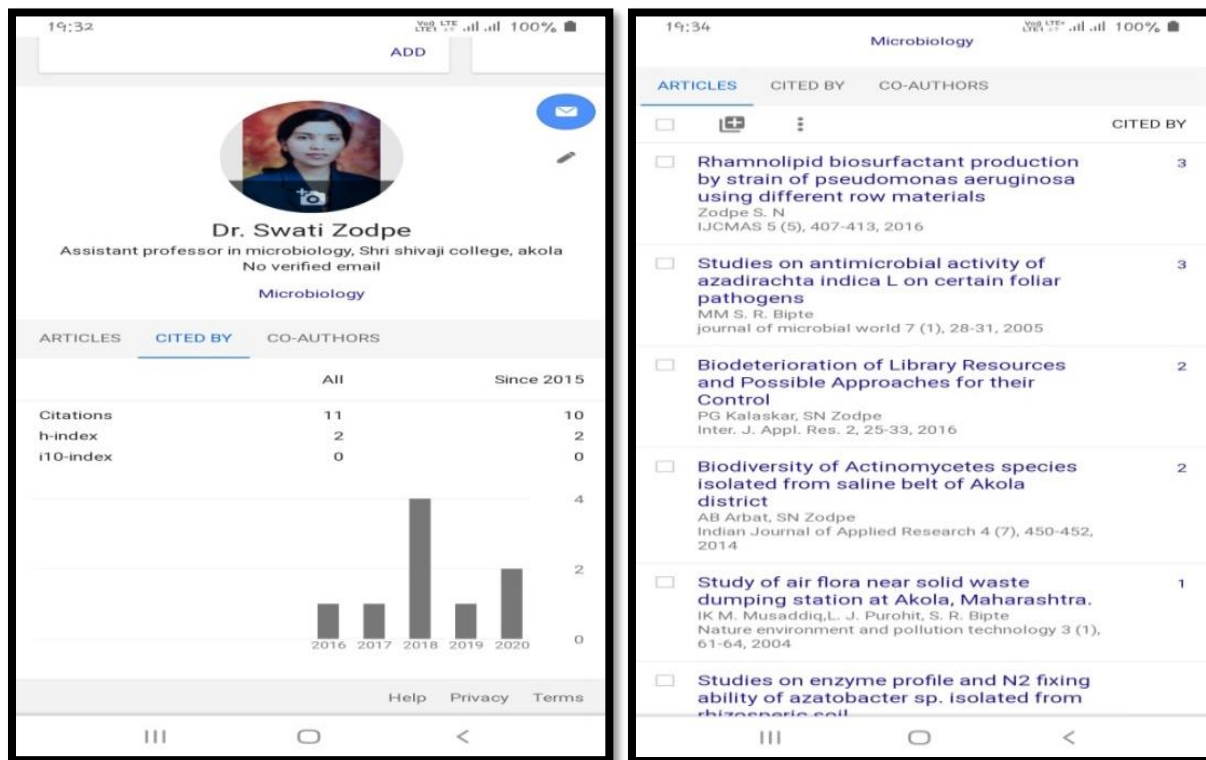
Sr. No.	Title with page nos.	Journal	ISSN / ISBN No.	Whether peer reviewed. Impact Factor, If any	No. of co-authors	Whether you are the main author
1.	Comparative Studies on effect autoclaved and Unautoclaved <i>Azadirachta indica</i> L.extract on disease incidence in tomato ( <i>Lycopersicon esculentum</i> Mill) pp 132-135 <b>Swati R. Bipte</b> , 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. <b>(2002)</b>	-	-	02	Yes
2.	Assessment of antibacterial activity of different toothpaste and tooth powders against oral flora pp 334-339 Sohail Khan, <b>S.N.Zodpe</b>	Proceeding of Innovative Research Trends In Biological Sciences 2012. <b>(2012)</b>	ISBN: 978-81-923621-0-6.	-	02	No
3.	Impact of climate change on Agriculture- A review. pp100-103 <b>S.N.Zodpe</b> , 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 <b>(2012)</b>	ISBN: 978-93-82414-04-9.	-	02	Yes

**Research papers presented in conferences / seminars / workshops /conventions**

<b>Sr. No</b>	<b>Title of the Paper presented</b>	<b>Title of Conference / Seminar</b>	<b>Organised by</b>	<b>Whether international / national /state/ regional/ college or university level</b>
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, 2010	National Level
6.	Priyanka Umbarkar & <b>Swati</b>	Participated and presented	100 <sup>th</sup> Indian	International Level

	<p><b>N.Zodpe:</b> Influence of weak acid and antibiotic against the pathogenic microorganism</p> <p>Yogita Sarode &amp; <b>Swati N. Zodpe:</b> Susceptibility and resistance of some clinical isolates to selective antibiotics and disinfectant</p>	<p>paper at 100<sup>th</sup> Indian Science Congress, January 3 to 7, 2013, Kolkatta.</p>	<p>Science Congress, January 3 to 7, 2013, Kolkatta</p>	
7.	<p>A. B. Arbat and <b>S.N.Zodpe:</b> Biodiversity of Actinomycetes Species Isolated from Saline Belt of Akola District</p> <p>Pankaj A Matre and <b>S. N. Zodpe:</b> Microbiological assessment of potable drinking water sample from various water sources of Telhara, Dis. Akola</p>	<p>Participated and presented research papers at 101<sup>st</sup> Session of Indian Science Congress, organized by Jammu University, Jammu from 3<sup>rd</sup> Feb. to 7<sup>th</sup>, 2014.</p>	<p>organized by Jammu University, Jammu from 3<sup>rd</sup> Feb. to 7<sup>th</sup>, 2014.</p>	International Level
8.	<p>D.Dandale, A.Yeole,R.Tiwari and <b>S.N.Zodpe:</b> Optimisation Studies on Rhamnolipid Production of microbial origin.</p>	<p>Participated and presented research papers at UGC Sponsorsd National Conference on Biodiversity Conservation and Role of Microbes in Sustainable Environment Management on 18<sup>th</sup> Oct,2014. Organised by Department of Botany Jawaharlal Nehru Arts, Commerce And Science, College Wadi, Nagpur</p>	<p>Organised by Department of Botany Jawaharlal Nehru Arts, Commerce And Science, College Wadi, Nagpur</p>	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 <sup>nd</sup> Annual Conference of AMI on <b>Microbial Biotechnology- Milleniums New Vision</b>	Dept of Microbiology, Gulbarga University, Gulbarga held from 9 <sup>th</sup> -11 <sup>th</sup> Nov.2001.	National Level Conference	2001-02
2	Participated in Three Days International Conference of SAARC Countries on <b>Biotechnology in Agriculture, Industry and Environment</b>	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 <b>Ethanobotany,</b>	Dept of Botany, Shri Shivaji College of Arts, Commerce	National Level conference	2002-03

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

	<b>Empowerment held in</b>			
13	Participated in Two days <b>National Conference On Innovative Research Trends In Biological Sciences NCIRTBS-2012</b>	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 <b>Impact Of Climate Change On Agriculture Production In India</b>	Shri Shivaji College of Arts, Commerce and Science, Akola. 6 <sup>th</sup> October 2012	National Seminar	2012-13
15	Participated in Eight Days Workshop on <b>Effective Communication Skill in English</b> for Senior College Teacher organized by	Department of English, Shri Shivaji College Of Arts, Commerce And Science, Akola during 5 <sup>th</sup> -13 <sup>th</sup> April,2013	College Level Workshop	2012-13
16	Participated in Two Weeks Workshop on <b>Information and Communication Technology(ICT)</b>	Department of Commerce, Shri Shivaji College Of Arts, Commerce And Science, Akola during 5 <sup>th</sup> -20 <sup>th</sup> April,2013.	College Level Workshop	2012-13
17	Participated in One Day Workshop On <b>Role Of IQAC For Sustenance And Enhancement Of Quality In Higher Education</b>	Shri Shivaji College Of Arts, Commerce And Science, Akola on 8 <sup>th</sup> September 2013.	University level Workshop	2012-13
18	Participated in One Day State Level Microbiology Student's Summit <b>"On Pure Water For Better Health" Held On 10<sup>th</sup> Oct, 2013</b>	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 <sup>th</sup> Oct,2013	State Level	2013-14
19	Participated in UGC Sponsored National Conference on <b>Biodiversity Conservation And Role Of Microbes In Sustainable Environment Management</b>	Jawaharlal Nehru Arts, Commerce And Science College, Nagpur On 18 <sup>th</sup> Oct. 2014	National Conference	2013-14
20	Participated in One Day International Conference for students on the theme <b>"Modern</b>	Department of Microbiology in collaboration with Microbiologists society of	International Conference	2014-15

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

	<b>Production of Cheddar Cheese by Microbial Fermentation</b>	and Science Akola held on 16 <sup>th</sup> Feb,2017.		
29	Participated in Two days International Conference on <b>Recent Trends In Science And Technology Sustainable Development Though Scientific Approach( ICRTS-2017)</b>	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 <b>Recent Trends In Biotechnology And Biodiversity (NCBB-2017)</b>	Department of Life Sciences Shri Shivaji Science College,Amravati on 22 <sup>nd</sup> &23 <sup>rd</sup> Sept,2017	National conference	2017-18
31	Participated in UGC sponsored one day workshop on <b>Research Methodology And Data Analytics Using SPSS</b>	Faculty Of Commerce and IQAC Shri Shivaji College of Arts, Commerce and Science Akola held on 3 <sup>rd</sup> Feb 2018.	College Level workshop	2017-18
32	Participated in Two days UGC sponsored National Conference On <b>Recent Advances In Chemical Sciences</b>	Department Of Chemistry And IQAC Shri Shivaji College of Arts, Commerce and Science Akola held on 26 and 27 <sup>th</sup> Feb 2018.	National Conference	2017-18
33	Participated in one day workshop on <b>Biofertiliser Production And Uses</b> organized by Dept of Biotechnology	Dept of Biotechnology Shri Shivaji College of Arts, Commerce and Science Akola held on 13 <sup>th</sup> Sept 2018	College Level workshop	2018-19
34	Participated in Two days UGC sponsored National Conference On <b>Recent Trends In Life Sciences For Sustainable Development (RTLSSD)-2018..</b>	Organized by Department of Zoology And IQAC Sant Gadage Baba Amravati University On 22-23 <sup>rd</sup> Jan 2019	National Conference	2018-19
35	Participated in One Day National Symposium Cum Workshop On <b>Bio-waste as Bio-Resource</b> Sponsored by Sant Gadage Baba Amravati University	Organized by Dept M:icrobiology And IQAC Shankarlal Khandelwal Arts Science and Commerce Collage Akola in Collaboration with Microbiology Society India On 23 <sup>rd</sup> Feb 2019	National Symposium Cum Workshop	2018-19
36	Participated in State level seminar on <b>My Health My</b>	Dept M:icrobiology And IQAC Shri R L T Science	State level seminar	2018-19



	<b>Responsibility : Complimentary To Medicine And Health Care And Teachers Workshop On Teaching Constrains In Microbiology And Allied Sciences</b>	Collage Akola in Collaboration with Microbiology Society India On 28 <sup>th</sup> Feb 2019.		
37	Participated in One day workshop Akola in collaboration with the office of the joint director, higher education Amravati division on <b>New Accreditation Methodology : An Overview</b>	<b>IQAC</b> Shri Shivaji College of Arts, Commerce and Science Amravati and IQAC Sant Gadage Baba Amravati University Amravati on 28 <sup>th</sup> March 2019.	College Level workshop	2018-19
38	Participated in One day State Level workshop on <b>Career Opportunities in Green Education</b>	IQAC Shankarlal Khandelwal Arts Science and Commerce Collage, Divisional Forest Office Akola (Wild Life Division) and Nisargkatta On 10 <sup>th</sup> Aug, 2019.	State Level workshop	2019-20
39	Participated in National Conference On <b>Multidisciplinary Research in Science and Technology for Healthy Lifesyle Management NCMRST-2020</b>	Shri R L T Science Collage Akola On 24 <sup>th</sup> January, 2020	National Conference	2019-20
40	Participated in One day State Level workshop on <b>Intellectual Property Rights – Awareness Programme</b> Arts and Science College Nachangaon –Pulgaon RTM Nagpur University, Nagpur On 4 <sup>th</sup> February, 2020.	Arts and Science College Nachangaon –Pulgaon RTM Nagpur University, Nagpur On 4 <sup>th</sup> February, 2020.	State Level workshop	2019-20
41	Participated in one day Online workshop on <b>Fine Tuning Research using Elesvier Tools: Science Direct, Scopus and Mendely</b>	Dept of Commerce K.J.Somaiya College of Science & Commerce, University of Mumbai in Collaboration with Elesvier organizes on 26 <sup>th</sup> April, 2020.	State Level workshop	2019-20
42	Participated in One Day Online National Webinar on <b>CAS Promotion – Issues &amp; E Content Development</b>	Dnyandeo Mohekar Mahavidyalaya, Kalamb on .04.2620.	Online National Webinar	2019-20
43	Participated in Online Webinar on topic <b>Converting Lockdown</b>	organized by Shri Shivaji	Online College Level Webinar	2019-20

	<b>Period into Golden Period- The Role of Women</b>	College of Arts,Commerce &Science,Akola on 13 <sup>th</sup> April,2020.		
44	Participated in Four Days Online Webinar on <b>An Effective Research Paper Writing Skill</b>	Commerce & Management Studies,Surat Gujrat.from 13 <sup>th</sup> -16 <sup>th</sup> April,2020.	Online National Webinar	2019-20
45	Participated in Online Course on <b>Infection, Prevention &amp; Control (IPC) for Novel Corona Virus (COVID-19).</b>	World Health Organisation on 16 <sup>th</sup> April,2020.	Online Course	2019-20
46	Participated in Online Course on <b>Severe Acute Respiratory Syndrome (SARI)</b>	World Health Organisation on 17 <sup>th</sup> April,2020.	Online Course	2019-20
47	Participated in Online One Week e- Short Term Course on <b>Common Microbial Diseases</b>	Dept of Microbiology, Shri Vyanktesh Arts,Commerce &Science College,Deulgaon Raja from 27 <sup>th</sup> Apri- 30 <sup>th</sup> May,2020.	Short Term Course	2019-20
48	Participated in <b>Online e-Course in Sericulture</b>	Dept of Zoology RLT Science College,Akola.from 11 <sup>th</sup> -14 <sup>th</sup> May,2020.	Short Term Course	2019-20
49	Participated in <b>Online International e-Conference On Strategies and Challenges in Higher Education During COVID-19 Lockdown Period in India</b>	Govt of Maharashtra Govt Vidarbha Institute of Science and Humanities,Amaravati.from 15 <sup>th</sup> -17 <sup>th</sup> May,2020	Online International e-Conference	2019-20
50	Participated Online in <b>Forest Conservation Day</b>	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 <b>Immunity Development to Combat Covid – 19”</b>	organized by the Department of Zoology and IQAC Shankarlal Khandelwal Arts Science and Commerce College, Akola, India on 24th June 2020.	International Webinar	2020-21

52	Participated Online in <b>International Breastfeeding Week” International Breastfeeding Week”</b>	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 <b>COVID 19:Education Policies Challenges and Opportunities</b>	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 <sup>th</sup> Aug,2020	National Conference	2020-21
54	Participated Online in <b>Impact of Spitting on COVID-19</b>	Organised by NSS Unit Sant Gadge Baba Amravati University, Amravati on 26th November 2020	University Level Webinar	2020-21
55	Participated Online in <b>International E Conference on Innovative Research Trends in Life Sciences</b>	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 <sup>th</sup> Dec.2020	Online International e-Conference	2020-21
56	Participated Online in <b>Intellectual Property Rights (IPR)</b>	organized by Internal Quality Assurance Cell (IQAC) & Research Assessment Committee (RAC) of Shri Shivaji College of Arts, Commerce & Science, Akola inCollaboration withIPR Cell (Sponsored byRGSTC, Mumbai)Sant Gadage BabaAmravatiUniversity, Amravati on dated 20th January2021	Online University Level Workshop	2020-21

57	Participated Online in <b>“Teacher’s Role in National Education Policy Implementation”</b>	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 <b>Stress and Anger Management through Mindfulness</b>	organized by Library Resource Centre Sushant University in Collaboration with National Brain Research Centre (NBRC) Ministry of Science & Technology, Manesar Gurgaon on 25 <sup>th</sup> June 2021	National Webinar	2021-22

**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				
2				
3				

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

Book Title	Publisher	ISSN/ISBN No.
<b>Current Updates in Life Sciences</b>	Pandit Jawaharlal Nehru Study Centre Shri. Shivaji College of Arts, Commerce Science, Akola(MS)	ISBN 978-81-923621-82
<b>Compendium of Research Insight of Life Science Students</b> Sector - Microbiology Volume – 2; Year - 2020 Total - 4 Chapters	Published By : Dr. P.Saranraj	ISBN 978-81-947154-5-0
<b><u>Article in News Paper</u></b>	E Lokmat News Paper Manthan	Page No.7

Title Dnyanrupi Gurunchi Shikwan Written By: Dr. Mrs. Swati N. Zodpe Dr. Rachana R. Pachori	Supplement Date : 5 th July,2020	Powered By – erelego.com
<b><u>Article in Shivdarshan Magazine</u></b> <b>Topic : Self Discovery : A Journey of Self Loving</b> Written By: Dr. Mrs. Swati N. Zodpe		
Editorship of Book. <b>“Frontiers in Life Science Volume III</b>	Published by <b>Bhumi Publication house, Kolhapur</b> in June- July, 2021 National Publication	ISBN: 978-81-953600-3-1
<b>Compendium of Research Insight of Life Science Students</b> Sector - Microbiology Volume – Year - 2021 Total – 3 Chapters	Published By : Dr.P. Saranraj JPS Scientific Publication National Publication	
<b>Soil Microbiology Practical Handbook M.Sc.I Semester I</b> Editorship of Book	<a href="https://www.amazon.in/dp/B09JHPKCZJ">Amazon Link - https://www.amazon.in/dp/B09JHPKCZJ</a> International Publication Published by My Rays Publication Centre Powered by International Journal of Microbial Science	ISBN: 978-93-5526-076-5
<b>Microbial Enzymology, Biostatistics &amp; Computer Application Practical Handbook M.Sc.I Semester II</b> Editorship of Book	International Publication Published by My Rays Publication Centre Powered by International Journal of Microbial Science <a href="https://www.issn.org/issn/2582-967X">ISSN :2582-967X</a>	ISBN: 978-81-954818-5-9

### Research projects (Ongoing and Completed Research Projects)

Title	Funding Agency	Period	Grant (Rs lakh)

### 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>Clostridium Species</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 Antibioqram Profile of Bacteria Isolated from Clinical Samples.	2017-18
19	Ms.Nayan G. Borokar	Screening of ESBL Producers from Blood Stream Infection and their AntibioqramProfile 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 Muncipal Solid Waste of Akola and its Antibioqram Study.	2018-19
25	Ms. Sharayu V.Kute	Studies on Enzyme Profile and N <sub>2</sub> Fixing Ability of Azotobacter sp.isolated from Rhizospheric Soil.	2018-19
26	Ms.vDarshana B.Ramchaware	Isolation of Melanine Producers from <i>Actinomycetes sps</i>	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 Bacillus 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)	UN Sustainable Energy for All India Programme, 2015	(Short Term Course Study in Sustainable Energy) UN Sustainable Energy for All India Programme, 2015

<p><b><u>Excellence Grade A++ with Silver Medal.</u></b></p>		
<div style="display: flex; justify-content: space-around;">   </div>		
<p>Secured 2<sup>nd</sup> Prize from Category Faculty member in <b>Essay Competition on Forest Conservation Day</b>  Topic – Essay on tour to Tadoba National Park</p>	<p>Shri Shivaji College of Arts, Commerce &amp; Science, Akola.</p>	<p>Organised by Dept of Botany, Shri Shivaji College of Arts, Commerce &amp; Science, Akola on 23<sup>rd</sup> July, 2020.</p>
<p>Secured 1st Prize from Category Faculty member in <b>Poster &amp; Slogan Competition held in Breast Feeding Week</b></p>	<p>Shri Shivaji College of Arts, Commerce &amp; Science, Akola</p>	<p>organized by Dept of Home science, Shri Shivaji College of Arts, Commerce &amp; Science, Akola on 2<sup>nd</sup> August, 2020</p>

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