BIO-DATA

Mrs. Yogini Ramkrishna Mulay

A. Personal Information

1. Educational Qualification : M.Sc. SET. Ph. D. (Microbiology)

2. Present Designation : IQAC Coordinator, Vice Principal

NAAC Coordinator,

Professor, Department of Microbiology

3. Date of Birth : 28thJune, 1974

4. Category : Open

5. Religion and Cast : Hindu, Brahmin.

6. Gender : Female **7. Mobile No.** : 9764988295

8. Address : Flat No.4, Shakambari Apt., Sai Ganesh Nagar,

Bhigvan road, Baramati, Dist.: Pune, PIN: 413102

9. Educational Details:

Name of	Year of	Name of Board /	Subjects	Marks	Class /
Exam	Passing	University		(%)	Grade
X^{th}	1989	Pune Division Board	Mar, Eng, Maths,	81.14	Dist.
			Sci, Soc-Sci, Hin		
XII th	1991	Pune Division Board	Bio, Maths, Phy,	78.83	Dist.
			Chem, Eng		
B.Sc.	1994	University of Pune	Microbiology	71.47	First
M.Sc.	1996	University of Pune	Microbiology	63.15	First
SET	1998	University of Pune	Life Science	Qualified	
Ph.D.	2018	SPPU, Pune	Microbiology	Awarded	

10. Occupation : Service

11. Designation : Professor, Department of Microbiology

12. Institution : Department of Microbiology, Tuljaram Chaturchand

College, Baramati

13. Date of Joining

In This College : 26th August, 1996

14. Ph.D thesis title, Guide Name, Institute/Organization/University, Year of Award

Title of the thesis: Bioconjugation of enzymes and nanoparticles with special reference to amylase from Indigenous strains of *Aureobasidium pullulans*

Guide's Name: Dr. R.L. Deopurkar, 2018

University : Savitribai Phule Pune University, Pune.

15. Work Experience in chronological order

100 TO OTH Emperionee in chronological order					
Sr. No	Position	Name of Institute	From	To	Pay Scale
1	Lecturer	T.C. College	1998	2003	8000-13500
2	Senior scale	T.C. College	2003	2009	10,000-15200
3	Selection grade	T.C. College	2009	2012	12000-18300
4	Asst. Professor	T.C. College	2009	2012	15600-39100
5	Asso. Professor	T.C. College	2012	2022	37400-67000
6	Professor	T.C. College	2022	onward	131400-217100

16. Professional Recognition/ Award/ Prize/Certificate, Fellow participant

Sr. No	Name of Award/ Recognition	Awarding Agency	Year
1	Travel grant award to participate in	BCUD	2017-18
	International conference, Singapore		
2	Nominated as BoS member in	SPPU, Pune	2018 to
	Microbiology		31/08/2022
3	Appointed as an IQAC Coordinator	Tuljaram Chaturchand	01/06/2020
	of Tuljaram Chaturchand College	College	
4	Appointed as an NAAC Coordinator	Tuljaram Chaturchand	01/06/2020
	of Tuljaram Chaturchand College	College	
5	Appointed as Vice Principal	Tuljaram Chaturchand	05/01/2021
		College	
6	Member of College Development	Tuljaram Chaturchand	17/10/2022
	Committee	College	
7	Member of Purchase committee	Tuljaram Chaturchand	01/09/2021
		College	
8	Member of Academic Council	Tuljaram Chaturchand	01/06/2022
		College	
9	Best Innovative Teaching Award 23-	Savitribai Phule Pune	26/01/2024
	24	University, Pune	
10	Best Academician Award	International Conference	15/2/2024
		on Innovations in	
		Biotechnology Research	
		for Sustainable	
		Bioresources and	
1.4		Bioeconomy	0.6/04/04
11	Appointed as a BoS member in	Mauli Green army Trust,	26/01/24
	Environmental Science	Government of	
		Maharashtra	

Patents published/Register:

- 1. Certificate of Registration of Design of Petri Plate Holder, The Patent Office, Government of India
- 2. Certificate of Registration of Design of Wire Loop, The Patent Office, Government of India

B. Publications

- 1. Sathe, S. J., **Mulay, Y. R.**, Subhedar. S. S., and Gajbhiye, M.H. (2012). Antibacterial activity of medicinal plants against dental pathogen. *Advances in plant science*, 25 (2), 659-661. ISSN 0970-3586ugc approval no 09703586
- 2. Sathe, S.J., **Mulay, Y. R.**, Gajbhiye, M. H., Kapadnis, B. P. (2012). Purification and characterization of antifungal compounds produced by *Lactobacillus paracollinoides* isolate from fresh vegetables. *Advances in plant science*, 25(2), 653-657. ISSN 0970-3586ugc approval no 09703586
- 3. **Mulay,Y.R.**, and Shinde, A.B. (2013). Bacteriological analysis of drinking water samples from different villages of Baramati Tehsil. *Interlink Research Analysis*.
- 4. Shinde, A.B., and **Mulay,Y.R.** (2015). Phytochemical analysis and antibacterial properties of some selected Indian medicinal plants. *International Journal of Current Microbiology and Applied* Sciences, 4(3), 228-235.
 - Two 18 rRNA sequences published in (http://www.ncbi.nlm.nih.gov/nuccore/term=Mulay)
- 5. **Mulay, Y.R.**, and Deopurkar, R.L. (2017). Production of amylase from indigenously isolated strain of *Aureobasidium pullulans* and its hyper producing mutant. *Journal of Microbiology, Biotechnology and Food Science*, 7(3), 287-293.
- 6. **Mulay, Y.R.**, and Deopurkar, R.L. (2018). Purification, characterization of amylase from indigenously isolated *Aureobasidium pullulans* Cau19 and its bioconjugates with gold nanoparticles. *Applied Biochemistry and Biotechnology*, 184(2), 644-658.
- 7. Priti Bhosale; Pooja Bhosale; Monika Sondage, **Mulay Yogini** and Shivaji Sathe (2019) Isolation and characterization of Probiotic Bacteria from various sources. *International Journal of pharmacy and Biological Sciences* **Page No: 144-151** ISSN: 2321-3272 (Print) ISSN: 2230-7605(Online)**UGC Approved**
- 8. Jagtap Komal, Sathe Shivaji, Bagwan Nilofar, Tathwadkar Swapna and **Mulay Yogini** (2019) Studies on isolation, screening of of L-asparginase producing bacteria, optimization and purification of L-aspaginase production. **Page No: 99-106** ISSN: 2321-3272 (Print) ISSN: 2230-7605(Online)**UGC Approved**
- 9. **Yogini Mulay**, Sheetal Owal, Pritam ChouguleandAdityaPandit (4/4/2020). Composting of floral waste by using indigenously isolated microbial consortium: An approach towards the environment sustainability and waste management; International Journal of Environmental & Agriculture Research (IJOEAR) ISSN:[2454-1850] [Vol-6, Issue-4, April- 2020]**Peer reviewed**
- 10. **Yogini Mulay**, P.Satav,N. Chopade, K. Shelar, A. Vare.(2021).Green synthesis of Silver nanoparticles and their applications. International Journal of Environmental & Agriculture Research 7, (7), (IJOEAR) ISSN:2454-1850
- 11. Maitreyee Mulay and **Yogini Mulay** (2021). Metal toxicity: Adverse Effect of E-waste on Human Health and bioremediation. Ecology, Environment and Conservation. S443 -S448
- 12. **Yogini Mulay**, (2021)Structural and functional properties of amylases Bioinfolet.18 (3)
- 13. Kajal M. Gaikwad, Geetanjali E. Pansare, Monika Madane and **Yogini R. Mulay**; (2022). Studies on Exopolysaccharide Production from Aureobasidium pullulans spi 10 and its Application as a Green Inhibitor for Corrosion mitigation, Journal of Applied Biology and Biotechnology, Vol. 10 (03) 34-43
- 14. Dhawal Doshi & Yogini Mulay (2024). Microbial surface active compound (SACs) for betterment of environment." Ecology, Environment and Conservation
- 15. K.M. Gaikwad, K.R.Jagtap, **Y.R.Mulay** (2024). A Review on Trending Applications of Pullulan in Pharmaceutical Industry, Ecology Environment & Conservation.

C. Research Guidance:

Research Completed : 2 students completed doctor of philosophy Research Ongoing : 3 students are registered for doctor of philosophy

M.Sc. Dissertation: Guided 68 students for Dissertation research projects

Sr.	Name of	Name of	Month and	Declaration	Title of the Research
No.	Scholar	University	Year	of Result	
			Registration		
	pleted	Lanner	107 /0 / /0 0 / 5	T = /2 /2 /2 /2	
1	Ganvir	SPPU	27/04/2016	5/7/2023	Studies on Bioremediation of
	Vishakha				Pesticide Contaminated Soils
	Nandlal		1210212012		
2	Kirdat	SPPU	13/03/2018	20/10/2023	Understanding genomic
	Kiran				factors associated with
	Nitin				pathogenicity and
					transmission of 16 S rII
					group phytoplasmas their
					taxonomy, and insect
	•				vectors'
Ong		T	T - 10 - 12 - 2 - 2		1
3	Ms.Kajal	SPPU	6/05/2023		Development of biocatalytic
	Mahadev				Model
	Gaikwad				Corrosionmitigation
4	Ms. Prajakta	SPPU	6/05/2023		Development of microbial
	Dattatray				consortium for production of
	Markale				bioethanol by using algal
					biomass
5	Ms.Priyanka	SPPU	09/05/2023		Biocomposite formation
	Vasant				using pullul an and
	Mali				Fruit peels for eco
					Friendly food packaging

D. Paper Presented in national International Conferences

Sr.	Topic of Paper Presented	Date	Organizer
No.			
1	Global warming & its	10 th to 12 th Jan	Agricultural Development Trust,
	consequences	2008	Shardabai Pawar Mahila Mahaidyalaya.
2	Studies on amylase and Ehanol	11 th to13 th	Agricultural Development Trust
	production from yeast like	Jan.2011	Shardabai pawar Mahila Mahaidyalaya
	fungus Aureobasidium pullulan		
	1049		
3	Purification and	3 rd -Feb 2012	Tuljaram Chaturchand College,
	characterization of antifungal		Baramati
	compounds produced by		
	Lactobacillus paracollinoides		
	isolate from fresh vegetables.		
4	Antibacterial activity of	3 rd -Feb 2012	Tuljaram Chaturchand College,
	medicinal plant against dental		Baramati
	pathogen		

5	Production of Amylase from Indigenously isolated <i>Aureobasidiumpullulan</i>	19 th Nov. to 20 th Nov. 2008	The Regional Conference for Pune University Teachers
6	Production & kinetic study of amylase from Aureobasidiumpullulan	12 th Nov.– 13 th Nov. 2009	The Regional Conference for Pune University Teachers
7	Starch based renewable fuel production	14 th Sep.to 15 th Sep.2012 22 nd – 25 th Nov,	Shardachandra Pawar Mahavidyalay, Lonand
8	Studies on biocontrol of pea rotting by <i>Pediococcuspentosaceus</i> .	22 nd – 25 th Nov, 2012	KIIT University, Bhubaneswar, Odisha
9	Studies on Antimicrobial potential of Medicinal Plants Against Pathogens Isolated from Pus.	27 th Dec. to 28 th Dec.2012	Dept. of Botany Mahatma Gandhi Mahavidyalaya Ahmedpur Dist. Latur (MS)
10	Starch based bioethanol production	11 th Jan 2013 to 12 th Jan 2013	Dept. of Microbiology, Yashvantrao Chavan Institute of Science, Satara
11	Bacteriological analysis of drinking water samples from Baramati taluka of pune district.	18 th Jan 2013 to 19 th Jan 2013	Dept. of Botany, Maharashtra Udayagiri Mahavidyalaya, Udgir
12	Biosynthesis of silver nanoparticles by Yeast strain	19 -20 Dec. 2014	Dept. of Microbiology, HPT Arts and RYK science College, and BCUD, SPPU
13	Strain Improvement of Aureobasidium pullulans for glucoamylase production	9 th and 10 th February, 2016	Pune District Education Association Annasaheb Magar Mahavidyalay, Pune and BCUD, SPPU, Pune.
14	Use of <i>Aureobasidium</i> pullulans strain isolated from phyllosphere for direct alcohol fermentation.	11 -13 February, 2016	Tuljaram Chaturchand College, Baramati.
15	Green biosynthesis of Gold nanoparticles and its application: for formation of Bioconjugate of amylase	17-21 July 2017	International Union of microbiological societies Singapore
16	Antimicrobial Properties of Different Medicinal Plants: Against Bacterial Pathogens	7 th to 9 th Feb 2019	Department of Microbiology Tuljaram Chaturchand College, Baramati
17	Biosynthesis and Characterization of Yttrium oxide nanoparticles using Aeglemarmelos leaf extract and evaluation of its antimicrobial activity	17/01/2020 to 18/01/20	National conference on Phage _ A Boon in Disguise organized by Department of Microbiology. Abeda Inamdar Senior College of Arts, Science & Commerce, Pune.
18	Temple floral waste management using microbial consortium	17/01/202 to 18/01/20	National conference on Phage _ A Boon in Disguise organized by Department of Microbiology. Abeda Inamdar Senior College of Arts, Science & Commerce, Pune.

19	Optimization of feather	11/02/20 to	International conference on	
19		12/02/20 to		
	degradation by Classical and	12/02/20	bioengineering and life sciences	
	Plackett- Burman		organized by New Arts, commerse and	
			science college, Ahmed nagar	
20	Development of nano -	24 to 26 Oct	International conference on Life,	
	biocatalytic model by	2019	chemical and health science organized	
	immobilization of amylase on		by Department of Life Science	
	silver nanoparticles		Ramaiah College of Arts, Science &	
			Commerce in collaboration with	
			Karnataka Science and Technology	
			Academy (KSTA) Department of IT,	
			BT and Science & Technology.	
			Government of Karnataka (GoK)	
21	Exploring L Asparaginase	5 Feb to 6 Feb	National Conference on "Microbial	
	producing bacterial isolates and	2024	bioprospecting for environmental	
	optimization for its enhanced		conservation and restoration "organized	
	production		by Department of Microbiology of	
			Shardabai Pawar Mahila Arts,	
			Commerce & Science College,	
			Shardanagar, Baramati	
22	Unraveling the Potential of	15 Feb and 16	International Conference on Innovations	
	Pullulan for corrosion	Feb 2024.	in Biotechnology Research for	
	mitigation		sustainable Bioresources and	
	_		Bioeconomy: challenges and practices.	
			organized by Sanjivani Arts Commerce	
			and Science College, Kopergaon	
23	Antimicrobial susceptibility	16 th &	International conference on	
	testing of	17 th May	Biotechnology for Better Tomorrow:	
	Carboxymethylated pullulan	2024	BTBT2024 Institute of Fundamental	
		2027	and Applied Research,	
			National University (TIIAME)	
			Tashkent, Uzbekistan	

E. Work as a Subject Expert

Sr.	Name of The College	Date
No.	rame of the conege	Date
110.		
1	Someshwar Shikshan Prasarak Nandal, Someshwar	18-10-2010
2	Vidya Pratishthan school of Biotechnology	24- 08-2011
3	Worked as lady representative nominated by Joint Director,	21/01/2020
	Devchand College, Arjun Nagar, Kolhapur	

F. Participation in International/ National / State Level Conferences / Workshops

Sr.	Title	Name of Sponsoring Agency	Level	Date
No.				
1	Restructuring of syllabus	UGC	University	1998
	T.Y.B.Sc.		_	
2	Relevance of	UGC	State level	1998
	Bioinformatics in		conference	
	Microbiology			

3	Syllabus restructuring workshop	UGC	Workshops	2001
4	Syllabus restructuring workshop	UGC	Workshops	2003
5	Workshop on Genetic Engineering	UGC	State level conference	2005
6	Intercollege seminar & Group discussion	Rotary club	Workshop	23 Jan. 2007
7	National conference on Global warming	UGC	National conference	2008
8	Innovation 2008-2009	BCUD	National conference	2008
9	Syllabus restructuring workshop	UGC	University	2009
10	Innovation 2009-2010	BCUD	National conference	2009
11	Future prospect in life science	UGC	National conference	2009
12	Frontiers in Life science	UGC	National conference	Jan.2011
13	APSI Scientist meet 2012	UGC	National conference	2012
14	New horizons in applied science	UGC&Sharadchandrapawar Mahavidyalaya, Lonand, Satara	National conference	Sep. 2012
15	Microbial World :Recent Innovations and Future Trends	AMI	Internationa 1 Conference	Nov.201 2
16	Orientation Lecture workshop for AVISHKAR 2012	BCUD & T.C. College, Baramati	Workshop	2 Dec. 2012
17	Recent trends and Future Prospects in life science	UGC & S.R.T.M. University & Dept. of Botany Mahatma Gandhi Mahavidyalaya, AhmedpurDist Latur (MS)	National conference	27 th Dec to 28 th Dec 2012
18	Applied Microbiology for globe protection	UGC &Yashvantraochavan Institute of science, satara	National seminar	11 th Jan. and 12 th Jan.2013
19	Recent Trends and Future prospects in Biological science	UGC & SRTM university Nanded, Dept. of Botany Maharashtra UdayagiriMahavidyalaya ,Udgir	National conference	18 th Jan and 19 th Jan. 2013
20	Recent Development in mathematics and Statistics	UGC & Tuljaram Chaturchand College, Baramati	National Conference	14 th Feb and 16 th Feb 2013
20	Post-Independence Indian fiction in English	Dept. of English, University of pune. & Tuljaram Chaturchand	State level seminar	9 th March

		College, Baramati		2013
21	Innovation 13	B CUD , University of pune	Regional conference.	
21	International conference on Emerging Horizon in Biochemical sciences Nanomaterials (EHBCSN- 2013)	UGC &ShriShivajiShikshanPrasarak Mandal, Barshi'sShriShivaji Mahavidyalaya, Barshi	Internationa l Conference	28 th -30 novemb er 2013
22	Workshop on M Sc. II credit based syllabus detailing.	Dept. of Microbiology ,Tuljaram Chaturchand college, and bcud Savitribai phule , pune university	University	8 July. To 9 July. 2014
23	National conference on – Recent Trrends in nanoscience: Technique and Application for Life science	Dept. of Microbiology, HPT Arts and RYK science College , and BCUD,Savitribaiphule Pune University, pune	National conference	19 -20 dec. 2014
24	Vidyarthinivyaktimatvavika skaryashala	Savitribai phule , pune university &vidyarthikalyanmandal , 8haturch8haturchand college	Regional conference	28 jan. 2015
25	Work shop on T.Y.BSc. Microbiology Syllabus discussion	Shardabai pawarmahilavidyalaya&Savitri baiphulepuneuniversity,pune	University	30 jan- 31 jan 2015
26	Nirbhay Kanya Abhiyan - For girls	Savitribai phule , pune university &vidyarthikalyanmandal , Tuljaramchaturchand college	Regional conference	16 Feb 2015
27	Role of IQAC in industrial Quality Improvement	BCUD,Savitribai Phule Pune University, Pune, Tuljaram chaturchand college	State level seminar	26 Dec.201
28	Innovative trends in chemical, physical and biosciences (ITCPB 2016)	Pune district education association , AnnasahebMagar Mahavidyalaya , Hadapsar, pune 28	Internationa 1 conference	9-10 Feb 2016
29	International conference on plant research and resource management APSI silver Jubilee scientist meet 2016	Tuljaram chaturchand college in collaboration with academy of plant sciences, India, Muzaffarnagar (U.P.)	Internationa 1 conference	11-13 Feb 2016
30	National level workshop on 'Chromatographic and spectroscopic findings in life science ressearch'	Vidya PratishthansArts ,Science And Commerce College ,Vidyanagari, Baramati, Dist- Pune in collaboration with school of Biotechnology, Baramati.	National level workshop	8 -9 March 2016
31	IUMS 17	Singapore Society for Microbiology and Biotechnology.	Internationa l conference at Singapore	17- 21July 2017

21	Dagional laval was state as	Importance of VOC A	Dagiana ¹	4.0
31	Regional level workshop	Importance of YOGA	Regional workshop	4-9- 2017
31	India International Science	National Science Congress	Internationa	5 th Oct
	Festival 2018	Association	1 Science	2018 to
	At Lucknow		Festival at	8 th Oct
			Lucknow	2018
32	International Conference	BCUD, SPPU, Pune	Internationa	7 th to 9
	(ICESMT 2019)		1 conference	th Feb
	Department of			2019
	Microbiology Tuljaram			
	Chaturchand College,			
22	Baramati	D 1D CDDII 1	TT	20 th
33	Implementation of New	Board Deans, SPPU and	University	20 th
	CBCS F. Y. BSc. Syllabus	Department of Microbiology,	level	July 2019
34	of Microbiology 2019-20	AbasahebGarware College. Board of Deans, SPPU and	Workshop University	2019 26 to 27
34	Implementation of M.Sc. I Microbiology Syllabus	Department of Microbiology,	level	July
	2019-20	Abeda Inamdar College,	Workshop	2019
35	Science popularization	Mordern College of Arts,	University	30
	program, science Fair 2019	Science and Commerce	level	th Aug.
	F8	sponsored by DBT,		2019
		Government of India		
36	International conference on	Department of Life Sciences	Internationa	24 th to
	Life, Chemical, and Health	Ramaiah College of Arts,	l Level	26 th
	Sciences (ICLCHS)	Science and Commerce in		Oct.
		collaboration with Karnataka		2019
		Science and		
		TechnologyAcademy (KSTA) Department of IT, PT		
		(KSTA).Department of IT, BT		
		and Science &Technology, Government of Karnataka		
		(GoK)		
37	Maintenance and Operation	Tuljaram Chaturchand College	University	25 to 29
	of Laboratory Equipment	in collaboration with Western	level	Nov.
		Regional Instrumentation center (WRIC), Mumbai	workshop	2019
38	Interactive role of Faculty	IQAC, Tuljaram Chaturchand	State level	14/02/20
	and students in Quality	College, Baramati	Seminar	to 15
	Assurance			/02/20
39	National webinar on	Tuljaram Chaturchand College	National	22 April
	Assessment and Accredition	under UGC-PARAMARSH	level	2020 to
	: A Revised	scheme	workshop	26 April
	AccreditionFramwork" for			2020
	Affiliated College			
40	National Webinar on	Microbiology Society of India	National	25 April
	Scientific writing in life		Webinar	2020
4.1	Science		NT 41 1	20, 20
41	National webinar on	Organized by Government of	National	29-30

	"Introducton to Research Design from Theory to Practice	Maharashtra's Elphinston College, Mumbai	webinar	April 2020
42	National Webinar on "Challenges and Opportunities before Indian Higher education due to Covid-19	Guru Angad Dev Teaching Learning Centre SGTB Khalsa, University of Delhi under the Pandit Madan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD	National Seminar	2/05/202
43	Covid 19 : pandemic : Spread and Solution"	Organized by Jawaharlal Nehru University, New Delhi	National Webinar	3/05/202
44	Effective ways to Develop E content	Organized by DevkibaChauhan College of Commerce and science, dated on 9/5/20	National webinar	9/05/202
45	NAAC: Systematic DATA organization and presentation	Organized by IQAC, Vidyalankar Institute of Technology, Mumbai.	National webinar	16 / 5/20
46	Conquering less attended area in NAAC and outcome based education	Organized by IQAC Cluster India and white code	National webinar	1/6/20 to 3/6/20
47	Research Methodology& SPSS	Organized by Tuljaram Chaturchand Collge under UGC Paramarsh Scheme	Regional webinar	8/06/20
48	Course outcome, Program outcome and its mapping	Organized by IQAC, Tuljaram Chaturchand College, Baram	Regional webinar	5 to 6 Oct 2020
49	Designing of MCQ questions	Organized by IQAC, Tuljaram Chaturchand College, Baramati	Regional webinar	
50	Workshop on T Y B.Sc. Microbiology Syllabus Detailing	Organized by Department of Microbiology, Sharda Bai Pawar Mahila mahavidyalaya	University level Workshop	4 to 6 June 2021
51	International conference on "Pioneering Research in Microbiology and Environmental science "	Department of Microbiology, AnnasahebMagar Mahavidyalaya	Internationa 1 Conference	7 to 8 Sep 2021
52	National Level Workshop on Curriculum Framework 2022 for Universities, Engineering Colleges and Degree Colleges"	Institute for Academic Excellence, Hyderabad" in collaboration with "Collegiate Education & Technical Education Department, Govt. of Telangana.	National	21 to 22 March 2022
53	National Level Workshop on Transformation through NAAC accreditation process	Institute for Academic Excellence, Hyderabad " in collaboration with "Collegiate Education & Technical Education Department, Govt. of Telangana.	National	20 to 21 June 2022

G. Refresher Courses Attended:

Sr.	Date	University	Subject
No.		_	
1	10-06-2002 to 29-06-2002	Pune	Life science
2	30-10-2006 to 18-11-2006	Mumbai	Life science
3	2-12-2008 to 22-12-2008	Pune	Life sience
	Faculty Develo	pment Program	
4	10-10-2011 to 16-10-2011	Pune	Life science
5	18/05/2020 to 03/06/2020	Teahing learning	Managing online
		center Ramanujan	classes and co
		College University of	creating Moocs
		Delhi	
6	28/12/20 to 2/12/21	ICT Academy	Faculty Development
		•	on Creative Thinking
7	1/7/21 to 7/7/21	RUSA & VPM's K G	Faculty Development
		Joshi College of Arts	on New Education
		and N G Bedekar	Policy in Higher
		Collegeof Commerce	Education- Context
		Thane & Ramanand	and Perspectives
		Arya D A V College,	r
		Mumbai	
8	19/03/24 to 9/04/24	IQAC Cluster India	Course on "How to
			face Peer Team Visits
			and SSS"

H. Orientation Courses Attended

Sr.No.	Date	University
1	2-03-2001 to 29-03-2001	Pune

I. Life Membership of Professional bodies

Sr. No.	Name of Professional Body
1	Association of Microbiologist of India
2	Microbiologist Society

J. Research Project completed

Sr.	Title	Agency	Period	Grant
No.				(Rs.)
1	Studies on Amylase from Thermophiles	BCUD	2011-2013	2,50,000/-
2	Kinetic & Catalytic properties of Amylase from	BCUD	2008-2010	2,00000/-
	Aureobasidium pullulans	всор	2008-2010	2,00000/-
3	Production, Purification & Characterization of			
	an Amylase from indigenously isolated strain of	UGC	2007-2009	87,000/-
	Aureobasidium pullulans			
4	Studies on Vineyard isolates for the Biocontrol	BCUD	2011-2013	2,80,000/-
	of fungal disease of VitisVinlfera'(Co-			
	investigator)			
5	Biofuel Production	Seed	2023-2024	1,05,000/

	Money to	
	Teacher,	
	T C	
	College	

K. Administrative Work / Extra Curricular Work

Sr.	Designation Period			
No.	Designation	renou		
1	Member of time table committee	2011-2112		
2	Member of soft skill development program	2011-2012		
3	Member of medical checkup committe	2011-2012		
4	Worked as a departmental IQAC Coordinator	2012-2013		
5	Member of time table committee	2012-2013		
6	Member of Women Empowerment cell.	2012-2014		
7	Member of soft skill development program	2017-18		
8	Member of blood donation committee.	2012 -2015		
9	STAR college scheme Ass.Coordinator	2017-2020		
10	Member of placement cell & Employment news.	2016-2017		
11	Member of ED cell	2019 onwards		
12	IQAC Coordinator	1/06/20 onwards		
13	NAAC Coordinator	1/06/20 onwards		
14	Green Audit	1/06/20 onwards		
15	Energy Audit	1/06/20 onwards		
16	UGC PARAMARSH scheme	1/06/20 onwards		
17	Member of College Development Committee	20-21		
18	Member of Autonomous Steering Committee	20-21		
19	Member of Planning and Evaluation Committee	20-21		
20	Member of Centre for Innovative and Applied Research (CIAR)	20-21		
21	Member of Student Development Committee	20-21		
22	Member of antisexual Harassment Committee	20-21		
23	Member of women Empowerment	20-21		
24	Member of College handbook	20-21		
25	Member of library Advisory Committee	20-21		
26	Vice Principal	5/6/2021 onwards		
27	Member of Purchase Committee	1/9/2021 to 1/9/2024		
27	Member of Academic Council	15/06/22 onwards		
28	Member of College Development Committee	17/10/2022 onwards		
29	Member of Institute Innovation Council	2024 onwards		

L. Examination work

Sr. No.	Capacity	College / University Exam	Date
1	Paper setter	T.Y B.Sc. University	2004 to 2005
2	Moderator	T.Y B.Sc. University	2004 to 2005

3	Examiner	S.Y.B.Sc. University	1996 onwards
		T.Y B.Sc. University	
4	Senior Supervisor	University exam	9 August to 19
			August 2014
5	Junior Supervisor	University	1996 onwards
6	Custodian	university exam	9 april to 24 april
			2015

M. Worked as Resource Person

- 1) On occasion of Women's day delivered lecture on 'Mental health of women' for all lady faculty member of the Tuljaram Chaturchand College, Baramati.8 th March 2020
- 2) Worked as a resource person at faculty Development Program entitled as "Mathematics for Biological Science" organized by Shardabai Pawar Mahavidyalaya on 15 June 2020 to 20 June 2020
- 3) Worked as a resource person for S Y BSc. Syllabus detailing workshop organized by Department of Microbiology, Shardabai Pawar Mahila Mahavidyalaya dated on 22/06/2020
- 4) Worked as a resource person at Webinar on 'Implementation of RUSA Software for NAAC' dated on 1/12/2020 organized by Vidya Pratishthan's Arts Science and CommerceCollege, Baramati.
- 5) Worked as a resource person at Webinar on 'Implementation of RUSA Software for NAAC' dated on 1/12/2020 organized by Sharda bai Pawar Mahila Mahavidyalaya dated on 15/12/2020
- 6) Worked as a resource person for Guest lecture series on NAAC Criteria under UGC PARAMARSH Scheme organized by Tuljaram Chaturchand College for Someshwar College of Science, Baramati. Topic: Revised accreditation framework of NAAC Date:4/01 2021
- 7) Worked as a Academic Auditor for Baramati College of Pharmacy, Barhanpur, Baramati, dated on 23/03/2021
- 8) Worked as a guest speaker for lecture series organized by Shardabai Pawar Mahavidyalaya, entitled as "Mathematics for biological science" from 26 to 29 April 2021.
- 9) Worked as a resource person for workshop on RUSA software training dated on 21/5/21
- 10) Resource Person for Training program for RUSA software by Sangameshwar College, Solapur in association with RUSA Mumbai scheme TC college, 22 July 2021
- 11) Resource Person at the One day National Seminar on the theme "Integrated Mode of Teaching & Learning –Use of Advance ICT Tools." Held on 20th August 2022, in collaboration with National Assessment and Accreditation Council (NAAC), being organized under the Internal Quality Cell (IQAC) of GHRIMR, Nagpur.
- 12) Resource Person for Workshop on "Quality Enhancement Initiatives for National Education Policy 2020". Held on November 2022, organized by IQAC of Phaltan Education Society's MudhojiCollege .Phaltan .
- 13) Resource person at Two days state level Workshop on National Education policy 2020 Topic: Multidisciplinary Education dated on 14 th and 15 th Feb 2023 sponsored by SPPU organized by IQAC, IndapurTalukaGramvikas Pratishthan's VishwasraoRansing College, Arts, Commerce and Science, Kalamb—Walchandnagar, Indapur, Pune.
- 14) Resource person at one day workshop on "Implementation of NEP -2020" Held on 21/06/23 organized by G H RAISONI College of Arts, Commerce and Science, Wagholi, Pune.
- 15) Resourse person at Ph. D. Course work organized by Botany Department on 22/12/23
- 16) Resource person at Vidya Pratishthan's Commerce & Science College at Indapur on 19/1/2024
- 17) Resourse person at Vidya Pratishthan's Commerce & Science College at Indapur
- 18) Resource person at International conference on Innovations in Biotechnology Research for Sustainable Bioresources and Bioeconomy: Challenges and Practices "organized by Sanjivani Arts, Commerce and science college, Kopargaon in collaboration with Ural Federal University, Russia,

- Swedish South Asian Network for Fermented foods (SASNET-FF, Anand, Gujrat) and Institute of fundamental and applied research, National Research University (TIIAME), Tashkent, Uzbekistan
- 19) Resource person for workshop on "Hands –on training on NAAC Accreditation process "at Delonix Society's Baramati College of Pharmacy dated on 7/03/2024.

N. Organized workshop

- 1) Worked as a **Coordinator** for Faculty Development Program on Mathematics for Biological Sciences organized by the Faculty development Center, UGC-Human Resource Development Centre, Savitribai Phule Pune University at the Tuljaram Chaturchand College, Baramati, during the period from 03/12/2018 to 9/12/2018.
- 2) Worked as a Coordinator for organization of International Conference (ICESMT 2019) in the Department of Microbiology, Tuljaram Chaturchand College.

 Baramati
- 3) Worked as an organizing secretory for organization of university level workshop on Maintenance and Operation of Laboratory Equipment
- 4) Organized webinar on Quality Enhancing AQAR -SSR and its documentation under PARAMARSH scheme, dated on 30/06/2020
- 5) Organized two days online workshop on "CO, PO and its mapping" dated on 5 October to 6 October 2020
- 6) Worked as an organizing secretory for national workshop on Covid Vaccine: Truth and Untruth unfold organized by Department of Microbiology, Tuljaram Chaturchand College under the RUSA dated on 27/01/21 to 29/01/21 for 3 days.
- 7) Organized two days' workshop on Designing of MCQ , under the PARAMARSH scheme , dated on 18/05/21 to 19/05/21
- 8) Organized workshop on Training on RUSA software, under the PARAMARSH scheme, dated on 21/05/21
- 9) Organized workshop on Approaching NAAC with revised framework, under Paramarsh scheme dated on 28/9/21 to 29/9/21

O. Academic achievements:

- 1. **Second prize** for poster presentation in **National Conference** "Recent Trends in Nanoscience: Techniques and Applications for Life Sciences" organized by Dept. of Microbiology, HPT Arts and RYK science College, and BCUD, Savitribai Phule Pune University, Pune.
- 2. **Second prize** for poster presentation in **International conference** on "Plant Research and Resource Management" organized by Tuljaram Chaturchand College of Arts, Science and commerce, Baramati in Collaboration with Academy of plant Sciences, India, Muzaffarnagar (U.P.)
- 3. Received "**Gunvanti**" award for the year of 2017-18 from Tuljaram Chaturchand College, Baramati.
- 4. Received **Best Innovative Teaching Award** for the year 2023-24 by Savitribai Phule Pune University, Pune
- 5. **Best Academician Award** at International Conference on Innovations in Biotechnology Research for Sustainable Bioresources and Bioeconomy: Challenges and Practices "organized by Sanjivani Arts, Commerce and science college, Kopargaon in collaboration with Ural Federal University, Russia, Swedish South Asian Network for Fermented foods (SASNET-FF, Anand, Gujrat) and Institute of fundamental and applied research, National Research University (TIIAME), Tashkent, Uzbekistan

P. Video link of E content developed:

Bacterial Genetics S Y B.Sc.

1. https://youtu.be/EE8jkv6sxs4 Griffith Experiment.

- 2. https://youtu.be/D3adwUSmL4c Avery Macleod Experiment
- 3. https://youtu.be/ELzL9IyOEDY Gierer and Schramm / Fraenkel-Conrat& Singer
- 4. https://youtu.be/ZFc_SeZs2FA B form of DNA
- 5. https://youtu.be/jVM7mQbJPeE Hydrogen bonds
- 6. https://youtu.be/UI73p37CT2Y phosphodiester bond
- 7. https://youtu.be/yN784Qi6uG4 Plasmid
- 8. https://youtu.be/URnjn8yNQmQ Different forms of DNA
- 9. https://youtu.be/KXXhafeCFbI Bidirectional Mode of Replication
- 10. https://youtu.be/EzaQe8vBGUM Semi discontinuous Mode of replication
- 11. https://youtu.be/ITfAZDywaBA transcription
- 12. https://youtu.be/wt2q4asFck4 translation
- 13. https://youtu.be/_ClHGceIo6w charging of tRNA
- 14. https://youtu.be/wt2q4asFck4 3 stages of protein synthesis
- 15. https://youtu.be/GJmzrVRCg2Y Initiation of protein synthesis Industrial Microbiology
- 16. https://youtu.be/UfXBjOlU5P0 Characteristics of Industrial Strains
- 17. https://youtu.be/Qmwq8qUMbr4 Screening
- 18. https://youtu.be/eL2M0M ISE8 Screening of antibiotic Producing Organisms
- 19. https://youtu.be/CaPpy4DV iE Wilkins Method
- 20. https://youtu.be/S7q3SebNo7w Secondary Screening
- 21. https://youtu.be/9kSGlP9OtaE Inoculum Development
- 22. https://youtu.be/m0JkljuErPs Fermentor and it's parts.mp4
- 23. https://youtu.be/9zd2NMRvAto Process control and Monitoring.mp4nk
- 24. https://youtu.be/1ginFcPQxTg Temp Control
- 25. https://youtu.be/Rr-WYV8q4rs Foam Control
- 26. https://youtu.be/QfzjQGmopV4 Causes and Consequences of Contamination
- 27. https://youtu.be/EN443gvnM7Q Precautions to avoid contamination
- 28. https://youtu.be/reUKXB0_J1g Fermentation media
- 29. https://youtu.be/Z5fqmyK1-Ms Carbon sources
- 30. https://youtu.be/wpbCJLiIZ9M Nitrogen Source
- 31. https://youtu.be/IaoA2Aqpp-U Buffer

Soil Microbiology

- 32. https://youtu.be/tM02dCJebJE Types of soil
- 33. https://youtu.be/9Gnw_Ij_06g Soil Microorganisms
- 34. https://youtu.be/dKqmWByy3w0 compost
- 35. https://youtu.be/RK9eqFQxrjs Nitrogen cycle
- 36. https://youtu.be/YkJ1Q7lcgm8 Characteristics of Organic Compound
- 37. https://youtu.be/0QDlWRtYXbQ Sulphur Cycle
- 38. https://youtu.be/QClN5Q_QYFY Hemicellulose degradation
- 39. https://youtu.be/vVED9YAZ920 Lignin degradation
- 40. https://youtu.be/2TEYswhtKgE carbon cycle
- 41. https://youtu.be/2TEYswhtKgE carbon cycle

Molecular Biology and Genetics

- 42. https://youtu.be/WAbFrsyEqZ8 Viral Genome
- 43. https://youtu.be/RvXwwfX5XBQ Bacterial Genome
- 44. https://youtu.be/UC_jhzymlUk Eukaryotic Genome Organization: Eukaryotic Cell cycle
- 45. https://youtu.be/LlE8IP6b2r0 30 nm fiber
- 46. https://youtu.be/qVF7uCn8RJU 300 nm Fiber
- 47. https://youtu.be/0dn2uvMq2NU Euchromatin and HeterochromatinReplication
- 48. https://youtu.be/4yKrIGqlTwI Prepriming Reaction

- 49. https://youtu.be/nVJK61HrhJw Priming Reaction
- 50. https://youtu.be/KXXhafeCFbI Bidirectional mode of Replication
- 51. https://youtu.be/EzaQe8vBGUM Semidiscontinuous mode of replication
- 52. https://youtu.be/6asJivTCV0w DNA polymerase
- 53. https://youtu.be/_EKrf7bNa3o Termination of ReplicationTranscription
- 54. https://youtu.be/ITfAZDywaBA Transcription
- 55. https://youtu.be/6KuDuS-nhdo Termination of transcription
- 56. https://youtu.be/DXRLl44Z37g Promoters for Eukaryotic RNA Polymerase
- 57. https://youtu.be/8esBblWhc4I Initiation of Eukaryotic Transcription RNA Pol. I
- 58. https://youtu.be/eYhg_WB5Iiw Initiation of Eukaryotic Transcription: RNA Pol. II https://youtu.be/x3Ra1cRwJU4 Initiation of Eukaryotic Transcription: RNA Pol. III DNA Damage
- 59. https://youtu.be/358AopGn7v4 DNA damage
- 60. https://youtu.be/4J7TsaKUHyI Nucleotide excision repair
- 61. https://youtu.be/afAxuMj7d8Q Base excision repair
- 62. https://youtu.be/maLfKanC4WY Double strand break repair Translation
- 63. https://youtu.be/ gC5MddTpno Structure of mRNA, rRNA and tRNA
- 64. https://youtu.be/Tg5XfoVxvX4 Different site on ribosome
- 65. https://youtu.be/5bi807PrVgI Elongation
- 66. https://youtu.be/_S9V4zomxsQ Termination of protein synthesis
- 67. https://youtu.be/_ClHGceIo6w Charging of tRNAVirus
- 68. https://youtu.be/3FKoyfhJiB4 One step growth curve
- 69. https://youtu.be/Jq--vInTYxo lambda Bacteriophage
- 70. https://youtu.be/EE8jkv6sxs4 Discovery of transformation
- 71. https://youtu.be/zJXWXpSZE90Generalised transduction
- 72. https://youtu.be/nwfcFE2KJzw Specialized transduction
- 73. https://youtu.be/LXIxvq7HoEY Conjugation
- 74. https://youtu.be/0fzF0YsXzO0 F plasmid
- 75. https://youtu.be/09QwyUnkeXQ Cross F+ X F-
- 76. https://youtu.be/hckenuxrS60Hfr X F-
- 77. https://youtu.be/O-3erh-VxVg linkage
- 78. https://youtu.be/rH2uIhEP65kcotransformation mapping
- 79. https://youtu.be/dJLdc-2Gkw0Cotransduction mapping
- 80. https://youtu.be/4g57uSFtdU8 Conjugation mapping
- 81. https://youtu.be/YMo_nKRixWIMendels law
- 82. https://youtu.be/dLgPguls3f8 Tetrad mapping
- 83. https://youtu.be/bkPc7HMRMCM Types of Restriction Endonuclease enzymes
- 84. https://youtu.be/JRqLwUYUl_g Cutting and joining of DNA
- 85. https://youtu.be/YhINAKylLvk Nomenclature of RE 3
- 86. https://youtu.be/1SuSclbgmz8 Recognition sequence
- 87. https://youtu.be/We61cZXvCmw Mode of action of Restriction Endonucleasde
- 88. https://youtu.be/3JEeDlNqwf4 Joining of molecules
- 89. https://youtu.be/LLdM6TnYipw Linker
- 90. https://youtu.be/8AtoYNwgQ9w Adaptor
- 91. https://youtu.be/ambFhhhwfgg Homopolymer tailing
- 92. https://youtu.be/pQ7JNoEjr6E Insertion of Foreign DNA
- 93. https://youtu.be/OilhAxhtytE Plasmid vector
- 94. https://youtu.be/Y8clqiTO0og Bacteriophage Vectors
- 95. https://youtu.be/IC5FaBuMnrQCosmid
- 96. https://youtu.be/zc5ZUN5TZow BAC

- 97. 98.
- https://youtu.be/DEMjQRwbreM PAC https://youtu.be/h1oC ZCXLc Expression vector https://youtu.be/qLxcpPHHwcg Phagemid
- 99.