



Rayat Shikshan Sanstha's
Yashavantrao Chavan Institute of Science, Satara (Autonomous)
Lead College of Karmaveer Bhaurao Patil University, Satara

Faculty Profile

❖ **General information**

Name : Mrs. Patil Vidya Santosh.
Designation : Assistant Professor
Department : Microbiology
Educational Qualification : M.Sc. SET (Biochemistry)
Date of Appointment : 01/02/2005
Teaching Experience : UG: 18 years
PG: 12 years
Research Experience : 12 years
Research Area : Spectroscopy, In-Silico studies, Bioremediation.



❖ **Educational Qualification Details (undergraduate onwards)**

Sr. No.	College/University	Degree	Subjects	Year	Class/ Percentage
1	Shivaji University, Kolhapur	B. Sc.	Microbiology	2001	74 %
2	Shivaji University, Kolhapur	M. Sc.	Biochemistry	2003	64 %
3	SPPU Pune	SET	Life Science	2007	Qualify
3	SPPU Pune	Ph.D. (Perusing)	Chemistry - Biochemistry	-	

❖ **Academic and Administrative Responsibilities**

Sr. No.	Position	Organization	Date/Duration
1	Co ordinator – Food Technology Department	YCIS, Satara	2021- till date
2	Chairman – Student Counselling Cell	YCIS, Satara	2021- till date
3	Chairman – Net SET Guidance Committee	YCIS, Satara	2019- 2021
4	Member – Youth, Cultural Committee	YCIS, Satara	2018- till date
5	Member – Net SET Guidance Committee	YCIS, Satara	2022- till date
6	Member – Attendance Committee	YCIS, Satara	2020- till date
7	BOS Chairman – Forensic Science	YCIS, Satara	2015- 2018
7	BOS Chairman – Food Technology	YCIS, Satara	2023- till date
8	BOS Member – Food Technology	YCIS, Satara	2021- 2023

9	BOS Member – Food Technology	SGM College Karad	2022 - till date
10	BOS Member – Biochemistry	SUK & YCIS, Satara	2012 - 2022
11	Senior Supervisor	YCIS, Satara	2021- till date
12	Chairman (Paper Setting)	YCIS, Satara	2012- till date
13	Paper Setter	YCIS, Satara	2010 - till date
14	Examiner	YCIS, Satara	2010 - till date
15	Worked as subject expert in biochemistry for local selection committee	Rayat Shikshan Sanstha	2017- till date
16	LIC committee member at Yashvantrao Chavan Warna Mahavidyalay Warana	Shivaji University Kolhapur	8 July 2019
17	LIC committee member at B. D. College Patan	Shivaji University Kolhapur	2021

❖ **Awards/Honors/Recognitions/Scholarship etc.:**

Sr. No.	Name of the award/honor/recognition	Awarding Organization	Date and year
1	Second prize for paper presentation in national Seminar	YCIS Satara	2015
2	Second prize for paper presentation in national conference	SGM Karad	2022

❖ **Membership to Professional Organizations/Associations:**

Sr. No.	Membership type (Annual/Life/any other)	Organization/Association	Date and year
1	Life time	SUTA – SUK kolhapur	2005 – till date

❖ **Worked as Editor/Reviewer to Journals/Books/Proceedings etc. – NA**

Sr. No.	Name of the Journal/Book/Proceedings	ISSN/IS BN No.	Assignment (Editor/Reviewer)	Publisher	Publication year
1					

❖ **Research Projects (Ongoing/Completed)**

Sr. No.	Title of Project	Duration	Amount Sanctioned (in Lakhs)	Agency	Status (Ongoing/ Completed)
Major Research Project					

1	Development of microbial consortium and a low cost technology for oil sludge waste management.	2 years	1,00,000/-	RUSA	Completed
Minor Research Project -					
1	Prediction and analysis of factors affecting on lumpy skin disease using AI - Co investigator	2 years	25,000/-	Institutional seed money project scheme	Ongoing

❖ **Research Guidance:**

- Number of students projects (M. Sc. 1) Completed: 05
- Number of students (M.Phil) 1) Completed: NA 2) Registered: NA
- Number of students (Ph.D.) 1) Completed: NA 2) Registered: NA

❖ **Details of Research Publications**

A) Patent

Sr. No.	Title	Patent No.	Indian/US/ Any other	Granting date
1				
2				

B) Books/Book Chapters

Sr. No.	Title of Chapter	Book name	Year	Publisher	ISBN Number	Type/ Impact Factor
1	Communal Action of Microbial Cultures for Biodegradation & Decolorization of Textile Dyes: Current & General Aspect.	Microbial Research- An Overview	2019	I.K. International Publishing House	ISBN: 978-93-85909-44-3/ 2019	Reference

C) Datasets Submission

Sr. No.	Title	Accession No.	Data base	Year of publication
1				
2				

D) Research papers:

Sr. No.	Title of Paper	Journal name	Year	Abstracting & Indexing	Publisher	ISSN Number	Impact Factor
Papers							
1	Screening and isolation of bacterial species from oil sludge contaminated soil to study its oil sludge degradation activity	Bulletin of Environment, Pharmacology and Life Sciences	2023	UGC CARE List & Web of Science	ACAD Environment & Life Sciences	Online ISSN 2277-1808	-
2	Spectroscopic Study of Conformational Change in Bovine Serum Albumin with Increasing High Concentration of Chlorpromazine	Bulletin of Environment, Pharmacology and Life Sciences	2023	UGC CARE List & Web of Science	ACAD Environment & Life Sciences	Online ISSN 2277-1808	-
3	A molecular bridge-like binding mode of buspirone to BSA: Multispectroscopic and molecular docking investigation	Chemical Data Collections	2022	Scopus	Elsevier BV	ISSN - 24058300	2.5
4	Effective removal of chromium from aqueous solution by adsorption on powdered wool: In-Silico studies of adsorption mechanism	Chemical Data Collections	2022	Scopus	Elsevier BV	ISSN - 24058300	2.5
5	Circular Dichroism Spectroscopy Study of BSA on Binding with High Concentration of Buspirone	Trajectory Vol. 26: 117-120	2018	UGC CARE List	Karmaveer Vidya Prabodhini	ISSN: 0975-1165	-

6	Evaluation of the efficiency of isolated bacterial consortium PMB11 in removal of colour, degradation and reduction of toxicity from textile dye effluent.	Biologia 70: 11-18	2015	Scopus	Springer	ISSN: 133 6-9563	1.653
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E) Paper Presentation in Conference /Seminar/ Symposia:

Year	Title of paper	Name of Conference/seminar/symposium with date	Organizer	State/Natl/International
2012-13	Phytochemical Analysis and antimicrobial activity of <i>Murrya koengii</i>	Applied Microbiology for Globe Protection [11,12/1/2013].	Yashwantrao Chavan Institute of Science, Satara	UGC sponsored National Seminar
2013-14	Evaluation of the Efficiency of Isolated Bacterial Consortium PMB11.	Advances in Biotechnology and Bioinformatics [25, 26, 27/10/ 2013].	DYPU, PUNE, ICABB	DBT sponsored International Conference
	Decolorisation & Degradation of Textile Dyes	Innovations in Energy, Polymer & Environmental Sciences [10,11,12/1/2014].	Yashwantrao Chavan Institute of Science, Satara	International Conference
	Analysis & Antimicrobial Activity of <i>Clerodendrum</i> Spp.	Herbal & Synthetic Drug Studies [10,11,12/2/2014].	ISTRA Pune	International Conference
2014-15	Study of Extra Polymeric Substances from <i>Rhizobium</i> spp.	Contemporary Research in Chemical & Life Sciences [22,23/4/2015].	SGM College Karad & Shivaji University, Kolhapur	International Conference
	Green Synthesis of Silver Nanoparticles by using plant extracts	Recent Trends in Physics [10,11/10/2014].	Yashwantrao Chavan Institute of Science, Satara	UGC sponsored National Conference
	Potential Antimicrobial Activity of <i>R. serratum</i> against <i>E. coli</i> .	Recent Trends & Future Prospects in Multidisciplinary Approaches in Microbiology, [2014].	Rajaram College Kolhapur	UGC sponsored National Conference

2015-16	Study of Antimicrobial activity of <i>Trigonella foenum-graecum</i> .	Recent Trends in Life Sciences	S M Joshi College, Hadapsar, Pune.	National Conference
	Changing trend in <i>Aloe vera</i> : Bitterness to sweetness.	National Conference on new horizons in Chemical Sciences	YCIS Satara	National Conference
2017	UV - Vis study of Serum albumin interaction with Buspirone	National Conference on Frontiers Areas in Chemical Sciences	YCIS Satara [27,28/01/2017]	National Conference
2017	Circular Dichroism Spectroscopy Study of BSA on Binding with High Concentration of Buspirone	Interdisciplinary approach in chemical research	S. M. Joshi College Hadapsar, Pune 18,19/12/2018	International Conference
2018	Fluorescence Study of Molecular Interaction between Buspirone and Bovine Serum Albumin	International Conference on Materials and Environmental Science (ICMES-2018)	SYPSC Solankur & NCK Kolhapur 7,8/12/2018	International Conference
2018	Conformational Change Study of Albumin on Binding with Chlorpromazine by Circular Dichroism Spectroscopy	International Conference on Advances in Chemical Science,	S. M. Joshi College Hadapsar, Pune 18-19/12/2018	International Conference
2019	Isolation of starch waste degrading as perijulus from soil	DBT STAR Funded National Conference on Recent Trends in Solid waste Management	YCIS Satara in association with Microbiologist Society 30 & 31/01//2019	National Conference
	Degradation of cellulose waste	DBT STAR Funded National Conference on Recent Trends in Solid waste Management	YCIS Satara in association with Microbiologist Society 30 & 31/01//2019	National Conference
	Degradation of core pit waste by aspergillus species	DBT STAR Funded National Conference on Recent Trends in Solid waste Management	YCIS Satara in association with Microbiologist Society 30 & 31/01//2019	National Conference
2020	Green technology for hydrocarbon degradation	Two days National Conference on Phage Boon in disguise 2	Abeda Inamdar Senior College of Arts Science and Commerce Pune, 2020	National Conference

	1) Comparative growth study of pesticide degradation 2) Isolation and adaptation of oil, sludge and degrading microbes	RUSA sponsored National conference on, Interdisciplinary Approaches in Life Sciences (NCIALS - 2020)	YCIS Satara 02 & 03/02/2020	National conference
	Combine effective degradation of oil sludge by three microorganisms with MSM medium	RUSA sponsored , International conference on Multi disciplinary approach and innovations in chemical Sciences 2022	YCIS Satara 25 and 26 /03/2022	International Conference
2023	Study of flower pigment extraction and its stability	Two days National Conference on innovative approaches in chemical sciences and chemquiz 2023	SGM College karad 10 and 11/02/2023	National Conference
	Spectroscopic study of bovine serum albumin with fluphenazine	Interdisciplinary approach in sciences towards green technology IASGT 2023	S. M. Joshi College Hadapsar, Pune 2023 05 and 06/2023	International Conference

F) Citation Index

	Google Scholar	Scopus	Web of Science
Citations			
h-index			
i10-index			

❖ Participation in Orientation/Refresher/FDP/Short Term/Training Programs:

Sr. No.	Name of the programme	Organizing institute	Date
1	Orientation Program	Academic Staff College, University of Pune with 'A' grade (3 rd Rank)	2008
2	Refresher Course.	Academic Staff College, University of Pune with 'A' grade	03/10/2012 to 23/10/2012
3	Refresher Course	Academic Staff College, University of Mysore with 'A' grade	03/11/2016 to 23/11/2016

4	STC Course	Academic Staff College, University of Aurangabad with 'A' grade	05/03/2018 to 10/03/2018
5	Two - week faculty development programme on "Managing online classes & co- creating MOOCS 2.0	Teaching learning centre Ramanujan College University of Delhi sponsored by Ministry of HRD under the scheme of PMMMNMTT	18/05/2020 to 03/06/2020
6	Online short term faculty development program Mathematics for Biological Sciences	Shardabai pawar mahila arts, commerce and science college, shardanagar, malegaon BK., Tal. Baramati Dist. Pune- 413115 under the scheme of PMMMNMTT by UGC – Human Resource Development Centre, Savitribai Phule Pune University.	15/06/2020 to 20/06/2020
7	Two week Faculty development programme on Advanced Concept for Developing MOOCS	Teaching learning centre Ramanujan College University of Delhi sponsored by Ministry of HRD under the scheme of PMMMNMTT	02/07/2020 to 17/07/ 2020
8	Online short term faculty development program on Nanomaterials Characterization Techniques and Results Analysis Methodology: Ideas, Innovations and Initiatives	Faculty Development Centre PMMMNMTT, UGC- Human Resource Development Centre, Savitribai Phule Pune University.	27/07/2020 to 31/07/2020
9	Two week faculty development program on Managing online classes and co-creating MOOCS 3.0	Teaching learning centre Ramanujan College University of Delhi sponsored by Ministry of HRD under the scheme of PMMMNMTT	25/07/2020 to 10/08/ 2020
10	One week faculty development program on ICT enhanced teaching learning and Creating MOOCS	Teaching learning centre Ramanujan College University of Delhi sponsored by Ministry of HRD under the scheme of PMMMNMTT	18/08/2020 to 25/08/ 2020
11	Online One Week Faculty Development Programme (FDP) UGC (Paramarsh) on "E-Content Development"	Organized by Shri Shivaji College, Parbhani	31/08/2020 to 05/09/ 2020
12	Online short term faculty development program on Research Methodology and Data Analysis	Sadguru Gadage Maharaj college Karad, Satara- 415124 under the scheme of Faculty Development Centre (PMMMNMTT), UGC- Human Resource Development Centre, Savitribai Phule Pune University.	13/09/2021 to 18/09/2021

13	RUSA sponsored 5 days faculty development program on power skills for professional development	YCIS Satara	23/08/2022 to 27/08/2022
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❖ **Participation in Conference/Seminar/Symposia/Workshop/Any other programs:**

Year	Name of Conference/seminar/symposium with date	Organizer	State/Natl/International	Type of participation
2012	International Webinar on Advances in Life Sciences(webls-2012) [21/1/2012].	Shivaji University, Kolhapur	International Seminar	Attended
2012	Sustainable Water Resource Development & Management [20,21/12/2012].	Shivaji University, Kolhapur	Ministry of Earth Science & DAE-BRNS Sponsored International Conference	Attended
2013	Patent Process [20/4/2013].	Yashwantrao Chavan Institute of Science, Satara	State	Attended
2012	Recent Trends in Microbial Fermentations [27,28/12/2012].	SGM College Karad	UGC sponsored National Seminar	Attended
2012	Mdicinal Plants: Status and Future [6,7/11/2012].	Shivaji University, Kolhapur	National Seminar	Attended
2012	Workshop on A Brain - Storming Session for Application of Technology for Sustainable Development in the State of Maharashtra [26,27/11/2012].	Maharashtra Academy of Sciences & Shivaji University Kolhapur,	Rajiv Gandhi Sciences & Technology Commission sponsored University Level	Attended
2012	Awareness Workshop on Biosafety: Regulations & Practices [5/10/2012].	University of Pune	University Level	Attended
2013	Recent Advanced Techniques in Applied Microbiology [4,5/10/2013].	Miraj Mahavidyalaya, Miraj	State level Seminar	Attended

2013	Frontiers in Chemical Education & Biological Sciences [23,24,9/2013].	Padmabhushan Dr. Vasantrao Patil Mahavidyalaya, Tasgaon.	UGC sponsored National Conference	Attended
2014	Concepts & Research in Bioinformatics [26,27,28/9/1/2014].	Yashwantrao Chavan Institute of Science, Satara	College Level Workshop	Attended
2015	Rayat vidnyan parishad	TIFR Mumbai & Rayat Shikshan Sanstha	State Level Conference	Attended
2016	One day workshop on Research Methodology	RIRD & YCIS Satara	State Level workshop	Attended
2016	Recent Advances & Applications of Life Sciences	YCIS Satara	National Conference	Attended
2019	International conference on Chemistry Environment and energy - ICCEE 2019	YCIS Satara 16 & 18 /02//2019	International Conference	Attended
2019	National Conference on Applications of forensic science for societal development	YCIS Satara 21 to 22/12/2019	State	Attended
2020	International webinar on Revisiting human rights ethics and environment during COVID -19	Teaching learning centre Ramanujan College University of Delhi sponsored by Ministry of HRD under the scheme of PMMMNMTT 06 & 07/08/2020	International webinar	Attended
2021	International E- Conference on Current Approaches in Life Sciences for sustainable development (ICCALSSD - 2021)	YCIS Satara 19 & 20/03/2021		Attended
2021	One day youth festival information workshop	Lal Bhadur Shastri college of Arts, science and commerce, Satara 13/11/2021		Attended
2023	IISER and MSFDA sponsored MS-DEED Level 1 In-person Workshop on Introduction to Innovative Pedagogies for Undergraduate Teachers	YCIS Satara in collaboration with Rayat Shikshan Sanstha, Satara. 15 to 17/02/2023	State	Attended

❖ **Resource person in Conference/Seminar/Workshop/Any other programs:**

S. No.	Title of the event	Level (Intl/Natl/State/Uni./local etc.)	Organizer	Date
1	Resource person in One day state level workshop on NET SET Exam and career guidance (Paper II life sciences)	State	YCIS Satara	16/03/2019
2	Resource person for National level one week faculty orientation workshop on Revised guidelines of NAAC	National 27/04/2022 to 02/05/2022	IQAC YCIS Satara	29/04/ 2020
3	Worked as examiner for PD3P4 poster presentation	College	YCIS Satara	25/05/2022
4	Work as examiner for science poster competition organised on the occasion of science week celebration by Research and Development Committee under Rayat Vidnyan Prakalp	College	YCIS Satara	02/03/2022
5	Work as jury member for Rangoli competition in forensic youth fest 2023	College	YCIS Satara	10/02/2023

❖ **Chaired Sessions in Conference/Seminar/Workshop etc.:**

Sr. No.	Title of the event	Level (Intl/Natl/State/Uni./local etc.)	Organizer	Date

❖ **Organization of Conference/Seminar/Workshop/Any other programs:**

Year	Name of Conference/seminar/symposium with date	Organizer Type of participation	State/Natl/International	Type of work
2012-13	Applied Microbiology for Globe Protection [11,12/1/2013].	Yashwantrao Chavan Institute of Science, Satara	UGC sponsored National Seminar	Organizing committee member
2013-14	Innovations in Energy, Polymer & Environmental Sciences [10,11,12/1/2014].	Yashwantrao Chavan Institute of Science, Satara	International Conference	Organizing committee member

2014-15	Recent Trends in Physical Education & Sports [22,23/8/2014].	Yashwantrao Chavan Institute of Science, Satara	UGC sponsored National Conference	Organizing committee member
2015-16	Industrial Technology & Innovations	YCIS Satara	International Meet	Organizing committee member
2018-19	DBT STAR Funded National Conference on Recent Trends in Solid waste Management	Department of Microbiology and Biochemistry of YCIS Satara in association with Microbiologist Society 30 & 31/01//2019	National Conference	Organizing committee member
2018-19	Worked as convener for One day state level workshop on NET SET Exam and career guidance	YCIS Satara 16/03/2019 Chairman	State	Chairman
2019-20	Student Inspire Camp under Rayat inspire project of Rayat Shikshan Sanstha	YCIS Satara 18 to 23/12/2019	State	Organizing committee member
2019-20	Dolphin Group Activity: 2019-2020 State level intercollegiate competitions in microbiology	YCIS Satara 11/01/2020	State	Organizing committee member
2019-20	RUSA sponsored International conference on Multifunctional and Hybrid Materials for Energy and Environment (MHMEE - 2020)	Department of Physics and Astrophysics of YCIS Satara 29 to 31/01/2020	International conference	Organizing committee member
2021-2022	One day workshop Government Policies and Food Safety	Lead college activity of Shivaji University Kolhapur, YCIS Satara 17/03/2022	University	Co ordinator
2022-2023	International conference on emerging trains in applied microbiology and food Sciences	YCIS Satara 02 to 03/12/2022	International conference	Chairman
2022-2023	Work as coordinator for Eat right Millet Mela and walkathon	FSSAI and Ministry of Health and Family Welfare Government of India and Rayat Shikshan Sanstha 13/04/2023	National	Co ordinator

❖ **Following programs are successfully conducted being a Coordinator of Food Technology department with shouldering all responsibilities and providing guidance.**

Date & Year	Name of Conference/ seminar/ workshop / Program	Organizer	State/ National/ International level
5/01/2022, 06/01/2022, 07/01/2022	FOSTAC Training Sponsored by RUSA and in collaboration with Entrepreneurship development cell and Institution's Innovation council	Department of Food Processing and Packaging, YCIS Satara	College
19/01/2022	Commercialization of two food products (Chicken Curry Masala and Mutton Rassa Masala)	Department of Food Processing and Packaging, YCIS Satara	College
18/02/2022	Commercialization of three food products(Mutter Paneer Mix, Paneer Gravy Masala Mix, and Paneer Butter Masala Mix)	Department of Food Processing and Packaging, YCIS Satara	College
14/03/2022	Hands on training on processing of Jam, Jelly	Department of Food Processing and Packaging, YCIS Satara	College
15/03/2022	One day hands on training on Supply Chain Management	Department of Food Processing and Packaging, YCIS Satara	College
15/03/2022	One day hands on training on Fruit and Vegetable Processing	Department of Food Processing and Packaging, YCIS Satara	College
16/03/2022	One day hands on training on Fruit and Vegetable Drying and Dehydration	Department of Food Processing and Packaging, YCIS Satara	College
17/03/2022	One day workshop on Government Policies in Food Sector under Lead College Activity Shivaji University Kolhapur	Department of Food Processing and Packaging, YCIS Satara	College
17/03/2022	Commercialization of six food products in Collaboration with Institutions Innovation Council	Department of Food Processing and Packaging, YCIS Satara	College
26/03/2022	Workshop on Career Guidance	Department of Food Processing and Packaging, YCIS Satara	College
05/05/2022	Organization of Quiz Competition	Department of Food Processing and Packaging, YCIS Satara	College

15/08/2022	Organized Eat Right Campus in Collaboration with Institute Innovation Council	Department of Food Processing and Packaging, YCIS Satara	College
27/08/2022	Organized World Food Day	Department of Food Processing and Packaging, YCIS Satara	College
7/09/2022	Workshop on Food Safety & Cake Making	Department of Food Processing and Packaging, YCIS Satara	College
2/12/2022 and 3/12/2022	International Conference on Emerging Trends in applied Microbiology & Food Science	Department of Food Processing and Packaging	International
16/02/2023 and 17/02/2023	Y.C. Science Exhibition cum Fair	Department of Food Processing and Packaging	College
15/03/2023	One Day Workshop on Consumer Right and Food Safety under Lead College Activity Shivaji University Kolhapur	Department of Food Processing and Packaging	College
29/03/2023	Workshop on Entrepreneurship Development in Collaboration with Institute Innovation Cell	Department of Food Processing and Packaging	College
6/04/2023	Extension Activity on Eat Right India Campaign	Department of Food Processing and Packaging	District
13/04/2023	Eat Right Millet Mela	Department of Food Processing and Packaging	National
20/04/2023	Basics of Cake Making and Cake Decoration	Department of Food Processing and Packaging	College
23/04/2023	Organization of Food Safety Awareness Camp	Department of Food Processing and Packaging	District
13/08/2023	Workshop on Instrumental Methods of Food Analysis	Department of Food Processing and Packaging	College
01 to 07/09/2023	Celebration of Nutrition week with different activities for UG & PG students	Department of Food Technology	College

Signature of Faculty