



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

Faculty Profile

❖ **General information**

Name : Dr. Pallavi Chandrakant Mandave
Designation : Assistant Professor
Department : Biotechnology
Educational Qualification : M.Sc., SET, Ph.D.
Date of Appointment : 17/12/2021
Teaching Experience : UG: 3 years
PG: 3 years
Research Experience : 14 years
Research Area : Plant secondary metabolites, Molecular Biology,
Preclinical studies



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

Sr. No.	College/University	Degree	Subjects	Year	Class/ Percentage
1	Maharashtra State Board of Secondary and Higher Secondary Education, Pune	SSC	Languages, Math's, Science, Social Sciences	2003	1 st class with distinction
2	Maharashtra State Board of Secondary and Higher Secondary Education, Pune	HSC	Physics, Chemistry, Biology, English, Marathi	2005	1 st class
3	Mumbai University, Mumbai	B.Sc.	Botany	2008	1 st class
4	Bharati Vidyapeeth University, Pune	M.Sc.	Biotechnology	2010	1 st class
5	Bharati Vidyapeeth University, Pune	Ph.D.	Biotechnology	2018	-
6	Pune University	SET	Life Science	2020	1 st class

❖ **Academic and Administrative Responsibilities**

Sr. No.	Position	Organization	Date/Duration
1	Incharge of Dept. of Biotechnology	Yashavantrao Chavan Institute of Science, Satara	July 2022 to July 2023
2	BOS member	Yashavantrao Chavan Institute of Science, Satara	Dec 2021 to till date
3	Chairman, Model based	Yashavantrao Chavan	June 2022 to June 2023

learning activity, Rayat Vidnyan Prkalp	Institute of Science, Satara	
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❖ **Awards/Honors/Recognitions/Scholarship etc.:**

Sr. No.	Name of the award/honor/recognition	Awarding Organization	Date and year
1	Young Researcher Award 2021	3rd National Biomedical Research Competition (NBRCOM 2021) held in All India Institute of Medical Sciences (AIIMS), Rishikesh	6th -10th Dec 2021

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

Sr. No.	Membership type (Annual/Life/any other)	Organization/Association	Date and year
1			
2			

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

Sr. No.	Name of the Journal/Book/Proceedings	ISSN/ISBN No.	Assignment (Editor/Reviewer)	Publisher	Publication year
1	Frontiers in Oncology	2234-943X	Reviewer	Frontiers	2024
2	Frontiers in Nutrition	2296-861X	Reviewer	Frontiers	2023
3	Journal of Herbal Medicine	2210-8033	Reviewer	Elsevier	2022
4.	Journal of Herbal Medicine	2210-8033	Reviewer	Elsevier	2021

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

Sr. No.	Title of Project	Duration	Amount Sanctioned (in Lakhs)	Agency	Status (Ongoing/ Completed)
Major Research Project					
1					
2					
Minor Research Project					
1	Pre and post harvest technology				
2					

❖ **Research Guidance:**

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

❖ **Details of Research Publications**

A) Patent

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

B) Books/Book Chapters

Sr. No.	Title	Publisher	Year of Publication	ISBN No	Type (Reference/Text)
1	Berries: A New Paradigm for Nutraceuticals	IntechOpen, London	2023	978-1-83769-532-4	Text

C) Datasets Submission

Sr. No.	Title	Accession No.	Data base	Year of publication
1	Fragaria x ananassa cultivar Sweet Charlie anthocyanidin reductase (ANR) mRNA, complete cds	JX271492	NCBI	22-AUG-2012

D) Research papers:

Sr. No	Title of paper	Journal/proceeding details (Name, volume, page no, year of publication etc.)	ISSN No	Listed in Scopus/Web of Science/ UGC Care	Impact factor (If any)
1	PCR-based Detection technique for Typhoidal Salmonella in Pune, India.	Korean Journal of Physiology and Pharmacology, 27(1), 140-146	1226-4512	Scopus	1.718

2	Synergistic Effect of Omega-3 fatty acids and oral-hypoglycemic drug on lipid normalization through modulation of hepatic gene expression in high fat diet with low streptozotocin-induced diabetic rats.	Nutrients 2020, 12(12), 3652	2072-6643	Scopus	6.706
3	Anticancer activities of plant secondary metabolites: Rice callus suspension culture as a new paradigm.	Rice Science, 28(1): 2-26	978-8172335045	Scopus	4.412
4	Phytochemicals in cancer treatment: From preclinical studies to clinical practice.	Frontiers in Pharmacology 10:1614	1663-9812	Scopus	5.988
5	Cloning, expression and molecular modeling of anthocyanidin reductase (FaANR) gene during strawberry fruit development.	Fruits 72(3), 139–147	9781730165269	Scopus	0.586
6	Antidiabetic, lipid normalizing and nephroprotective actions of strawberry: A potent supplementary fruit.	International Journal of Molecular Sciences, 18(1), 124	1422-0067	Scopus	5.6

7	Comprehensive evaluation of in vitro free-radical scavenging activity, total phenols and chemical profiles of two commercially important strawberry varieties.	Scientia Horticulturae, 172, 124-134	0304-4238	Scopus	4.342
8	Antiglycation, Antioxidant and Antidiabetic activity of Strawberry (Fragaria x ananassa Duch.) fruits during ripening stages.	Research Journal of Pharmaceutical, Biological and Chemical Sciences, 5(5), 194-203	09758585	Scopus	0.35
9	Antiglycation, antioxidant and antidiabetic activity of mature strawberry (Fragaria x ananassa) fruits.	International Journal of Applied Biology and Pharmaceutical Technology, 4 (4), 168-177	0976-4550	Scopus	1.7
10	Antiglycation, antioxidant and antidiabetic activity of traditional medicinal plant: Rubia cordifolia linn. for management of hyperglycemia.	International Journal of Plant Animal and Environmental Sciences, 3 (3), 42-49	2231-4490	Scopus	1.6

11	Micropropagation of strawberry cultivar Sweet Charlie through axillary shoot proliferation.	Journal of Applied Horticulture, 14(1), 71-73	0972-1045	Scopus	0.136
12	Indirect somatic embryogenesis from petiole segment in strawberry cv. Sweet Charlie.	Indian Journal of Horticulture 68(1), 24-27	09740112	Scopus	0.178

E) Paper Presentation in Conference /Seminar/ Symposia:

Sr. No	Title of paper	Name of the Conference /Seminar/ Symposia Details (Title, Date, Page No etc.)	Level (Intl/Natl/State /Uni etc.)	Organizing institute
1	Screening of active compounds from the strawberry ethanol extract : An effective inhibitor of α -amylase	International Conference on Emerging Trends in Applied Microbiology and food Sciences-2022 (ETAMFS-2022)	International	Yashavant rao Chavan Institute of Science, Satara
2	An antihyperlipidemic activity of Trimad: An Ayurvedic polyherbal formulation	3rd National Biomedical Research Competition (NBRCOM 2021)	National	All India Institute of Medical Sciences (AIIMS), Rishikesh
3	Molecular and bioinformatics analysis of a fruit specific anthocyanidin reductase gene from Strawberry	International Conference on Biotechnology and Bioinformatics (ICBB-2014)	International	Yashada Auditorium, Baner Road, Pune

4	Antioxidant activity of two different varieties i.e. Sweet Charlie and Camarosa at different ripening stages of strawberry fruit	National Conference on Biocenology For All' (NCBFA-2010)	National	North Maharashtra University, Jalgaon
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F) Citation Index

	Google Scholar	Scopus	Web of Science
Citations	1111		
h-index	11		
i10-index	12		

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

Sr No	Name of the programme	Organizing institute	Date
1	FDP for YCIS Satara on Advanced Concepts of Outcomes - based Education	InPods Ed-tech	11 th to 25 th March 2022
2	Maharashtra State Development of Educators and Enhancement in Delivery (MS-DEED) Programme on Introduction to Innovative Pedagogies for Undergraduate Teachers	Indian Institute of Science Education and Research and Maharashtra State Faculty Development Academy	15th to 17th February 2023

❖ Participation in Conference/Seminar/Symposia/Workshop/Any other programs:

Sr. No.	Name of the event	Organizing institute	Level (Intl/Natl/State/Uni/Local etc.)	Date
1	International Conference on Nano-Biotechnology (ICNB23)	Yashavantrao Chavan Institute of Science, Satara	International	17th and 18th March, 2023
2	Model Based Learning Exhibition	Yashavantrao Chavan Institute of Science, Satara	University	11th February 2023

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

Internal Quality Assurance Cell (IQAC), YCIS, Satara

S. No.	Title of the event	Level (Intl/Natl/State/Uni./local etc.)	Organizer	Date
1	Basic concept in Biology	University	Yashavantrao Chavan Institute of Science, Satara	12-10-2022
2	Life Science Past, Present and Future	University	Yashavantrao Chavan Institute of Science, Satara	11-10-2022
3	Real Time PCR and Its Applications	University	Yashavantrao Chavan Institute of Science, Satara	29-08-2022
4	Innovative Ways of Presenting Scientific data	University	Yashavantrao Chavan Institute of Science, Satara	28-03-2022
5	Clinical study and Data Management	University	Yashavantrao Chavan Institute of Science, Satara	15-03-2022
6	Research Matrices	University	Rayat Institute of Research and Development	30-06-2023
7	Methods of Data Collection	University	Rayat Institute of Research and Development	05-07-2023
8	Research Sampling Design	University	Rayat Institute of Research and Development	06-07-2023
9	Analysis of Quantitative Data	University	Rayat Institute of Research and Development	11-07-2023
10	Research Data management	University	Rayat Institute of Research and Development	10-07-2023
11	Journal Indexing and Plagiarism	University	Rayat Institute of Research and Development	04-07-2023

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

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