



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. Pradnya Bajirao Yadav
Designation : Assistant Professor
Department : Botany
Educational Qualification : M.Sc., Ph.D.
Date of Appointment : 17/12/2021
Teaching Experience : UG: 02 years
 PG: 04 years
Research Experience : 09 years
Research Area : Taxonomy, cytogenetics and phytochemistry of bulbous monocots and Western Ghats endemics.



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

Sr. No.	College/University	Degree	Subjects	Year	Class/ Percentage
1	Shivaji University, Kolhapur (MS)	Ph.D.	Botany (Angiosperm Systematics)	2019	-
2	Shivaji University, Kolhapur (MS)	M. Sc.	Botany (Cytogenetics and Plant Breeding)	2014	I (Distinction)
3	Sadguru Gadage Maharaj College, Karad	B. Sc.	Botany	2012	I

❖ **Academic and Administrative Responsibilities**

Sr. No.	Position	Organization	Date/Duration
1	Departmental Coordinator	Remedial Coaching Scheme	
2	Departmental Coordinator	Mentor mentee	
3	Incharge	Polyhouse and Shednet	
4	Member	College Research Poster Committee	

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

Sr. No.	Name of the award/honor/recognition	Awarding Organization	Date and year
1	Prof. M. S. Chennaveeraiah Prize	Society of Cytologists and Geneticists, India	2019
2	Junior Research Fellow	Department of Biotechnology, New Delhi	11/09/2014 – 11/09/2016

3	Senior Research Fellow	Department of Biotechnology, New Delhi	11/09/2016 – 31/03/2017
4	Direct Senior Research Fellow	Council of Scientific and Industrial Research (CSIR), New Delhi	02/05/2018 – 02/12/2019

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

Sr. No.	Membership type (Annual/Life/any other)	Organization/Association	Date and year
1	Life Member	Indian Association for Angiosperm Taxonomy, Calicut	2015

❖ **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	NA				

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

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

❖ **Research Guidance: NA**

- 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	NA			

B) Books/Book Chapters

Sr. No.	Title	Publisher	Year of Publication	ISBN No	Type (Reference/Text)
1	Cytogenetic Studies in Indian <i>Drimia</i> Jacq. (Urgineoideae: Hyacinthaceae).	Springer, India	2017	978-81-322-3673-3	Reference

C) Datasets Submission

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

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	Phytochemicals, antioxidants, estimation of cardiac glycoside (Scillaren A) and detection of major metabolites using LC-MS from <i>Drimia</i> species.	South African Journal of Botany. 140: 259–268. 2021	0254-6299	Scopus	3.111
2	Confirmation of an Interspecific hybrid of <i>Drimia</i> based on mitotic, stomatal and ISSR analyses.	The Nucleus. 64: 123–128. 2020	0029-568X	Scopus	4.197
3	A Cytotaxonomic revision of <i>Drimia</i> Jacq. (Hyacinthaceae: Urgineoideae) in India.	South African Journal of Botany. 123: 62–86. 2019	0254-6299	Scopus	1.792
4	Antioxidant, anti-diabetic, acetylcholinesterase inhibitory potential and estimation of alkaloids (lycorine and galanthamine) from <i>Crinum</i> species: An important source of anticancer and anti-Alzheimer drug.	Industrial Crops and Products. 125: 168–177. 2018	0926-6690	Scopus	4.54
5	Cytopalynological studies in <i>Zanonia indica</i> (Cucurbitaceae), a monotypic genus.	The Nucleus. 61: 105–109. 2018	0029-568X	Scopus	2.878

6	Cytopalynological studies in some Convolvulaceae members from northern Western Ghats, India.	Caryologia. 71: 263–271.2018	0008-7114	Scopus	1.174
7	Molecular phylogeny and genetic diversity of genus <i>Capparis</i> (Capparaceae) based on plastid DNA sequences and ISSR markers.	Plant Systematics and Evolution. 304(2): 205–217. 2018	0378-2697	Scopus	1.66
8	Typifications in <i>Drimia</i> with notes on the identity of <i>D. wightii</i> (Asparagaceae, Scilloideae).	Phytotaxa. 289(3): 256–262.2016	1179-3155	Scopus	1.24
9	Cytogenetics of two endemic <i>Barleria</i> species (Acanthaceae) from the northern Western Ghats, India.	Caryologia 69(2): 170–174. 2015	0008-7114	Scopus	1.174

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	Cytogenetical and hybridization studies in the genus <i>Drimia</i> Jacq. (Hyacinthaceae)	National Conference on New Trends in Bio-Technology & 14 th Conference of Society of Cytologists and Geneticists March 6-8, 2019	National	Department of Biotechnology and Research center, Bapuji Institute of Engineering and Technology, Davangere, Karnataka
2	Phytochemical analysis, antioxidant activity and estimation of cardiac glycoside (bufadienolide) from <i>Drimia</i> species (Hyacinthaceae)	XXVIII Annual conference of Indian Association for Angiosperm Taxonomy and International Symposium on Conservation of Angiosperm Diversity: Hidden Treasurer of Today and Tomorrow October 29-31, 2018	International	Department of Botany, The Maharaja Sayajirao University of Baroda, Vadodara, Gujrat, India

3	Systematic studies of Indian <i>Drimia</i> (Hyacinthaceae: Urgineoideae).	XXVII Annual conference of Indian Association for Angiosperm Taxonomy and International Symposium on “Plant Systematics: Priorities and Challenges, 10 th – 12 th November 2017	International	Department of Botany, University of Delhi, Delhi, India
4	On the identity of <i>Drimia wightii</i> Lakshmin. (Hyacinthaceae: Urgineoideae)	Silver Jubilee Conference of Indian Association of Angiosperm Taxonomy and Council Meeting of IAAT & International Seminar on Advancements in Angiosperm Systematics and Conservation 19 th - 21 st November, 2015.	International	Department of Botany, University of Calicut, Kerala, India
5	Karyology of <i>Dipcadi montanum</i> var. <i>madrasicum</i> (Hyacinthaceae: Ornithogaloideae)	Silver Jubilee Conference of Indian Association of Angiosperm Taxonomy and Council Meeting of IAAT & International Seminar on Advancements in Angiosperm Systematics and Conservation 19 th - 21 st November, 2015.	International	Department of Botany, University of Calicut, Kerala, India

F) Citation Index

	Google Scholar	Scopus	Web of Science
Citations	119	102	
h-index	5	5	
i10-index	3		

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

Sr. No	Name of the programme	Organizing institute	Date
1	One day workshop Entitled “Thrust areas and skills in Research”	Yashavantrao Chavan Institute of Science, Satara (Autonomous)	2 nd March 2022
2	One Day Faculty Training Programme on “Teaching Pedagogies for Effective Delivery of Science Curriculum for Life Sciences”	Yashavantrao Chavan Institute of Science, Satara (Autonomous)	16 th Feb 2022

❖ **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 Emerging trends on Plant Sciences, Biodiversity Conservation and Environment Sustainability (ETPSBCES-2022)	Department of Botany and IQAC, D. P. Bhosale College, Koregaon, District-Satara, Maharashtra, India.	International	9 th to 10 th November, 2022
2	Two day national workshop on “Plant Taxonomy: Theory and Practice”	Department of Botany, Shivaji University, Kolhapur	National	21 st to 22 nd Feb 2022.
3	Hands on Training in “Angiosperm Taxonomy”	Department of Botany, Shivaji University, Kolhapur	National	5 th to 9 th Aug 2019.
4	National Workshop on “Monocot Systematics”	Department of Botany, Shivaji University, Kolhapur	National	1 st to 6 th Jan 2019
5	National workshop on “Plant Taxonomy: Basics and Synthesis of Data”	Department of Botany, Shivaji University, Kolhapur	National	3 rd to 8 th Jul 2017.
6	One day workshop on “Regional Medicinal plants, their conservation and sustainable use”	Department of Botany, Shivaji University, Kolhapur	National	18 th Mar 2017
7	Second botanical nomenclature course organized by	Western Regional Circle, Botanical Survey of India, Pune	National	09 th to 12 th Feb 2017.
8	One day workshop on “International Day for Biodiversity Conservation”	Department of Botany, Shivaji University, Kolhapur	State	22 nd May 2016
9	One Day Seminar on “The role of students and teachers in Conservation of Biodiversity”	Department of Botany, Shivaji University, Kolhapur	National	30 th January 2016
10	One day regional seminar on “Biodiversity Conservation and	Department of Botany, Shivaji University, Kolhapur	State	24 th March 2015

	Bioprospecting”			
11	XII Conference of Society of Cytology and Geneticists and National Symposium on Challenges for biologists in 21 st Century	Department of Botany, Shivaji University, Kolhapur	National	22 nd to 24 th December 2014.

❖ **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	NA			

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

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



Signature of Faculty