



**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. Rohini Avinash Shinde  
**Designation** : Assistant Professor  
**Department** : Botany  
**Educational Qualification** : M. Sc., M. Phil., NET  
**Date of Appointment** : 10/02/2010  
**Teaching Experience** : UG: 14 years  
PG: 14 years  
**Research Experience** : 19 years  
**Research Area** : Plant Physiology and Biochemistry.



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

Sr. No.	College/University	Degree	Subjects	Year	Class/ Percentage
1	Shivaji University, Kolhapur.	Pursuing Ph. D.	Botany- Plant Physiology	2016	Ongoing
2	UGC-CSIR	NET	Life Sciences	2002	JRF
3	University of Delhi	M. Phil.	Botany	2002	Ist class with distinction
4	University of Delhi	M. Sc.	Botany- Plant Protection	2001	Ist class
5	University of Delhi	B. Sc.	Botany- Plant Protection	1999	Ist class

❖ **Academic and Administrative Responsibilities**

Sr. No.	Position	Organization	Date/Duration
1.	Member, IQAC	YCIS Satara	2017 onwards
2.	Chairman NAAC Criterion II	YCIS Satara	2017 onwards
3.	Chairman NIRF Criterion I	YCIS Satara	2019 onwards
4.	Member, Board of Studies in Botany	YCIS Satara	From June 2018 till date
5.	B. Sc. I (Class Incharge)	YCIS Satara	From June 2018 till date

6.	Editor, College Magazine	YCIS Satara	2020 onwards
7.	Faculty Development Committee	YCIS Satara	2020 onwards

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

Sr. No.	Name of the award/honor/recognition	Awarding Organization	Date and year
1	PG Faculty Recognition	Karmaveer Bhaurao Patil University, Satara	2023
2	YC Excellence Award	YCIS, Satara	2020
3	PG Faculty Recognition	Shivaji University, Kolhapur	2018

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

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

❖ **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	Proceedings of Conference	-	-	-	2021

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

Sr. No.	Title of Project	Duration	Amount Sanctioned (in Lakhs)	Agency	Status (Ongoing/Completed)
<b>Minor Research Project</b>					
1	To study the biodiversity of family Crassulaceae in Satara District and comparative ecophysiology of its members during development and under stress conditions.	Two Years	1,60,000	UGC	Completed
2	Phytochemical characterization of endemic plant of Western Ghats, <i>Kalanchoe bhidei</i> Cooke	Two years	50,000/-	Institutional Seed Money	Completed

❖ **Research Guidance:**

- Number of students (M. Sc.): Guided 08 M. Sc. students for their projects since 2018

❖ **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	Handbook of Practical Botany for B. Sc. I	Department of Botany, YCIS, Satara	2018	-	Reference

**C) Datasets Submission**

Sr. No.	Title	Accession No.	Data base	Year of publication
-	-	-	-	-

**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	Effect of abiotic and biotic elicitors on vincristine accumulation in endosperm derived in vitro cultures in <i>Catharanthus roseus</i> (L.) G. Don	Discover Plants 1:8, 2024 <a href="https://doi.org/10.1007/s44372-024-00009-y">https://doi.org/10.1007/s44372-024-00009-y</a>		Yes	
2	Taxonomy and typification of <i>Kalanchoe olivacea</i> and <i>K. bhidei</i> (Crassulaceae)	Rheedia 29(3): 197-208, 2019	0971-2313	Yes	0.32
3	Potential of drought stress in two varieties of <i>Capsicum annum</i> grown in Maharashtra	International Journal of Research in Pharmacy and Chemistry; 3 (2); 2013:303-307	2331-2781	Yes	
4	Identification of immunodominant regions of <i>Brassica juncea</i> glyoxalase I as potential anti-tumor	Peptides 2005 26(3): 395-404	1873-5169	Yes	2.8

immunomodulation targets				
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### **E) Paper Presentation in Conference /Seminar/ Symposia:**

<b>Sr. No</b>	<b>Title of paper</b>	<b>Name of the Conference /Seminar/ Symposia Details (Title, Date, Page No etc.)</b>	<b>Level (Intl/Natl/State /Uni etc.)</b>	<b>Organizing institute</b>
<b>1</b>	Effect of Zinc oxide nanoparticles prepared by green synthesis using <i>Kalanchoe pinnata</i> Pers. on the germination of <i>Sorghum</i> and <i>Vigna</i> seeds	RLSSEMP 2024	National	Shardabai Pawar Mahila College of Arts, Science and Commerce, Baramati
<b>2</b>	Seed Germination in <i>Kalanchoe</i> : an attribute related to seed coat composition	ICESLS 2023	National	Deshbhakt Anandrao Balwantrao Naik Arts and Science College, Chikhali
<b>3</b>	Determination of Phylogenetic status of <i>Kalanchoe</i> species by ITS sequencing	ICNB 2023	International	YCIS, Satara
<b>4</b>	Natural First Aid for Sports Injuries	ICRTFH 2021	International	YCIS, Satara
<b>5</b>	Ethnobotanical study to determine potential medicinal value of <i>Kalanchoe bhidei</i> T. Cooke	ICCALSSD 2021	International	YCIS, Satara

### **F) Citation Index**

	<b>Google Scholar</b>	<b>Scopus</b>	<b>Web of Science</b>
<b>Citations</b>	<b>12</b>	<b>03</b>	-
<b>h-index</b>	<b>02</b>	<b>01</b>	-
<b>i10-index</b>	-	-	-

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

Sr. No.	Name of the programme	Organizing institute	Date
1	FDP on IKS	UGC- HRDC Nagpur	31 July- 5 Aug 2023
2	MS DEED Level II	IISER Pune and MSFDA	19-30 Dec 2022
3	Innovation Ambassador Training “Advanced Level”	MoE, AICTE, IIC, MOE’s Innovation Cell	October 2022
4	Innovation Ambassador Training “Foundation Level”	MoE, AICTE, IIC, MOE’s Innovation Cell	August 2022
5	MS DEED level I Online workshop on Innovative pedagogies for Science Teachers	IISER Pune and MSFDA	11-13 Jan 2022
6	FDP on Ethics and Values in Higher Education	IoFC and MSFDA, Pachgani	13-17 Dec 2021
7	Refresher Course in Life Sciences	UGC-HRDC, Bharatidasan University, Trichy	8-21 Sept 2021
8	Online FDP on Effective ways to develop E-content for teaching Learning	KTHM, Nashik and UGC-HRDC, SPPU Pune	21-30 May 2020
9	Online FDP on Blended Learning	Gurunanak Dev Khalsa College, Delhi	18-23 May 2020
10	GIAN Programme on Deployment of Allelopathy in Sustainable Agriculture	Shivaji University, Kolhapur	27 Sept- 3 Oct 2019
11	FDP on Global Business Foundation Skills	Infosys and Shivaji University, Kolhapur	9-16 Nov 2017
12	Special Winter School	TC college Baramati and UGC-HRDC SPPU Pune	9-29 Sept 2017
13	Orientation Programme	UGC-HRDC SPPU Pune	3-30 Nov 2014

❖ **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	‘Multidisciplinary Approaches in Life Science: Research and application For	Yashavantrao Chavan Institute of Science, (Autonomous),	National Conference	5 <sup>th</sup> and 6 <sup>th</sup> January 2018.

	Sustainable Development’.	Satara.		
2	‘Recent Advances in Renewable Energy and Hygiene Devices’ (RAREHD 2018)	Yashavantrao Chavan Institute of Science, (Autonomous), Satara.	International Conference	5 <sup>th</sup> and 6 <sup>th</sup> March 2018
3	Hands on Training in Plant Taxonomy	Yashavantrao Chavan Institute of Science, Satara.	University Level	29 Dec 2018
4	Autonomous Colleges in India: The Road Ahead	RUSA and B. K. Birla College, Mumbai	National Level Workshop	Jan 2019
5	Chemistry, Environment and Energy	Yashavantrao Chavan Institute of Science, Satara.	International Conference	16-19th February 2019
6	One Day National Seminar on National Education Policy 2020.	UGC Paramarsh and YCIS Satara	District	23 Jan 2020
7	One Day Workshop on Gender Sensitization	Yashavantrao Chavan Institute of Science, Satara.	College Level	8 Feb 2020
8	Intellectual Property Right for Academia and Industry for Technology Collaboration and Transfer.	UGC Paramarsh and YCIS Satara	District	14 March 2020
9	Current Approaches in Life Sciences for Sustainable Development	Yashavantrao Chavan Institute of Science, Satara.	International E- Conference	19-20 March 2021
10	Workshop on Bloom’s Taxonomy	Yashavantrao Chavan Institute of Science, Satara.	College Level	18 <sup>th</sup> May 2021
11	Recent Trends in Fitness and Health	Yashavantrao Chavan Institute of Science, Satara.	International E- Conference	29-30 Oct 2021
12	‘International Conference on Nano-Biotechnology’	Yashavantrao Chavan Institute of Science (Autonomous),	International Conference	17 <sup>th</sup> and 18 <sup>th</sup> March 2023

(ICNB'23)	Satara.		
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❖ **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	Refresher Course on Teaching Learning Strategies:	State	KBPM, Pandharpur	Aug 19, 2024
2	FIP for Rayat Teachers	State	MSFDA and Rayat Shikshan Sanstha	Nov 19- Dec 16, 2023
3	Principal's Meet: NIRF preparation	State	Rayat Shikshan Sanstha	May 7 2023
4	FDP: MS DEED-I program	State	MSFDA and KBPM, Pandharpur	April 18, 2023
5	Workshop: Designing of attainable Learning Outcomes	College	Staff Academy, YCIS, Satara	17 April 2023
6	FDP : MS- DEED I	State	MSFDA and YCIS, Satara	Feb 15-17, 2023
7	Workshop: Assessment plan and Strategies	College	YCIS Satara	6 Jan 2023
8	Induction Programme for B. Sc. I: Career Opportunities for Women in Science	College	YCIS Satara	19 Sept 2020
9	Rayat Inspire Camp	Rayat Shikshan Sanstha	State	2-8 Jan 2020
10	Induction Programme for students: Gender Equality	College	YCIS Satara	17-20 Sept 2019
11	Chief guest at Science Exhibition	School	Chhabada Military School and Junior College, Satara	31 Dec 2018