



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

**Faculty Profile**

❖ **General information**

**Name** : Miss. Sumaiya Shahabuddin Shaikh  
**Designation** : Assistant Professor (CHB)  
**Department** : Botany  
**Educational Qualification** : M. Sc. B. Ed.  
**Date of Appointment** : 03.09.2014  
**Teaching Experience** : UG: 10 years  
PG: 07 years  
**Research Experience** : 05 years  
**Research Area** : Plant Stress Physiology, Allelopathy, Plant Pathology.



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

Sr. No.	College/University	Degree	Subjects	Year	Class/ Percentage
1	Shivaji University, Kolhapur.	Pursuing Ph. D.	Botany- Plant Physiology	2019	Ongoing
2	Azad College of Education, Satara.	B. Ed.	Science- Math's	2014	70.17%
3	Yashavantrao Chavan Institute of Science, Satara.	M. Sc.	Botany- Plant Protection	2013	71.21%
4	Yashavantrao Chavan Institute of Science, Satara.	B. Sc.	Botany- Plant Protection	2011	63.96%

❖ **Academic and Administrative Responsibilities**

Sr. No.	Position	Organization	Date/Duration
1.	B. Sc. II Plant Protection (Class Incharge)	YCIS Satara	From June 2018 to May 2019
2.	Member, Board of Studies in Botany	YCIS Satara	From June 2018 till date
3.	Internal Complaint Committee - Member	YCIS Satara	From June 2021 to 2024
4.	B. Sc. I Seed Technology (Class Incharge)	YCIS Satara	From June 2021 till date

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

Sr. No.	Name of the award/honor/recognition	Awarding Organization	Date and year
1	Mahatma Jyotiba Phule Fellowship (MJPRF-2021)	An Autonomous Institute of the Government of Maharashtra	17/01/2022 to 30/06/2024
	Junior Research Fellow (MJPRF-2021)	An Autonomous Institute of the Government of Maharashtra	17/01/2021 to 31/12/2022
	Senior Research Fellow (MJPRF-2021)	An Autonomous Institute of the Government of Maharashtra	01/01/2023 to 30/06/2024
2	First rank in poster presentation in international conference on Emerging trends on “Plant Sciences, Biodiversity Conservation and Environment Sustainability (ETPSBCES)”	D. P. Bhosale College, Koregaon (District- Satara)	2022
3	Third rank in poster presentation in International E-Conference on “Current Approaches in Life Sciences for Sustainable Development (ICCALSSD)”	Yashavantrao Chavan Institute of Science, Satara	2021

❖ **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	-	-	-	-	-

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

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

1	Effect of Physical and chemical treatment on seed germination of <i>Holoptelea integrifolia</i> (Roxb.) Planch	Two years	20,000/-	Institutional Seed Money	Completed
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❖ **Research Guidance: Nil**

- 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	Salinity stress in crops: impact on growth and productivity.	Life Sciences for Sustainable Development (Volume I: Plant Science, Biotechnology, and Food Technology). Aavishkar Publication	2022	978-81-964704-3-2	Reference
2	Ameliorative effects of Silicon on plant growth under stress conditions	Life Sciences for Sustainable Development (Volume I: Plant Science, Biotechnology, and Food Technology). Aavishkar Publication	2022	978-81-964704-3-2	Reference
3	Causes, consequences and plant response to drought stress in plants	Life Sciences for Sustainable Development (Volume I: Plant Science, Biotechnology, and Food Technology).	2022	978-81-964704-3-2	Reference

		Aavishkar Publication			
1	Insights into Abiotic Stress Tolerance in Small Millets through Transcriptomics.	Omics for climate resilience in small millets. Springer, Nature, Singapore, Pte. Ltd.	2022	ISBN 978-981-19-3906-8 P.	Reference
2	<i>Andrographis paniculata</i> (Burm. f.) Nees and <i>Bacopa monnieri</i> (L.) Pennell their traditional knowledge, chemical derivatives, and potential benefits.	Medicinal plants and their potential Health Benefits. Taylor and Francis Group, LLC, Boca Raton, USA.	2022	ISBN 9781032070360	Reference

### **C) Datasets Submission**

<b>Sr. No.</b>	<b>Title</b>	<b>Accession No.</b>	<b>Data base</b>	<b>Year of publication</b>
1	Silicon induced tolerance mechanism in finger millet under salt stress	SUB14743723	NCBI	2024

### **D) Research papers:**

<b>Sr. No</b>	<b>Title of paper</b>	<b>Journal/proceeding details (Name, volume, page no, year of publication etc.)</b>	<b>ISSN No</b>	<b>Listed in Scopus/Web of Science/ UGC Care</b>	<b>Impact factor (If any)</b>
1	Alleviating NaCl-induced salinity stress in finger millet [ <i>Eleusine coracana</i> L. (Gaertn.)] through silicon application	Journal of Crop Health. (2024) <a href="https://doi.org/10.1007/s10343-024-01018-3">https://doi.org/10.1007/s10343-024-01018-3</a>	2948-2658	Scopus	2.4

2	Evaluation of local finger millet ( <i>Eleusine coracana</i> (L.) Gaertn) landraces for salinity tolerance using growth and biochemical traits at the seedling stage.	Cereal Research Communications 1-13 (2024) <a href="https://doi.org/10.1007/s42976-024-00491-w">https://doi.org/10.1007/s42976-024-00491-w</a>	1788-9170	Scopus	1.6
3	Understanding the nutritional profile of <i>Vigna trilobata</i> : A lesser-known, underexplored grain legume.	Food and Humanity (3) 100343 (2024) <a href="https://doi.org/10.1016/j.foo hum.2024">https://doi.org/10.1016/j.foo hum.2024</a>		Scopus	
4	Silicon alleviates PEG-induced osmotic stress in finger millet by regulating membrane damage, osmolytes, and antioxidant defense.	Notulae Scientia Biologicae 14:11097, DOI: 10.15835nsb 14411097.	ISSN 2067-3264	Scopus	1

#### **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	Silicon improves growth and physiological attributes under long-term salinity stress in finger millet	Plant Omics: Recent Trends and Applications 21 <sup>st</sup> and 22 <sup>nd</sup> February 2024	National Conference	Department of Botany, Savitribai Phule Pune University, Pune.
2	Silicon alleviates salt stress in finger millet [ <i>Eleusine coracana</i> L. (Gaertn.)]	“Emerging Trends in Plant Science Research with Special Emphasis on Medicinal Plants” 14 <sup>th</sup> and 15 <sup>th</sup> March 2023	National Conference	Department of Botany, Savitribai Phule Pune University, Pune.
3	Allelopathic effects of <i>Cynodon dactylon</i> L. on germination and seedling growth of <i>Triticum aestivum</i> L.	“Emerging Trends on Plant Science, Biodiversity Conservation and Environment Sustainability (ETPSBCES)” 9 <sup>th</sup> and 10 <sup>th</sup> November 2022	International Conference	D. P Bhosale College, Koregaon, Satara (MH)
4	Nutritional composition and phytochemical analysis of local	“Frontiers in Nutrition, Medical Genomics, and Drug Discovery (Inbis’2022)” 31 <sup>st</sup> October 2022 to 2 <sup>nd</sup> November 2022	International Conference	Bioclues organization and Vignan’s University

	finger millet ( <i>Eleusine coracana</i> (L.) Gaertn.) landraces from Western Maharashtra			Vadnamudi,  Guntur, (AP)
5	Growth, membrane damage and minerals status in local landraces of finger millet ( <i>Eleusine coracana</i> (L.) Gaertn.) under salt stress	“Innovative trends in life sciences” (ITLS 2022) 11 <sup>th</sup> and 12 <sup>th</sup> March 2022	International Conference	Sadguru Gadage Maharaj College, Karad.
6	Differential response of local landraces of finger millet ( <i>Eleusine coracana</i> (L.) Gaertn.) to salinity stress in relation to growth	“Current Approaches in Life Sciences for Sustainable Development (ICCALSSD-2021)” 19 <sup>th</sup> and 20 <sup>th</sup> March 2021	International E-Conference	Yashavantrao Chavan Institute of Science, Satara. (Autonomous)
7	Study of soil pH, water holding capacity, and growth parameters of ( <i>Triticum aestivum</i> L.) from five different localities of Western Maharashtra.	“Recent Trends in Botany” 2012	National Conference	Yashavantrao Chavan Institute of Science, Satara.

### **F) Citation Index**

	Google Scholar	Scopus	Web of Science
<b>Citations</b>	<b>9</b>	<b>5</b>	-
<b>h-index</b>	<b>2</b>	<b>2</b>	-
<b>i10-index</b>	-	-	-

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

Sr No	Name of the programme	Organizing institute	Date
1	-	-	-

❖ **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' (ICNB'23)	Yashavantrao Chavan Institute of Science (Autonomous), Satara.	International Conference	17 <sup>th</sup> and 18 <sup>th</sup> March 2023
2	'Multidisciplinary Approaches in Life Science: Research and application For Sustainable Development'.	Yashavantrao Chavan Institute of Science, (Autonomous), Satara.	National Conference	5 <sup>th</sup> and 6 <sup>th</sup> January 2018.
3	'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

❖ **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	-	-	-	-

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

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



Signature of Faculty