



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

Faculty Profile

❖ **General information**

Name : Mr. Abhinav Arvind Mali
Designation : Assistant Professor (CHB)
Department : Botany
Educational Qualification : M. Sc., NET
Date of Appointment : 21/07/2014
Teaching Experience : UG: 09 years
PG: 08 years
Research Experience : 03 year
Research Area : Plant Physiology



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

Sr. No.	College/University	Degree	Subjects	Year	Class/Percentage
1	Savitribai Phule Pune University, Pune.	Pursuing Ph. D.	Botany- Plant Physiology	2022	Ongoing
2	CSIR, Pusa , New Dehli	NET-JRF	Life Science	2018	61.25 %
3	CSIR, Pusa , New Dehli	NET-LS	Life Science	2017	46.5 %
4	Tuljaram Chaturhand College, Baramati.	M. Sc.	Botany	2014	79.85 %
5	Yashavantrao Chavan Institute of Science, Satara.	B. Sc.	Botany	2012	77.08 %

❖ **Academic and Administrative Responsibilities**

Sr. No.	Position	Organization	Date/Duration
1	M. Sc. I Botany-Class Incharge	YCIS, Satara	From June 2018 till date
2	Member, NET-SET Guidance Committee	YCIS, Satara	From June 2018 till date
3	Member, College Magazine Committee	YCIS, Satara	From June 2018 till date
4	Marketing manager	Research Office, YCIS, Satara	From April 2024 till date

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

Sr. No.	Name of the award/honor/recognition	Awarding Organization	Date and year
1	Enlisted in World Scientist and University Rankings AD Scientific index ranking for scientists	World scientist and University Rankings	2023
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	First prize for research article entitled "Floristic diversity of Kaas Plateau"	Shivaji University, Kolhapur	2011

❖ **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)
Major Research Project					
1	-	-	-	-	-
Minor Research Project					
1	Study of effect of salt stress in Kodo millet (Co-PI)	One year	1.0	RUSA-Inhouse Scheme	Completed

❖ **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	-	-	-	-

B) Books/Book Chapters

Sr. No.	Title	Publisher	Year of Publication	ISBN No	Type (Reference/Text)
1.	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

2.	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
3.	Causes, consequences and plant response to drought stress in plants	Life Sciences for Sustainable Development (Volume I: Plant Science, Biotechnology, and Food Technology). Aavishkar Publication	2022	978-81-964704-3-2	Reference
4.	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
5.	<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	9781032070360	Reference

C) Datasets Submission

Sr. No.	Title	Accession No.	Data base	Year of publication
1.	Effect of drought stress on <i>Vigna aconitifolia</i>	PRJNA1151981	NCBI	2024
2.	Effect of drought stress on <i>Vigna stipulacea</i>	PRJNA1160712	NCBI	2024

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.	Enhancing salinity stress tolerance in finger millet [<i>Eleusine coracana</i> L. (Gaertn.)] through silicon supplementation: A study on seed germination, seedling growth, and antioxidant response.	Journal of Crop Health. (2024) https://doi.org/10.1007/s10343-024-01018-3	2948-2658	Scopus	2.4
2.	Allelopathic effect of two invasive weeds on growth performance of <i>Sorghum vulgare</i> Pers.	Journal of Pharmacognosy and Phytochemistry 10(3): 210-213 (2021)	2278-4136	-	-
3.	Digitization of floristic diversity of rainy shadow area of tahsil Indapur	Flora and Fauna 20 (2): 207-209. (2015)	0971-6920	-	-
4.	Biochemical Studies of <i>Cuscuta reflexa</i> Roxb. and Its Host Plants	Flora and Fauna 20 (2): 274-277 (2015)	0971-6920	-	-
5.	Allelopathic effect of two common weeds on seed germination, root-shoot length, biomass and protein content of jowar	Annals of Biological Research 5 (3):89-90. (2014)	0976-1233	-	-

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-mediated heavy metal stress mitigation in little millet.	Plant Omics: Recent Trends and Applications (2024)	National	Department of Botany, Savitribai Phule Pune University, Pune.

1	Study of effect of salt stress in foxtail millet	“Emerging Trends in Plant Science Research with Special Emphasis on Medicinal Plants” 14 and 15 March 2023	National Conference	Department of Botany, Savitribai Phule Pune University, Pune.
2	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)” (2022)	International Conference	D. P Bhosale College, Koregaon, Satara (MH)

F) Citation Index

	Google Scholar	Scopus	Web of Science
Citations	30	-	-
h-index	1	-	-
i10-index	1	-	-

❖ 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	Two Days ‘International Conference on Nano-Biotechnology’ (ICNB’23)	Y. C. I. S., Satara	National	17 th and 18 th March 2023

❖ 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