



The People's Education Society's

JAMKHED MAHAVIDYALAYA, JAMKHED

[Tal. Jamkhed, Dist. Ahilyanagar (Ahmednagar) (MS)]

Affiliated to

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

DEPARTMENT OF BOTANY

DEPARTMENT PROFILE

1. **NAME OF THE DEPARTMENT** : DEPARTMENT OF BOTANY

2. **YEAR OF ESTABLISHMENT** : 1991

The Department of Botany was initiated along with the Departments of Chemistry, Physics, Zoology and Mathematics under the Faculty of Science, that was established in the year 1991 in this college. Since then, the department faculty is actively engaged in inculcating information on all the aspects of plant life in the young minds of students of Botany. The department is furnished with well-equipped laboratory and botanical garden having a collection of about 50 plant species belonging to 34 families of plants.** The collection includes palms, threatened and endangered plants, gymnosperms, medicinal plants and plants of special botanical interest.

**** See List of Plants of Botanical Garden At The End...**

3. **COURSES OFFERED AND INTAKE CAPACITY:**

F.Y. B. Sc. Botany	: 120
S.Y.B. Sc. Botany	: 120
T.Y.B. Sc. Botany	: Not Available

4. **NAMES OF PROGRAMMES AND PATTERN:** B. Sc. Botany General (U. G. - I & II Year)

5. **FACULTY AND SUPPORTING STAFF :**

I. FACULTY

FULL TIME FACULTY				
S. N.	NAME	DESIGNATION	QUALIFICATION	EXPERIENCE
1.	Dr. S. M. Baraskar	Associate Professor	M.Sc., Ph.D.	32 Years (1992-)
2.	Dr. N. R. Salve	Associate Professor	M.Sc., SET & NET (Qual.), Ph.D.	29 Years (1995-)
CHB FACULTY				
S. N.	NAME	DESIGNATION	QUALIFICATION	EXPERIENCE
1.	Mr. S. K. Ahiwale	Assistant Professor	M.Sc., SET (Qual.)	01 Year (2023-24)
2.	Mr. S. R. Purane	Assistant Professor	M.Sc. (Botany)	02 Years (2018-20)
3.	Mr. A. B. Kadam	Assistant Professor	M.Sc. (Botany)	01 Year (2017-18)
4.	Mr. T. S. Chikane	Assistant Professor	M.Sc. (Botany)	01 Year (2015-16)

II. SUPPORT STAFF

S. N.	NAME	DESIGNATION	QUALIFICATION	EXPERIENCE
1.	Mr. S. M. Chavan	Laboratory Assistant	B.Sc.	32 Years
2.	Mr. S. D. Kale	Laboratory Attendant	S.S.C.	32 Years

6. **STUDY TOURS ORGANISED:**

The frequent study tours are organized in the vicinity areas of the city such as to the H.U Gugale Agro Biotech Co. Jamkhed for the demonstration of principles and working of plant tissue culture units and associated culture facilities. The Botanical Excursions (study tours) are being arranged at Sautada (Rameshwar), Taluka Patoda, Dist. Beed, the biodiversity rich area just few kms. From Jamkhed for collection/photocopying of plant specimens for herbarium studies.

7. **FACULTY PROFILE**

FACULTY PROFILE

(DR. N. R. SALVE)

GENERAL INFORMATION AND ACADEMIC BACKGROUND

- Name (in Block Letters):** DR. NITEEN RAMDAS SALVE
 - Father's Name:** Mr. Ramdas Bhaurao Salve
 - Mother's Name:** Late Mrs. Asha Ramdas Salve
 - Department:** BOTANY
 - Current Designation & Grade Pay:** Associate Professor (Grade Pay Rs. 9000) (Level 13 A)
 - Date of last Promotion:** 27/08/2024
 - Address for correspondence:** 'Ashagruh', Nandanwan Nagar, Behind Bandhan Lawns, Savedi, Ahmednagar 414003 Maharashtra India
- Mobile No:** 8308706025
- Email:** niteensalve@gmail.com

8. Academic Qualifications:

No.	Qualification	Year of passing	Subject	Grade obtained	University
1.	Doctor of Philosophy (Ph.D.)	2022	Botany	Awarded	SRTMU, Nanded
2.	National Eligibility Test (NET)	2007	Life Sciences	Qualifying marks	CSIR-UGC, New Delhi
3.	State Eligibility Test (SET)	2006	Life Sciences	Qualifying marks	SPPU, Pune
4.	Master of Science (M.Sc.) (Botany)	1995	Botany	Higher Second Class	University of Pune
5.	Bachelor of Science (B.Sc) (Botany)	1993	Botany	First Class with Distinction	University of Pune

9. Research Degrees:

Degree	Title	Date of award	University
Ph.D.	"A Critical Study of Medicinal Plants Used in 'Mādhava Chikitsā' Tradition and As 'Ethno-Medicine' W.R.T. Jvara, Atisāra And Pāṇḍurog-Kāmalā Chikitsā"	08/03/2022	SRTM University, Nanded

10. Appointments held prior to joining this institution: Not Applicable

Designation	Name of Employer	Date of Joining		Salary with Grade	Reason of leaving
		Joining	Leaving		
-	-	-	-	-	-

11. Posts held after appointment at this institution:

Designation	Department	Date of actual Joining		Grade
		From	To	

Assistant Professor	Botany	08/09/1995	06/11/2006	AGP 6000 (Level-11)
Assistant Professor	Botany	06/11/2006	06/11/2012	AGP 6000 (Level-11)
Assistant Professor	Botany	06/11/2012	06/11/2017	AGP 7000 (Level-11)
Assistant Professor	Botany	06/11/2017	06/11/2020	AGP 8000 (Level-12)
Assistant Professor	Botany	06/11/2020	26/08/2024	AGP 8000 (Level-12)
Associate Professor	Botany	27/08/2024	Till now	AGP 9000 (Level-13A)

12. Period of teaching experience:

P.G. Classes (in years)

Nil

U.G. Classes (in years)

29 years

13. Research Experience excluding years spent in M. Phil / Ph. D (in years): 2 years

14. Fields of Specialization under the Subject / Discipline

(a) Pharmacognosy

15. Academic / Research Activity:

Research Papers in Peer-Reviewed or UGC listed Journals

Sr. No.	Title of the paper	Inter-national/ National/ State Level	Name of the Journal with Impact Factor	ISSN (Number)	Month, year and Page Number
1.	Botanical identification of plants described in Madhava Cikitsa for the treatment of diarrhoea	Inter-national (UGC CARE Journal)	Ancient Science Of Life	Print- ISSN 0257 -7941 E- ISSN 2249-9547	Vol 35 April-June 2016; 195-200
2.	Ethnomedicines At Ahmednagar And Medicinal Plants in Madhava Cikitsa Text For the Treatment of Anaemia-Jaundice (Pandu Kamala)	Inter-national (The then UGC listed Journal)	Advances in Bioresearch	Print ISSN 0976-4585; Online ISSN 2277-1573	Vol 8 (4) July 2017; 33-44
3.	Ethnomedicinal List of Plants Treating Fever in Ahmednagar District of Maharashtra, India	Inter-national	Advances in Zoology and Botany	ISSN 2331-5083 (Print);	Vol. 7(3) Dec.

		(UGC CARE Journal)		ISSN 2331-5091 (Online)	2019: 35-46
4.	Select Phytochemicals from <i>Cocculus hirsutus</i> (L.) W. Theob. Extract Having Anti-Cancer Potential as Identified by LC-MS and in Silico Studies		Advances in Zoology and Botany	ISSN 2331-5083 (Print); ISSN 2331-5091 (Online)	Vol. 12(1) Jan. 2024; pp- 47-62

16. Research Publications other than Research Papers:

Chapters in Edited Book

No.	Title of the book and Title of chapter	Publication, Editor and Author/co-author status	Month and Year, Pages, ISSN/ISBN number
1.	Book: Biodiversity at Crossroads Chapter: Seagrass Diversity of India: Threats and Conservation	-Bharti Publications, New Delhi - Dr. Debabrata Das & Prof. (Dr. Mammen Daniel) - Single author	November 2023; pp- 40-52; 978-81-19079-96-4
2.	Book: Algal, Fungal and Microbial Research Chapter: Secondary Metabolites in Algae	- Genic Books Publisher Pvt. Ltd., Agra -M M Barwant & others - Single author	December 2023; pp-18-28; 978-81-966376-3-7
3.	Book: Algal, Fungal and Microbial Research Chapter: Algal Polysaccharides The Potential Medicines	- Genic Books Publisher Pvt. Ltd., Agra -M M Barwant & others - Single author	December 2023; pp-48-58; 978-81-966376-3-7
4.	Book: Parasitic Association Chapter: Modes of dissemination of disease-causing phyto-parasites	- Blue Rose Publishers, Delhi -Balwant Singh & others - Single author	March 2024; pp-42-58; 978-93-6261-904-4

17. Paper Presented in Seminars/ Conferences / Published in Conference Proceeding

Sr. No.	Title of the paper presented in Seminars/ Conference/full paper	Name and Venue of the Conf./ Sem. with dates with ISSN/ISBN	Type / Status
1.	Ethnomedicinal list of plants treating Fever in Ahmednagar district of Maharashtra, India	International Conference on 'Recent Advances in Traditional Medicine, Medicinal Plants and Phytochemistry' held at Ahmednagar on 8 th to 9 th February 2019	International
2.	Anti-Cancer Potential of Select Phytochemicals from <i>Cocculus hirsutus</i> (L.) W. Theob. Methanolic Extract as revealed from LC-MS And <i>In Silico</i> Studies	National conference on Bioresources 2023 at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad from 7 th to 8 th January 2023	National

3.	Botanical identification of plants from 'Bāga Prakaraṇa', a medieval literary document in Marāṭhī by Śrī Samartha Rāmadāsa	National conference on 'Innovation and Entrepreneurship: A magic bullet to industrial revolution through advancement in Biological, Chemical, Physical and Mathematical Sciences" at St. Andrews College Gorakhpur, UP from 31 st October to 1st November 2023	National
4.	Climate change impacting Forest and Natural Vegetation of Maharashtra, India: A Review	International conference on Climate change and its effects on environment, agriculture, management, health and society' held at MES's Arts, Commerce and Science college, Sonai, Newasa, Ahmednagar (MS) from 13 th to 14 th November 2024	International

18. Research Awards/ Recognition:

Sr.	Name of the Award/ Recognition	Awarded By	Dates / duration
1	Best Paper Presentation	National Conference on Current Trends in Biosciences Medicinal Plants, their Scientific Validation & Novel Applications	9 th to 10 th December 2016

19. Research Projects

Sr. No.	Title of the Project	Funding Agency	Period	Total grants sanctioned	Status
1.	"Ethnobotanical Survey of Jamkhed Tehsil of Ahmednagar district, Maharashtra and Pharmacognostic Analysis of some selected plants of potential medicinal value from the area surveyed."	BCUD, Pune University	2012 to 2014	1,50,000/-	Completed
2.	-	-	-	-	-

20. Academic Staff College Orientation / Refresher Course Attended:

Name of the Course / Summer School	Place	Duration	Grade	Sponsoring Agency

Orientation Programme in Value Education	North Maharashtra University, Jalgaon	28.03.2006 to 24.04.2006	A	UGC Academic Staff College, Pune
Refresher Course in Environmental Studies (Botany)	New Arts, Commerce and Science College, Ahmednagar	21.03.2005 to 10.04.2005	A	UGC Academic Staff College, Pune
Refresher Course in Life Science MD (Botany/ Zoolgy/ Env. Science/ Microbiology)	Dr. Babsaheb Ambedkar Marathwada University, Aurangabad	07.01.2014 to 29.01.2014	A	UGC Academic Staff College, Aurangabad
Seven Day Faculty Development Programme (FDP) in Online Mode for University and College Teachers on the theme "Gender Concerns in Education"	Centre for Women's Studies, Dibrugarh University, Assam, India	26.05.2020 to 01.06.2020	-	Dibrugarh University, Assam
Online Short-Term FDP For Teachers on New Trends in Higher Education: NEP 2020 and pedagogical transformation (Botany) of seven days duration	New Arts, Commerce and Science College, Ahmednagar	22.09.2020 to 28.09.2020	-	UGC HRDC, Pune
UGC – Sponsored Online Refresher Course in Quantum Biology (ID) (14 Days duration)	Bharathiar University, Coimbatore (Online mode)	02.02.2021 to 15.02.2021	A ⁺	UGC HRDC, Coimbatore
Two Week Refresher Course in "Managing Online Classes & Co-creating MOOCS"	Ramanujan College, University of Delhi (Online mode)	24.04.2024 to 07.05.2024	A ⁺	MMTTC (Malaviya Mission on Teachers and Teaching Program)

I certify that the information provided is correct as per my knowledge and /or documents enclosed along with the duly filled form.

Place: Jamkhed

Date: 16th December 2024

(DR. NITEEN RAMDAS SALVE)

****LIST OF PLANTS OF BOTANICAL GARDEN**

Sr. No	Name of Plant Species	Family
1.	<i>Aloe vera</i> (L.) Burm.f.	Asphodelaceae

2.	<i>Annona squamosa</i> L.	Annonaceae
3.	<i>Araucaria columnaris</i> (G.Forst.) Hook.	Araucariaceae
4.	<i>Azadirachta indica</i> A.Juss.	Meliaceae
5.	<i>Bambusa vulgaris</i> Schrad. ex J.C.Wendl.	Poaceae
6.	<i>Bauhinia variegata</i> L.	Fabaceae
7.	<i>Bougainvillea spectabilis</i> Willd.	Nyctaginaceae
8.	<i>Brahea decumbens</i> Rzed.	Arecaceae
9.	<i>Breynia androgyna</i> (L.) Chakrab. & N.P.Balacr.	Phyllanthaceae
10.	<i>Caesalpinia pulcherrima</i> (L.) Sw.	Fabaceae
11.	<i>Callistemon lanceolatus</i> (Sm.) Sweet	Myrtaceae
12.	<i>Canna indica</i> L.	Cannaceae
13.	<i>Cascabela thevetia</i> (L.) Lippold	Apocynaceae
14.	<i>Catharanthus roseus</i> (L.) G.Don	Apocynaceae
15.	<i>Chamaecostus cuspidatus</i> (Nees & Mart.) C.D.Specht & D.W.Stev.	Costaceae
16.	<i>Citronella</i> (<i>Odomos</i>)	
17.	<i>Cordiaum variegatum</i> (L.) A.Juss.	Euphorbiaceae
18.	<i>Cordyline fruticosa</i> (L.) A.Chev.	Asparagaceae
19.	<i>Crinum asiaticum</i> L.	Amaryllidaceae
20.	<i>Cupressus sempervirens</i> L.	Cupressaceae
21.	<i>Curcuma longa</i> L.	Zingiberaceae
22.	<i>Cycas revolute</i> Thunb.	Cycadaceae
23.	<i>Cymbopogon citratus</i> (DC.) Stapf	Poaceae
24.	<i>Delonix regia</i> (Bojer ex Hook.) Raf.	Fabaceae
25.	<i>Dyopsis lutescens</i> (H.Wendl.) Beentje & J.Dransf.	Arecaceae
26.	<i>Euphorbia milii</i> Des Moul.	Euphorbiaceae
27.	<i>Ficus microcarpa</i> Blume	Moraceae
28.	<i>Hamelia patens</i> Jacq.	Rubiaceae

29.	<i>Heliconia abaloi</i> G.Morales	Heliconiaceae
30.	<i>Ixora coccinea</i> L.	Rubiaceae
31.	<i>Justicia adhatoda</i> L.	Acanthaceae
32.	<i>Lagerstroemia speciosa</i> Pers.	Lythraceae
33.	<i>Lantana camara</i> L	Verbenaceae
34.	<i>Livistona mariae</i> F.Muell.	Arecaceae
35.	<i>Magnolia champaca</i> (L.) Figlar	Magnoliaceae
36.	<i>Mimusops elengi</i> L.	Sapotaceae
37.	<i>Monoon longifolium</i> Sonn. B.Xue & R.M.K.Saunders	Annonaceae
38.	<i>Murraya paniculata</i> Kaneh.	Rutaceae
39.	<i>Ocimum tenuiflorum</i> L.	Lamiaceae
40.	<i>Odontonema cuspidatum</i> (Nees) Kuntze	Acanthaceae
41.	<i>Pandanus</i> sp.	Pandanaceae
42.	<i>Plumeria rubra</i> L.	Apocynaceae
43.	<i>Psidium guajava</i> L.	Myrtaceae
44.	<i>Rosa chinensis</i> Jacq.	Rosaceae
45.	<i>Sanchezia</i> Ruiz & Pav.	Acanthaceae
46.	<i>Syzygium aromaticum</i> (L.) Merr. & L.M.Perry	Myrtaceae
47.	<i>Tabernaemontana divaricate</i> R.Br. ex Roem. & Schult.	Apocynaceae
48.	<i>Terminalia arjuna</i> (Roxb. ex-DC.) Wight & Arn.	Combretaceae
49.	<i>Tradescantia spathacea</i> Sw.	Commelinaceae
50.	<i>Vitex negundo</i> L.	Lamiaceae

LIST OF PLANT FAMILIES OF BOTANICAL GARDEN

SR. NO.	PLANT FAMILY	NUMBER OF PLANT SPECIES
1.	Acanthaceae	3
2.	Amaryllidaceae	1

3.	Annonaceae	2
4.	Apocynaceae	4
5.	Araucariaceae	1
6.	Arecaceae	3
7.	Asparagaceae	1
8.	Asphodelaceae	1
9.	Cannaceae	1
10.	Cardiopteridaceae	1
11.	Combretaceae	1
12.	Commelinaceae	1
13.	Costaceae	1
14.	Cupressaceae	1
15.	Cycadaceae	1
16.	Euphorbiaceae	2
17.	Fabaceae	3
18.	Heliconiaceae	1
19.	Lamiaceae	2
20.	Lythraceae	1
21.	Magnoliaceae	1
22.	Meliaceae	1
23.	Moraceae	1
24.	Myrtaceae	3
25.	Nyctaginaceae	1
26.	Pandanaceae	1
27.	Phyllanthaceae	1
28.	Poaceae	2
29.	Rosaceae	1
30.	Rubiaceae	2
31.	Rutaceae	1
32.	Sapotaceae	1
33.	Verbenaceae	1

34.	Zingiberaceae	1
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