

SUMMARY

I have currently working as Assistant Professor and Head department of Botany at Amdar Shashikant Shinde Mahavidyalaya, Medha, Tal. - Jawali. Dist.- Satara from 31st December, 2013. I have 12 years of research experience, which includes research in biodiversity of halophytes, taxonomy, plant physiology, mineral nutrients, phytoremediation, herbarium techniques, documentation of plants, preparation of monograph on halophytes. I also have an experience of teaching for Graduate and Post Graduate level students, organizing laboratory, conducting practical's, field tours for collection, computer operating and writing project proposal as well as reports.

OBJECTIVES

To excel in the field of teaching and research with the help of consistently improved skills and updated knowledge. As a result of my hard work I aspire to perform research in Botany especially Taxonomy of Angiosperms, halophytes, biodiversity, ecology, phytosociology, phytoremediation etc. My greatest asset is my sincerity, honesty and hardworking nature which help in tackling the challenges to a meaningful conclusion.

ATTITUDE

Always be Ahead, Positive and Systematic. Always ready to face new challenges and to enhance my knowledge by learning more in my subject area.

EXPERIENCE SUMMARY: (Starting With Recent)

- 1) Worked as Assistant Professor and Head Department of Botany Amdar Shashikant Shinde Mahavidyalay, Medha rom 31/12/2023 to till date
- 2) Worked as Worked as **Research Associate** during 18/10/2012 to 30/10/2012 in a research project entitled "Master Plan of Upper Lake Bhopal" supported by the Urban Development Authority, Bhopal,(M. P).
- 3) Worked for **Ph.D.** student at Department of Life Sciences, Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar. (from Dec. 2008 to Sept. 2012)
- 4) Worked as a **Junior Research Fellow** in Department of Life Science, Maharaja Krishnakumarsinhji University, Bhavnagar under a project "Biodiversity of Halophytes along Gujarat Coast and preparation of Monograph on Halophytes" funded by Ministry of Earth Sciences, New Delhi (from 2008 to 2012).

- 5) Worked as a **Lecturer for Post Graduate**, at Department of Life Sciences, Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar in Taxonomy, instrumentation, anatomy, ecology and biodiversity.
- 6) Worked as a **Visiting faculty for under Graduates**, at Sir S. P. Institute of Science, Bhavnagar in Taxonomy, ecology, biodiversity, anatomy.

Experience Details:

Teaching : UG. – Amdar Shashikant Shinde Mahavidyalay, Medha – 31/12/2013 to till date

Ph. D.

Title: “Biodiversity of Halophytes along Gujarat Coast part- II”

Declaration: Letter No.: No. Acad./Ph.D./2283/4320/2012 Dated 26/09/2012

Guide: Prof. A. J. Joshi

Organization: Department of Life Sciences, Maharaja Krishnakumarsinhji University, Bhavnagar – 364 002 (Gujarat).

It includes collection and identification of halophytes from various localities along lower half Gujarat coast (Amreli to Valsad, districts). It deals with study of diversity of halophytes and phytosociology as allied diversity measure. It deals with study of effect of ecological complexes such as edaphic factors (salinity, Na⁺, Cl⁻) and physiologically important heavy metals on diversity of halophytes.

EDUCATIONAL QUALIFICATION

Degree	Year of Passing	Class	Percentage (%)	Subject	Board/ University
Ph. D.	2012	--	--	Botany	Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar
M. Sc.	2007	First	63.92	Botany (Angiosperm Taxonomy)	Shivaji University, Kolhapur
B. Sc.	2005	First	67.24	Botany	Shivaji University, Kolhapur
H.S.C.	2002	Second	52.83	Physics, Chemistry, Biology.	Pune Board
S.S.C.	1999	Second	55.20	All Compulsory	Pune Board

APPOINTMENTS HELD :

Position	Title of Research Project /appointment	Duration
Amdar Shashikant Shinde Mahavidyalay Medha	Assistant Professor and Head	31 st Dec. 2013 to till date
Junior Research Fellow – Ministry of Earth Sciences, New Delhi.	Biodiversity of halophytes along Gujarat coast preparation of Monograph on halophytes	Dec. 2007 – Dec. 2011
Research Associate Urban Development Authority, Bhopal (M. P.)	Master Plan of Upper Lake Bhopal	18 Oct. 2012 to 30 Oct-2012

- **Recognized as a Research Guide for M. Phil./Ph. D. in Botany by Shivaji University Kolhapur on 20th Feb. 2021 (2 students working under the guidance)**
- **Recognized as Post-Graduate Teacher in Botany by Shivaji University Kolhapur on 20th Feb. 2021**
- **NSS Program officer – 2018 to 2023**

SKILL SETS

Techniques known:

- 1) Identification of plants, herbarium preparation, documentation etc.
- 2) Organization of field tours for collection of plant material.
- 3) Physiological analysis of plant material.
- 4) Phytosociological studies.
- 5) Substrate analysis of the different regions.

Instruments/Equipments handled:

- 1) Phase contrast microscope
- 2) Light microscope
- 3) Fluorescent microscope
- 4) Stereo microscope
- 5) Microtome
- 6) Atomic absorption spectrophotometer
- 7) TLC
- 8) EC meter
- 9) pH meter

10) GPS

11) Nikon 4500, Sony Cyber shot

Computers

- 1) Basic Computer training (MS-CIT with 84%)
- 2) Internet
- 3) Documentation
- 4) Biostatistical analysis

Research Interests

- 1) Photochemistry
- 2) Biodiversity
- 3) Taxonomy
- 4) Diversity and ecological studies of halophytes.
- 5) Phytosociology, Phytoremediation.
- 6) Morphological studies on genus *Acacia* L.

Publications:

Year	Title of the paper	Journal Name	ISSN/ISBN Number	National/ International
2014	Assessment of Spatial and Temporal Variations of Heavy Metals Levels at Bhal Region of Gulf of Khambat - India	Int. J. of Life Sciences, Vol. 2(3): 249-255	ISSN: 2320-7817 eISSN: 2320-964X	International
2015	Accumulation of Heavy metals in Marshy and Sandy Habitats From Kachchh to Diu (Saurashtra Coast) Gujarat, India	International Journal Of Scientific Research And Education Volume- 3: (4)-3290-3301	ISSN (e): 2321-7545	International
2015	Complex concept of Biodiversity	Journal of Current Science and Humanities	ISSN 2347-7784	International
2019	Floristic study of kalbhairavnath sacred grove, Bharsakale, Satara, Maharashtra.	<i>Species</i> , 2019, 20, 155-162	ISSN 2319-5746 EISSN 2319-5754	International
2019	Exploration and documentation of wild food plants from Satara district, Maharashtra (India)	International Journal of Food Science and Nutrition Volume 4; Issue 1; January 2019; Page No. 95-	ISSN: 2455-4898	International

		101		
2020	Assessment of Halophyte Species Diversity at Different Coastal Habitats along the Southwest Part of Gujarat Coast, India.	Int. J. Recent Sci. Res. 11(08), pp. 39378-39383.	ISSN: 0976-3031	International

SEMINAR / CONFERENCE / WORKSHOP ATTENDED & PARTICIPATED:

Sr. No.	Name of Seminar/ Conference/ Symposia/Workshop / shows Attended & participated	Department / Place / Date(s)
1.	XVII Annual Conference of Indian Association for Angiosperm Taxonomy and International Seminar on Changing Scenario in Angiosperm Systematics.	Department of Botany, Shivaji University, Kolhapur (M.S.), 19 th to 21 st November 2007.
2.	National Workshop On Biodiversity Assessment	Department of Applied Zoology, Mangalore University, Mangalore (Karnataka), 15 th to 17 th February 2008.
3.	National Conference on Biodiversity, Sustainable Development and Human Welfare	P. G. Department of Botany, S. S. V. P. Sanstha's L. K. Dr. P. R. Ghogrey Science College, Dhule (M. S.), 10 th to 11 th January 2009.
4.	National Seminar on Conservation of Biodiversity and ecosystem of Coastal region: in the context of Coastal birds.	Bhavnagar University, Bhavnagar. 8 th – 9 th January 2011.
5.	XXII Gujarat Science Congress	Maharaja Krishnakumarsinhji University, Bhavnagar (Gujarat), 9 th March 2008.
6.	National Conference on Basic Sciences as foundation of Applied Sciences and Technology (BSFAST 2012)	Sir P. P. Institute of Science, Bhavnagar 19 th – 20 th February 2012.
7.	National Conference on Recent Trends in Botany	Yashavantrao Chavan Institute of Science, Satara. 18 th & 19 th January 2013
8.	One day National Seminar on "Biodiversity and climate change" -	Department of Botany Shivaji University, Kolhapur. 31 st January 2015
9.	National Seminar on Recent Trends in Biodiversity and Environmental Science	Matoshri Bayabai Shripatrao Kadam Kanya Mahavidyalaya Kadegaon, Sangali. 3 rd and 4 th October 2013
10.	National Conference on Resent Trends in Plant Sciences its Future Prospects and Biodiversity Conservation	Department of Botany Y. C. I. S. Satara, 29 th and 30 th November 2013
11.	One Day Seminar on Plant Diversity Conservation	Dept. of Botany Shivaji University Kolhapur. 25 th June 2013
12.	International Conference on Innovation in Energy, Polymer and Environmental Science	Y. C. I. S. Satara, 10 th to 12 th January 2014
13.	National conference on Mangleoves of	R. P. Gogate college of Arts and science

	Konkan coast	and R. V. Joglekar College of Commerce, Ratnagiri - 2-3 February 2015
14.	International Conference on Emerging Trends in Basic And Applied Sciences	Karmaveer Hire Arts, Science, Commerce and Education College, Gargoti. - 10 th March 2015
15.	Worked as External Examiner for B.Sc. II- Practical examination in Botany, Shivaji University Kolhapur	L. B. S. College Satara, 6 th to 14 th April 2015
16.	One day Teachers workshop on Revised syllabus of Botany, B. Sc. III, Paper IX to XII	Department of Botany Ajara Mahavidyalaya Ajara, Dist - Kolhapur. 24 th August 2015
17.	One day Teachers workshop on Practical's of Botany, B. Sc. III, Paper IX to XVI	Department of Botany Y. C. I. S. Satara. 2 nd September 2015
18.	National conference on Resent Advance and Application of Taxonomy in Life Sciences	Department of Botany Y. C. I. S. Satara. 6 & 7 th October 2015
19.	International Conference on Plant Research and Resource Management	T. C. College, Baramati, Pune 11 th to 13 th Feb. 2016
20.	Worked as External Examiner for B.Sc. III- Botany Practical examination in Botany, Shivaji University Kolhapur	Y. C. College Karad April 2016
21.	Worked as External Examiner for B.Sc. II- Botany Practical examination in Botany, Shivaji University Kolhapur	Meenalben Mehta College Pachgani, Tal – Mahabaleshwar, Satara April 2016
22.	One day Teachers workshop on Revised syllabus of Botany, B. Sc. III, Paper IX to XII	Department of Botany Ajara Mahavidyalaya Ajara, Dist - Kolhapur. 24 th August 2015
23.	International Conference on Conservation and Sustainable Utilization of Biodiversity	Dept. of. Botany, Shivaji University Kolhapur
24.	One day workshop on Molecular Biology	Department of Botany Y. C. I. S. Satara.
25.	National conference on Materials and Environmental Science	Shri Y. P. Science College Solankur Kolhapur

AWARDS/ ACHIEVEMENTS:

- 1) N. C. C. 'B' Certificate with 'A' Grade
- 2) N. C. C. 'C' Certificate with 'B' Grade

MEMBERSHIPS:

- 1) Member of Current Science, C. V. Raman Avenue, Bangalore.
- 2) Member of Indian Science Congress Association.
- 3) Mangrove Society , Goa

PERSONAL PROFILE:

Sex : Male.
Date of Birth : 2nd June, 1983.
Nationality : Indian.
Marital Status : Married
Languages : read, write and speak English, Hindi Marathi and Gujarati.
Hobbies : Nature trailing, trekking, conservation of plants, photography, horse ridding.
Address :

Correspondence	Permanent
Department of Botany Amdar shashikant Shinde Mahavidyalay, Medha, Tal. – Jawali. Dist. – Satara. Pin. 415012, Maharashtra	At/Post - Majgaon, Tal - Satara, Dist - Satara. Pin - 415 518 Maharashtra

REFERENCES:

- 1) **Prof. A. J. Joshi**,
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Maharaja Krishnakumarsinhji University, BHAVNAGAR- 364 002
Mob: +91 9428994983, Email: ajjoshi2@yahoo.co.in
- 2) **Prof. S. R. Yadav**,
Department of Botany,
Shivaji University, KOLHAPUR – 416 004
Mob: +91 9421102350, Email: sryadavdu@rediffmail.com

DECLARATION

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

Date: / /20

Place:

(Dr. UDAY SIDU PAWAR)