

CURRICULUM VITAE

1. PERSONAL PROFILE:

Name : Dr.Vijaya Krishna Nikam
Father Name : Krishna
Gender : Female
Date of Birth : 18/03/1980
Marital Status : Married
Religion : Hindu
Category : Open
Conversant in : Marathi , Hindi , English
Address for Communication : 3006/3, FLAT NO. T-1,
Anubandh Residency, Vidyanagar,
Karad, Pin Code – 415 124.
Mobile No. : 9028473298
E-mail ID : vijunikam18@gmail.com, vijunikam18@sgm.edu.in
Employment Reg. No. : ----



2. EDUCATIONAL QUALIFICATION:

EXAMINATION PASSED	NAME OF INSTITUTE /BOARD	MONTH & YEAR PASSING	MARKS OBTAINED OUT OF	(%)	GRADE
S.S.C.	KOLHAPUR	MAR-1995	484/700	69.14	I
H.S.C.	KOLHAPUR	MAR-1997	306/600	51.00	II
B.Sc. (Botany)	SHIVAJI UNIVERSITY, KOLHAPUR	MAR/APR-2000	1607/2500	64.28	I
M.Sc. (Botany, Plant Physiology)	SHIVAJI UNIVERSITY, KOLHAPUR	MAR/APR-2002	1422/2400	59.25	II (B ⁺)
MS-CIT	MSBTE MUMBAI	JUNE 2003	68/100	66.00	I
Ph.D.	SHIVAJI UNIVERSITY, KOLHAPUR	NOV. 2008	-	-	-

3. EXPERIENCE:

Designation	Name of Institution / Organization	Period of Service		Experience(Years & Months)
		From	To	
Associate Professor	S.G.M. College, Karad	18/06/2019	Till...	4 Year 2 months
Assistant Professor	K.B.P. College, Pandharpur	01/09/2010	17/06/2019	8 Years 9 months

Total Teaching Experience: 12 years & 11 Months

4. BOOK PUBLISHED: 20

❖ Text Book Author - B.Sc. I (Sem. I & II) Solapur University, Solapur (2016-17)

1. Paper I: Microbiology and Phycology (Sept. 2016) ISBN:978-81-933070-4-5
2. Paper II: Biomolecules and Cell Biology (Oct. 2016) ISBN:978-81-933070-5-2
3. A Hand Book of Practical Botany (Sept. 2016) ISBN:978-81-933070-6-9
4. Paper III: Mycology and Phytopathology (Feb. 2017) ISBN:978-81-934102-2-6
5. Paper IV: Archegoniate (Mar. 2017) ISBN:978-81-934102-3-3

❖ Text Book Author - B.Sc. II (Sem. III & IV) Solapur University, Solapur (2017-18)

1. Paper V: Anatomy and Taxonomy of Angiosperms (August 2017) ISBN:978-93-86766-18-2
2. Paper VI: Plant Ecology (August 2017) ISBN:978-93-86766-20-5
3. A Hand Book of Practical Botany (Sept. 2017) ISBN:978-93-86766-21-2
4. Paper VII: Plant Physiology & Cytogenetics (Feb. 2018) ISBN:978-93-86766-48-9
5. Paper VIII: Economic Botany (Feb. 2018) ISBN:978-93-86766-50-2

❖ Text Book Author - B.Sc. I (Sem. I & II) Solapur University, Solapur (2019-20)

1. Paper I: Microbiology and Phycology (July 2019) ISBN:978-93-86766-87-8
2. Paper II: Fungi and Archigoniate (July 2019) ISBN: 978-93-86766-91-5
3. A Hand Book of Practical Botany (Sept. 2019) ISBN: 978-93-89343-00-7
4. Paper III: Plant Ecology (Dec. 2019) ISBN: 978-93-89343-11-3
5. Paper IV: Taxonomy of Angiosperms (Jan. 2020) ISBN: 978-93-89343-18-2

❖ Text Book Author - B.Sc. II (Sem. III & IV) Solapur University, Solapur (2020-2021)

1. Paper V: Plant Anatomy (Sept 2020) ISBN:978-93-89343-31-1
2. Paper VI: Plant Metabolism (Sept 2020) ISBN:978-93-89343-38-0
3. Paper VII: Plant Physiology (July 2021) ISBN:978-81-952879-6-3
4. Paper VIII: Embryology of Angiosperms (July 2021) ISBN: 978-81-952879-7-0
5. A Hand Book of Practical Botany (Oct. 2021) ISBN: 978-93-86766-21-2

5. PATENTS PUBLISHED: 01

Sr. No.	Title of the Invention	Name of the Inventor /s	Registration No. and filing date	Date of Examination/ Publication	Date of Grant of Patent
1	A system for producing vermicompost using leaf litter, vegetable residue and common weeds	Dr. Prakash Gaikwad, Dr. Mahesh Gokhale, Dr. Sanjay Jadhav, Dr. Vijaya Nikam, Dr. Poonam Panaskar, Dr. Kamlakar Patil, Miss. Sarika Patil Dr. Sunetra Patil, Dr. Sunita Toro	202023102597	12/05/2023	12/06/2023

6. AWARDS AND ACHIVEMENTS:

Department Research Fellow, Department of Botany, Shivaji University, Kolhapur during 2005-06 to 2007-08.

7. RESEARCH PAPER/ REVIEW ARTICLE PUBLISHED: 15

1. A novel biological system to demonstrate the action of plant growth retardant Maleic hydrazide. *Bioinfolet*, **2** (1): 69-70, 2005.
2. Effect of salt stress on phosphorus metabolism in a medicinal plant *Chlorophytumborivilianum* Sant. and Fernad. *Bioinfolet*, **4**(4):343-347, 2007.
3. Studies of some growth feature and mineral nutrition in a medicinal plant *Chlorophytumborivilianum* Sant. and Fernad. *Bioinfolet*, **5**(1):64-69, 2008. ISSN: 0973-1431
4. Influence of water deficit and waterlogging on the mineral status of a medicinal plant *Chlorophytumborivilianum* Sant. and Fernad. *Acta Botanica Hungarica* **51**(1-2): 105-113, 2009.
5. *Chlorophytumborivilianum* (Safedmusli): A Review. *Pharmacognosy Review* **3** (5): 143-158, 2009.
6. Changes in antioxidant status of *Chlorophytumborivilianum* under stress conditions. *Phcog J.1* (2):161-164, 2009.
7. Consequence of water deficit and waterlogging on some aspects of secondary metabolites in a medicinal plant *Chlorophytumborivilianum*. *J Medicinal Plant Research* **4**(13), 2010.
8. Status of vesicular arbuscular mycorrhizae (VAM) in vegetable plants of Solapur district. *IJAPR*, **2** (1): 13-17, 2014. **ISSN: 2347-8918**.
9. Productivity of Finger Millet: A Review. In 'Major Constraints and Verdict of Crop Productivity' Edited by Bhale U.N., Publ. Daya publication, A Division of Astral International Pvt. Ltd. New Delhi. **2015**. Pp. 636-644. **ISBN: 9789351243700** (Vol. 2), **ISBN 9789351305545 (International Edition)**.
10. Studies on antioxidant properties and inhibition of Monoamine Oxidase abilities using Ghatbor (*Ziziphus caracutta*). In Proceeding: International Conference on 'Plant research and Resource Management & 25th Jubilee Scientists Meet **2016**' pp.407-412.
11. Consequence of water stress on secondary metabolism in a medicinal plant *Chlorophytum borivilianum*. *Contemporary Research in India*, ISSN: 2231-2137. Impact Factor: 0.956. **2018**.
12. Allelopathic effects of *Azadirachta indica* and *Eucalyptus globulus* on germination of *Vigna* sp. *Parishodh Journal*, **IX**(II): 1453-57, ISSN NO: 2347-6648, 2020.

13. Effect of Different Concentrations of Vermiwash and Chemical Fertilizers on Growth, Yield and Quality of Chilli (*Capsicum annuum* L.) Var. Pusajwala. *Journal of Emerging Technologies and Innovative Research (JETIR)*, **9** (7): e721 to e729, 2022. (ISSN-2349-5162).
14. Studies on Preparation of Organic Compost and Biofertilizers from Kitchen Waste. *International Journal of Novel Research in Life Sciences*, 9 (4): 33-38, 2022, (ISSN 2394-966X).
15. Waterlogging Stress: ROS generation and its effects on plant. **Book Chapter** in '*Plant Metabolites under Environmental Stress*' Edited by N. M. Desai, M. S. Patil & U. R. Pawar; Publ. Apple Academic Press 2023. Page no. 61-72 ISBN: 978-1-00330-486-9 (e book); 978-1-77491-094-8 (Hard copy).

8. SEMINAR / CONFERENCE/ WROKSHOP PRESENTED/ATTENDED:40

1. Participation in State level Seminar '*Botany and Industry*' on 5th Feb'2003.Organized by Dept. of Botany Shivaji University, Kolhapur (MS).
2. Poster presentation in National Seminar on '*Current Trends in Medicinal Botany for Public in the Era of Biotechnology*' on 7th and 8th Oct'2004. Organized by Dept.of Botany, Sarojini Naidu Mahavidyalaya, Nampally, Hyderabad (A.P.).
3. Poster presentation in National Seminar on '*The Wetlands*' on 2nd Feb'2005. Organized by Dept. of Botany, Shivaji University, Kolhapur (MS).
4. Poster presented in Campaign on University Research and Training (COURT - 2006) on 6th and 7th Oct'2006. Organized by Shivaji University, Kolhapur (MS).
5. Poster presentation in National Symposium on '*Recent Trends in Life Sciences*' on Dec. 1st - 2nd, 2006. Organized by S.P.K. Mahavidyalaya, Sawantwadi (MS).
6. Poster presentation in National Seminar on '*Current Trends in Plant Bioresource Utilization*' on 26-27th Feb.2007.Organized by Dept. of Botany, University of Pune, Pune (MS).
7. Participation in XVII Annual Conference of Indian Association Taxonomy and International Seminar on' *Changing Scenario in Angiosperm Systematics*' on 19th – 21st Nov. 2007. Organized by Dept. of Botany Shivaji University, Kolhapur (MS).
8. Poster presentation in National Seminar on Plant Physiology on '*Physiological and Molecular Approaches for increasing Yield and Quality of Agricultural, Horticultural and Medicinal Plants under Changing Environment*' on 29-30 Nov. & 1st Dec.2007. Organized by Dr. B.S. Konkan Krishi Vidyapeeth, Dapoli (MS) and Indian Society for Plant Physiology, I.A.R.I., New Delhi.
9. Oral presentation for Young Scientist Award in National Seminar on '*Plant Physiology on Physiological and Molecular Approaches for increasing Yield and Quality of Agricultural, Horticultural and Medicinal Plants under Changing Environment*' on 29-30 Nov. & 1st Dec.2007. Organized by Dr. B.S. Konkan Krishi Vidyapeeth, Dapoli (MS) and Indian Society for Plant Physiology, I.A.R.I., New Delhi.
10. Poster presentation in National Conference on Medicinal and Aromatic Plants on '*Medicinal Plants in Health Care System*' on 10-12th Dec. 2007. Organized by Department of P.G. Studies and Research in Botany, Gulberga University, Gulberga (Karnataka).
11. Oral presentation in National Conference on Medicinal and Aromatic Plants on '*Medicinal Plants in Health Care System*' on 10-12th Dec. 2007. Organized by Department of P.G. Studies and Research in Botany, GulbergaUniversity,Gulberga (Karnataka).

12. Oral presentation in National Seminar on '*In the Role of Care – Takers of Biosphere*' on 14th – 16th Feb. 2008. Organized by Department of Botany ASC College, Vidyanagari, Baramati, Dist.-Pune (MS).
13. Poster presentation in International Seminar on '*Medicinal Plants and Herbal Products*' on 7th - 9th March 2008. Jointly organized by Botany Dept., S.V. University, Tirupati, (A.P.) and AP Medicinal and Aromatic Plants Board, Hyderabad (A.P.).
14. Oral presentation in International Seminar on '*Medicinal Plants and Herbal Products*' on 7th -9th March 2008. Jointly organized by Botany Dept., S.V. University, Tirupati (A.P.) and AP Medicinal and Aromatic Plants Board, Hyderabad (A.P.).
15. Oral presentation in the National Seminar on '*Medicinal Plants Protection and Promotion*' on 4th and 5th Oct. 2008. Organized by Modern Education Society's M.M. Arts and Science College, Sirsi, Karnataka.
16. Poster presentation in Golden Jubilee Conference on '*Challenges and Emerging Strategies for Improving Plant Productivity*', on 12-14 November, 2008. Organized by Division of Plant Physiology Indian Agricultural Research Institute, New Delhi.
17. Oral presentation in the '33rd Conference of Indian Botanical Society and International Symposium on The New Horizons of Botany' on 10th -12th Nov., 2010. Organized by Department of Botany, Shivaji University, Kolhapur (MS).
18. Poster presented in the National Conference on '*Frontiers of Plant Sciences for Sustainable Agriculture and Rural Development*' on 28th -29th Jan. 2011. Organized by Department of Botany, B.S.S.'s Arts, Science & Commerce College, Naldurg.
19. Participation in National Seminar on '*Nano Structural Materials for Advanced Technology (NS-NMAT-2011)*' on 3rd-4th Oct. 2011. Organized by Department of Physics, K.B.P. Mahavidyalaya, Pandharpur.
20. Participation in State Level Seminar on '*Application of Computer in Biological Sciences*' on 21st -22nd Dec. 2011. Organized by Department of Zoology and Botany, K.B.P. Mahavidyalaya, Pandharpur.
21. Poster presentation in the International Conference on '*Current Trends In Medicinal Plant Research*' on 10th -12th Jan. 2012 and One Day Workshop on '*Phytochemical Analysis of Therapeutically Active Constituents of Pharmaceutically Important Medicinal Plants*' on 13th Jan., 2012. Organized by Department of Botany, University of Pune, Pune (MS).
22. Oral presentation in the Two Days National Seminar on '*Recent Advances in Agricultural Botany*' entitled- Phytochemical changes during fruit ripening in (*Punica granatum* L.) varieties on 27th & 28th Sept. 2012. Organized by Department of Botany, Devchand College, Arjunnagar, Dist. – Kolhapur (MS).

23. Poster presentation in the National Seminar on entitled–‘Effect of exogenous application of PGRs on some secondary metabolites of medicinally important *Simarouba glauca* DC’ on 6th -7th Nov. 2012. Organized by Department of Botany, Shivaji University, Kolhapur (MS).
24. Poster presentation in the National Conference on ‘Recent Trends in Botany’ entitled Phytochemical analysis of medicinal plant *Momordica* species. 18th-19th Jan.2013. Organized by Department of Botany, Y.C. Institute of Science, Satara (MS).
25. Oral presentation in the Two Days National Conference on ‘ New Frontiers in Herbal Products and Herbal Medicines’ entitled-‘Cultivation Practices and Antioxidant Properties of *Hylocerus undatus*’ on 23rd-24th March 2013. Organized by P.G. Dept. of Herbal Tech., S.M.D.M.M. Kalamb, Dist. Osmanabad.
26. Oral presentation in the Two Days National Conference on ‘Life Sciences: An Outlook and Challenges’ entitled–‘Status of vesicular arbuscular mycorrhizae (VAM) in vegetable and oil yielding crop plants of Sangola region’ on 12th&13th Sept. 2014. Organized by Department of Zoology & Botany, Dahiwadi College Dahiwadi.
27. Oral presentation in the Two Days National Conference on entitled- ‘Life Sciences: An Outlook and Challenges’ Studies on antioxidant properties and inhibition of monoamine oxidase abilities using coconut water (*Cocos nucifera* L.), on 12th&13th Sept. 2014. Organized by Department of Zoology & Botany, Dahiwadi College, Dahiwadi.
28. Participated in Yuvati Sanmelan ‘Swayamsiddha’ organized by ADT Baramati. 29thNov.-1st Dec. 2014.
29. Participated in one day state Level Seminar on ‘Awareness of Women Regarding Human Rights’ organized by Dept. of Political Science, K.B.P. Mahavidyalaya, Pandharpur. 31st Dec. 2014.
30. Participated in International Conference on ‘Functional Materials @ Nanoscale: Concerns and Challenges’ organized by Dept. of Physics, Chemistry and Electronics. K.B.P. Mahavidyalaya ,Pandharpur. 9-11 Mar.,2015.
31. Paper presented in International Conference on ‘Plant research and Resource Management & 25th Jubilee Scientists Meet 2016’ entitled ‘Studies on antioxidant properties and inhibition of Monoamine Oxidase abilities using Ghatbor (*Ziziphus caracutta*)’. Organized by T.C. College, Baramati.
32. Participated in One Day Workshop on ‘The Maharashtra Public Universities Act, 2016’ organized by Solapur University Teacher’s Association (SUTA), Solapur at K.B.P. Mahavidyalaya, Pandharpur, Dist. Solapur on 12th Feb, 2017.
33. Participated in One Day Workshop on ‘New CBCS syllabus of B.Sc. I Botany’ organized by Department of Botany, Vidnyan Mahavidyalaya, Sangola on 21st Jan. 2017.

9. WORK AS RESOURCE PERSON:

- At Bharati Vidyapeeth's MBSK Kanya Mahavidyalaya, Kadegaon on 13th April 2023 topic 'Career Opportunities in Botany'.

10. MEMBER OF ORGANIZING COMMITTEE:

- Worked as member and actively participated in National Conference on 'Advances in Agriculture and technologies for future' organized by Department of Agriculture and Department of Botany, Sadguru Gadage Maharaj College, Karad, on 12th December 2022.
- Working as Chairman of Science Association committee of S. G. M. College, Karad in year 2022- 2023.
- Worked as member and actively participated in one day workshop on bonsai techniques organized by Department of Botany and Plant Protection, Sadguru Gadage Maharaj College, Karad, on 16th February 2023.

11. OTHER

ACADEMIC STAFF COLLEGE ORIENTATION/ REFRESHER COURSE ATTENDED:

Name of the Course/Summer School	Place	Duration		Sponsoring agency
		From	To	
Orientation	R.D.V. Jabalpur	15/04/2013	11/05/2013	UGC
Refresher	Dr. BAMU, Aurangabad	02/07/2014	22/07/2014	UGC
Refresher Recent Trends in Teaching Learning Technology	Solapur University, Solapur.	09/12/2018	29/12/2018	UGC-HRDC under PMMMNMTT
Refresher Managing online classes and Co-creating MOCS: 2.0	Online TLC Ramanujan College, University of Delhi	18/05/2020	03/06/2020	MHRD, PMMMNMTT
Refresher Open Source Tools for Research	Online TLC Ramanujan College, University of Delhi	08/06/2020	14/06/2020	MHRD, PMMMNMTT

RESEARCH PROJECTS

Sr. No	Title of project, year, Reference	Amount sanctioned	Funding Agency	Status
1.	Arbuscular Mycorrhizal Colonization in Some Vegetable and Oilseed Crops in Dist. Solapur (MS). File No. 47-121/12 (WRO) dated- 05/03/2013	Minor Rs.1,80,000/-	UGC	Completed
2.	Nutraceuticals of Cactus fruits. Ref. No. SGM/RUSA/MRP File No. 4 -630/2021-22	Minor Rs.1,00,000/-	RUSA	Completed

RECOGNITION

Sr.No.	Degree	Subject	University	Reference No. & Date	Type of recognition
1	PG Teacher	Botany	Shivaji University, Kolhapur	SU/PGBUTR/PGR recog /221/9/858	Permanent
2	M.Phil./ Ph.D. guide	Botany	Shivaji University, Kolhapur	SU/PGBUTR/TRRecog /10/619	Permanent

WORKING AS RESEARCH GUIDE

Sr.No.	Name of research students	Registration	University
1	Ms. MayuriSalunkhe	April 2023	Shivaji University, Kolhapur
2	Ms. MadhuriPawar	April 2023	Shivaji University, Kolhapur
3	M. MamataDarekar	April 2023	Shivaji University, Kolhapur

WORK AS SUBJECT EXPERT:

- V.C. nominee subject expert for selection of Assistant Professor at DoulatVishwast Sanstha's Y.C. Mahavidyalaya, Halkarni on 24/03/2023.

Name: Dr .Vijaya Krishna Nikam