

# **CURRICULUM VITAE**

## **Personal Information:**

- (a) Name : **Dr. Miss. Sandhya Ramdasrao Kadu**  
Mrs. Sandhya Arvind Taywade
- (b) Designation : Associate Professor
- (c) Department : Department of Botany,  
Bharatiya Mahavidyalaya,  
Amravati
- (d) Area of Specialization: Taxonomy & Pollination Ecology
- (e) Address (Residence) : 84, Padam Saurabh Colony, Shegaon Road,  
Amaravati-444 604  
Tel: 0721-2664887 Mob: 9422155608
- E-mail : [sandhyakadu7@gmail.com](mailto:sandhyakadu7@gmail.com)
- (f) Date of Birth : 07-07-1962
- (g) Nationality : Indian

## **Academic Qualification: M.Sc., M.Phil., Ph.D.**

Sr. No.	Exam Passed	University	Subjects	Year of passing	Percentage
1.	B.Sc.	Nagpur	Chem. Zoo. & Botany	1984	52%
2.	M.Sc.	Amaravati	Botany	1986	62%
3.	M.Phil.	Nagpur	Botany	1988	62%
4.	Ph.D.	Amaravati	Botany	2000	-Awarded-

## **Professional Competence:**

Orientation / Refresher Course	Duration	Place
1. Orientation Course	14/10/1996 to 07/11/1996	Amravati University (Organized by Academic

		Staff College Nagpur)
2. Refresher Course	25/06/1997 to 18/07/1997	Academic Staff College, SGBAU, Amravati
3. Refresher Course	05/06/2000 to 28/06/2000	Academic Staff College, SGBAU, Amravati
4. Refresher Course	02/06/2001 to 25/06/2001	Academic Staff College, SGBAU, Amravati
5. Short Term Course on Nanobiotechnology	15/02/2014 to 20/12/2014	Academic Staff College, SGBAU, Amravati

### Teaching Experience: 27 years (Full time)

Sr. No.	Name of College/Institute	From	To
1.	J. D. Patil Sangludkar Mahavidyalaya, Daryapur	25/11/1991	21/02/2002
2.	Bhartiya Mahavidyalaya, Amravati	22/02/2002	Till Date

### Research Experience:

Research Stage	Title of Work/Thesis	The work was carried out
<b>M. Phil.</b>	Review of Embryology in the Genus <i>Euphorbia</i> and Study of Gametophyte in <i>Euphorbia rosea</i> Retz with A Brief Discussion on the Probable Phylogeny of Embryosac.	P.G.T.D, Nagpur
<b>Ph.D.</b>	Studies on Nectaries and Nectars of Some Plants.	G.V.I.S.H., Amravati
<b>Minor</b>	Studies on Nectaries and Nectars of Some	Bhartiya

<b>Research Project</b>	Lepidopteran Flowers of Amravati District	Mahavidyalaya & G.V.I.S.H., Amravati
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### Papers Published:

1. Studies on Nectar Chemistry of Some Acanthaceae. J. Adv. Sci. & Tech., 6(1&2): 90-95, 2003.
2. Studies on Floral Nectaries & Nectars of Some Fabales. Geobios, 32(1): 65-68, 2005.
3. Nectar Characteristic of Some Butterfly Visiting Flowers. Journal of Phytological Research, 20(1): 7-10, 2007.
4. Floral Nectaries & Nectar Characteristics of Some Monocots. Geobios, 38(1): 61-66, 2011.
5. Nutritional and Phytochemical Profile of *Bombax ceiba* L. Flowers- A Wild Edible. International Journal of Recent Scientific Research, 7(10), 13823-25, 2016.
6. Wild Edible Plant of Vidarbha: Nutritive Values of *Chlorophytum tuberosum*. International Journal of Applied Research, 2016.
7. Preliminary photochemical screening and antibacterial activity of *Peucedanum nagpurnse* Prain. Research Journey, Special Issue 110 (E)- Botany ISSN: 2348-7143, PP.21-26, February-2019.
8. Protine profile in Floral Nectar of *Gmelina philippensis*. Intrnational Journal of Creative Research Thoughts. A-302 2019.

### Book Published:

1. A Text Book of Botany for B.Sc.-II Semester-III. Pachkhede A. U., **Kadu S. R.**, Sahare N. H., Hande D. V., Koche D. K. & Bobade M. B. Nabh Prakashan, Amravati. ISBN No. 978-81-905776-250-6; 2014-15.

### Papers Presented in Symposia / Conference / Seminars:

1. “Kinds of amino acids present in floral nectar of some plants”. National Conference on Recent Trends in Botany held at Amravati University Amravati during 6-8 Dec, 1993.
2. “Types of sugars detected in nectars of some plants”. National Conference on Recent Trends in Botany held at Amravati University Amravati during 6-8 Dec, 1993.
3. “Role of Indian culture in biodiversity conservation”. National Conference on Biodiversity & Environment: Problems & Solutions held at Nagpur during 4-5 Jan, 2008.
4. “Ethnomedicinal plants in Melghat, Amravati District: Need for conservation”. National Seminar on Recent Innovations in Herbal Drugs held at Warud on 24/01/2009.
5. “Studies on nectar secretion of some Verbenaceae flowers”. International Symposium on the New Horizons of Botany held at Kolhapur during 10-12 November, 2010.
6. Ethnomedicinal uses of *Achyranthes aspera* L. XXI Annual Conference of IAAT held at CSIR, Bhubneswar during 2-4 December, 2011.
7. Nectary structure & nectar characteristics of *Boswellia serrata* Roxb. International Symposium & XXII IAAT Conference held at Dept of Botany, SGBAU, Amravati during 28-30 October, 2012.
8. Nutritional status of seeds of *Bauhinia vahlii* Wight & Arn. of Melghat an ethnic liana. National Conference on Advances in Life Sciences: Present &

Future held at Vidya Bharati Mahavidyalaya, Amravati during 11-12 January, 2013.

9. Wild edible plants of Vidarbha region: A promising nutritional source. XXIII Conference of IAAT & National Seminar held at Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur during 7-29, December, 2013.
10. MMed Pdb: Melghat Medicinal Plant Data Bank. XXIV Conference of IAAT & International Conference on Trends in Plant Systematics held at Bhartidasan University, Tiruchirappalli, Tamilnadu during 31 October to 2 November, 2014.
11. Mycorrhizal association with *Piper* species from Anjangaon Surji, Amravati (M.S.) India. Second International Conference on Interdisciplinary Approach in Science and Technology (ICIAST) held at Rotunda Gardens, Colombo, Sri Lanka during 25-28 May, 2018.
12. Preliminary photochemical screening and antibacterial activity of *Peucedanum nagpurnse* Prain. Research Journey, February-2019.
13. Protine profile in Floral Nectar of *Gmelina philippensis* . National Conference on Recent Trends and Advances in Fresh water biodiversity held at N.E.S. Science College Nanded. 25 Sept 2018.

#### **D. Research Projects (Minor):**

<b>Title of the Project</b>	<b>Name of the Funding Agency</b>	<b>Duration</b>	<b>Remarks</b>
“Studies on Nectaries & Nectars of Some Lepidopteran	<b>U.G.C.</b>	December 2005 to	Completed (18/02/2009)

Flowers of Amravati District.”		December 2007	
“Extrafloral Nectary: Architecture in Some Dicotyledonous Families	<b>U.G.C.</b> F:47- 785/13(WRO)	26 <sup>th</sup> March, 2014	Ongoing

#### **E. Seminar, Conference, Symposia, Workshops etc. Attended:**

<b>S. N.</b>	<b>Name of the Conference/Symposia</b>	<b>Place</b>	<b>Date</b>
<b>1</b>	Conference on Recent Trends in Botany	Amravati	6 <sup>th</sup> -8 <sup>th</sup> Dec, 1993
<b>2</b>	SGBAU Mahila Pradhapak Parishad	Murtizapur	3 <sup>rd</sup> Jan, 2003
<b>3</b>	UGC Sponsored National Conference on Ethnobotany, Biodiversity & Conservation	Akola	18 <sup>th</sup> -19 <sup>th</sup> Jan, 2003
<b>4</b>	SGBAU Mahila Pradhapak Parishad	Walgaon	3 <sup>rd</sup> Jan, 2004
<b>5</b>	State Level Seminar on Human Rights in the Context of Atrocities on Women	Amravati	9 <sup>th</sup> Jan, 2004
<b>6</b>	UGC Sponsored 6 <sup>th</sup> DGS National Conference on Rural Tourism, Environment & Development	Amravati	2 <sup>nd</sup> Oct, 2005
<b>7</b>	International Conference on Modern Trends in Plant Sciences with Special Reference to the Role of Biodiversity in Conservation	Amravati	17 <sup>th</sup> -20 <sup>th</sup> Feb, 2005
<b>8</b>	Mahila Sakshamikaran Karyashala	Amravati	7 <sup>th</sup> Jan 2006
<b>9</b>	Silver Jubilee Symposium on Ethnobotany in the New Millenium	Lucknow	12 <sup>th</sup> -14 <sup>th</sup> Jan, 2006
<b>10</b>	XVI <sup>th</sup> Annual Conference of IAAT & International Seminar on Present Trends & Future Prospects of Angiosperm Taxonomy	ARI, Pune	4 <sup>th</sup> -6 <sup>th</sup> Oct, 2006
<b>11</b>	National Conference on Modern Approaches & Innovations in Biotechnology & Biodiversity Conservation	Amravati	28 <sup>th</sup> -30 <sup>th</sup> Jan, 2007
<b>12</b>	UGC Sponsored National Seminar on Bio- Physics	Daryapur	19 <sup>th</sup> Feb, 2007

<b>13</b>	UGC Sponsored National Conference on Biodiversity and Environment: Problems & Solutions	Nagpur	4 <sup>th</sup> -5 <sup>th</sup> Jan, 2008
<b>14</b>	SGBAU Mahila Pradhyapak Parishad	Morshi	3 <sup>rd</sup> Jan, 2008
<b>15</b>	UGC Sponsored National Seminar on Recent Innovations in Herbal Drugs	Warud	24 <sup>th</sup> Jan, 2009
<b>16</b>	XXXII All India Botanical Conference & International Symposium on Diversity of Plants & Microbes: Present Scenario	Shivmoga (Karnataka)	28 <sup>th</sup> -30 <sup>th</sup> Dec, 2009
<b>17</b>	UGC Sponsored National Conference on Climate Change & Its Consequences	Amravati	12 <sup>th</sup> -13 <sup>th</sup> Jan, 2010
<b>18</b>	National Conference on Trends in Plants Sciences: Today & Tomorrow	Akot	22 <sup>th</sup> - 23 <sup>th</sup> Feb, 2010
<b>19</b>	XI International Conference of International Organization of Plant Biosystematics	Aurangabad	2 <sup>nd</sup> -4 <sup>th</sup> Sept, 2010
<b>20</b>	One Day Seminar on Prof. Amartya Sen yanche Arthik Vichar	Amravati	26 <sup>th</sup> Oct, 2010
<b>21</b>	XXXIII All India Conference & International Symposium on the New Horizons of Botany	Kolhapur	10 <sup>th</sup> -12 <sup>th</sup> Nov, 2010
<b>22</b>	Annual Conference of IAAT & Internal Symposium on Taxonomy, Plant Diversity & Conservation	Coimbatore (Tamilnadu)	26 <sup>th</sup> -28 <sup>th</sup> Nov, 2010
<b>23</b>	National Conference on Recent Advances in Environmental Biology & Biodiversity	Karanja Lad	3 <sup>rd</sup> -4 <sup>th</sup> Feb, 2011
<b>24</b>	One day Workshop on “ Quality Parameters in Institutional Reaccrediation”	B. M. V. Amravati	14 <sup>th</sup> September 2011
<b>25</b>	One Week Computer Training Workshop	Sakal Madhurang-an and B. M. V. Amravati	19 <sup>th</sup> -24 <sup>th</sup> September 2011
<b>26</b>	UGC sponsored National Seminar on Status of Biodiversity In India	Badnera	10 <sup>th</sup> -11 <sup>th</sup> December 2011

<b>27</b>	UGC sponsored One Day Interdisciplinary National Seminar on Impact of Foreign Direct Investment In Retail Sector	B. M. V. Amravati	6 <sup>th</sup> January 2012
<b>28</b>	UGC sponsored National Seminar on “ Recent Trends in Plant Biotechnology”	Warud	28 <sup>th</sup> January 2012
<b>29</b>	Seminar on Eco Diversity and its management	SGBAU Amravati	29 <sup>th</sup> February 2012
<b>30</b>	UGC sponsored One Day Regional Workshop on Identification of Grasses	Karanja Lad	1 <sup>st</sup> September 2012
<b>31</b>	National Conference on Mycodiversity with its Sustainable Exploration & Biotechnological Applications & 38 <sup>th</sup> Annual Meeting of Mycological Society of India	Shri Shivaji Science College & SGBAU	6 <sup>th</sup> -7 <sup>th</sup> February 2012
<b>32</b>	National Conference on Innovative Research Trends in Biological Sciences	Dept. of Life Sciences, Shri Shivaji Science College, Amravati	8-9 September, 2012
<b>33</b>	Workshop on DNA Isolation, Estimation & Electrophoresis	Vidya Bharati Mahavidyalaya, Amravati	30 <sup>th</sup> March, 2013
<b>34</b>	26 <sup>th</sup> Maharashtra Pakshimitra Sammelan, Amravati	WECS, Amravati	13 <sup>th</sup> January, 2013
<b>35</b>	Two Days National Workshop on PCR, RFLP & PRIMER Designing	Shri Shivaji Science College, Amravati	22-23 February, 2014
<b>36</b>	Prospective Research Areas in Plant Taxonomy & Ethnobiology in the Next Ten Years	BSI, Dehradun	1 <sup>st</sup> August, 2014
<b>37</b>	Tao of Excellence – Chakka Jam Theory	Dnyansagar	2 <sup>nd</sup> January,



		Institute of Management & Research (DIMR), Pune	2016
<b>38</b>	22 <sup>nd</sup> Vidarbha Paryavarn Parishad, Amravati	Prabhat Education Society, Amravati	22-24 January, 2016
<b>39</b>	World Women Conference	Vidarbha Youth Welfare Society, Amravati	11 <sup>th</sup> February, 2016
<b>40</b>	National Conference on Advances & Innovation in Plant Sciences	Dept. of Botany, GVISH, Amravati	29 <sup>th</sup> February to 1 <sup>st</sup> March, 2016
<b>41</b>	U.G.C. Sponsored National Conference on Recent Trends in Conservation of Biodiversity	SSSKR Innani Mahavidyalaya, Karanja Lad	12 <sup>th</sup> March, 2016
<b>42</b>	One Day Workshop on Techniques in Molecular Biology	Vidya Bharati Mahavidyalaya, Amravati	16 <sup>th</sup> April, 2016
<b>43</b>	Silver Jubilee National Conference on Plant Diversity: Past & Present	Dept. of Botany, SGBAU, Amravati	30-31 December, 2016
<b>44</b>	Workshop on Sexual Harassment of Women at Workplace (Prevention, Prohibition & Redressal) Act 2013	Bhartiya Mahavidyalaya, Amravati	27 <sup>th</sup> February, 2017



### **G. Innovations / Contribution on Teaching:**

- (a) **Teaching methods:** Use of Internet for browsing Botany, related on line sites. Use of Transparencies & LCD with power point presentations while teaching.
- (b) **Remedial Teaching:** For academically poor students
- (c) **Any Other:** Regular field visits and students are taken for Botanical excursion

### **H. Extension Work / Community Service:**

- (i) Community work such as Distribution of Cloths in Vrudhasharam.
- (ii) Life Member of Amravati Garden Club. Actively Participated in activities of Garden Club, Amravati.
- (iii) Life Member of Wild Life and Nature Conservation Society, Amravati Actively participated in activities of W.N.C.S.
- (iv) Indian Women Scientist Association, Mumbai (Amravati Chapter)

### **Consultancy Work:**

- 1. Ex-Situ Conservation of Medicinal Plants.
- 2. Supply of Medicinal Plant Species for Cultivation in Various Colleges.

### **Conference Organized:**

UGC Sponsored National Conference on “Climate Change & Its Consequences, during 12-13 January, 2010 by Dept. of Botany & Zoology, Bhartiya Mahavidyalaya, Amravati.

### **Felicitation: -**

Felicitated by Indian Botanical Society for Contribution of Research work in Taxonomy at the occasion of XXXIII All India Conference & International Symposium on the New Horizons of Botany organized by Shivaji University, Kolhapur on 10<sup>th</sup> - 12<sup>th</sup> November 2010.

### **I. Participation in Corporate Life:**

**(a) Enrichment of Campus Life:** Participated in the Development of  
Medico-Botanical Garden in the College.

#### **(b) Membership / Participation in Bodies / Institutional Committees**

- i) Admission Committee
- ii) Cultural Programme Committee
- iii) Timetable Committee
- iv) Examination Committee
- v) Research Promotion Cell
- vi) Medico Botanical Garden Committee
- vii) Library Improvement Committee

### **J. Membership of Professional Bodies, Journals, Societies etc.:**

- 1. Life member of NUTA.
- 2. Life Member of Amravati Garden Club.
- 3. Life Member of Wild life and Environment Conservation Society.
- 4. Life member of Indian Association for Angiosperm Taxonomy.
- 5. Life member of Indian Botanical Society.
- 6. Life member of SGB Amravati University Botany Teachers Association
- 7. Life Member of Indian Women Scientist Association, Mumbai (Amravati Chapter)
- 8. Life Member of Indian Science Congress Association.

9. Annual Member of Phytological Research.

#### **K. Important Visits:**

1. Silent Valley National Park, Kerala on 28/11/2010.
2. Botanical Survey of India, Coimbatore on 29/11/2010.
3. Visit to Sri Lanka 25-28/05/2018.

International Conference at Rotunda Garden, Colombo.

#### **L. Other Activity:**

1. Worked as a life member in different activities conducted by Wild Life & Environment Conservation Society, Amravati.
2. Amravati Garden Club: - Actively Participated as a life member, in Organization of Flower Show conducted by Garden Club Amravati.
3. Participated as a organizing committee member in All India Rose Convention organized by Amravati Garden Club.
4. Participated in Tree Plantation & Blood Donation Camp organized by NSS Bharatiya Mahavidyalaya, Amravati.

**Sincerely yours**

Place: Amravati.

Date:

**(Dr. S. R. Kadu)**

