

## Teacher's Profile



### 1. PERSONAL DETAILS

1. Name: Dr. (Smt.) Kalyani Babasaheb Pawar
2. Address for correspondence: Department of Botany, Shivaji University,  
Kolhapur-416004  
  
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Sah. Gruh Nirman Sanstha, Takala, Kolhapur-416008
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4. Email: [kbp\\_botany@unishivaji.ac.in](mailto:kbp_botany@unishivaji.ac.in)
5. Gender: Female
6. Date of Birth: 27/01/1972
7. Category: Person With Disability (Orthopedically)
8. Nationality: Indian
9. Qualification: M.Sc., M. Phil, Ph.D.

10. Designation: Assistant Professor  
Department of Botany,  
Shivaji University, Kolhapur

## 2. ACADEMIC DETAILS

Sr. No.	Examination passed	Board/University	Year of passing	Class/Division	Marks obtained
1.	SSC	Pune Board	March 1987	Distinction	82.14%
2.	HSC	Pune Board	March 1989	First Class	67.83%
3.	B.Sc.	Shivaji University, Kolhapur	April 1992	First Class	68.40%
4.	M.Sc.	Shivaji University, Kolhapur	April 1994	First Class	61.83
5.	M.Phil	Shivaji University, Kolhapur	December 1998	A Grade	-
6.	Ph.D.	Shivaji University, Kolhapur	February 2006	-	-

- **Title of M. Phi. Dissertation:** Seed germination studies in some crop species with Special references to allelopathic effects
- **Title of Ph.D. Thesis:** Seed germination studies in *Sorghum bicolor* (L.) Moench with special reference to allelopathic effects.
- **Research Specialization:** Plant Physiology- Allelopathy
- **Fellowship/ Post-Doctoral**
  - Departmental Research Fellowship awarded by Shivaji University, Kolhapur from year 2002-2004

3. **TEACHING EXPERIENCE** PG- 2+12 years

## 4. RESEARCH GUIDANCE

- Ph.D. Working -03 Awarded-01
- M. Phil. Working- Nil Awarded- 01

➤ **Ph.D. Awarded**

Sr. No.	Name of the Student	Category	Title of the Thesis	Date of Registration	Date of Declaration
1	Miss. Jyoti Anand Havale	Open	Evaluation of Allelopathic Potential of <i>Terminalia catappa</i> to Control Selected Weeds	1 <sup>st</sup> January, 2016	20 <sup>th</sup> October, 2022

➤ **Ph.D. Working Students**

Sr. No.	Name of the Student	Category	Title of the Thesis	Date of Registration	Remark-
1	Mrs. Rohini Avinash Shinde	Open	Comparative study of Growth and Propagation in <i>Kalanchoe pinnata</i> and <i>K.bhidei</i>	1 <sup>st</sup> January, 2016	Work in progress
2	Miss. Neha Sandeep Matade	OBC	Studies on Phytoremediation of heavy metals using selected plant species	1 <sup>st</sup> July, 2019	Work in progress
3	Miss. Someshwari Chndrashekhar Nalawade	OBC	Studies on Physicochemical properties and Mycoflora of saline and non-saline soils from Kolhapur District	1 <sup>st</sup> July, 2019	Work in progress

➤ **M. Phil. Awarded**

Sr. No.	Name of the Student	Category	Title of the Thesis	Date of Registration	Date of Declaration
1	Miss. Snehal T. Kamble	SC	Biocontrol of <i>Alternanthera tenella</i> by using petal leachates	8 <sup>th</sup> October, 2015	5 <sup>th</sup> April, 2019

- **Research publications:** National and International- 13 Proceedings- 01  
**Research publications**

Sr. No.	Name of the Authors	Title of the research article, journal , page no. and year	ISSN No., National /international & Impact Factor
1	K.B. Pawar and P.D. Chavan	Influence of leaf leachates of plant species on mineral nutrition of <i>Sorghum bicolor</i> (L.) Moench <i>Allelopathy Journal</i> <b>6</b> (1): 87-92 (1999)	PRINT ISSN:0971-4693/94 ON LINE ISSUE:0973-5946 Impact factor-(SCI) (SCOPUS)
2	K.B. Pawar and P.D. Chavan	Influence of leaf leachates of some plant species on free proline content in germinating seeds of <i>Sorghum bicolor</i> (L.) Moench <i>Allelopathy Journal</i> <b>13</b> (2): 89-92 (2004)	PRINT ISSN:0971-4693/94 ON LINE ISSUE:0973-5946 Impact factor-(SCI) (SCOPUS)
3	K.B. Pawar and P.D. Chavan	Influence of leaf leachates of soybean, <i>Moringa</i> , <i>Parthenium</i> and <i>Eucalyptus</i> on carbohydrate metabolism in germinating seeds of <i>Sorghum bicolor</i> (L.) Moench <i>Allelopathy Journal</i> <b>19</b> (2): 543-548 (2007)	PRINT ISSN:0971-4693/94 ON LINE ISSUE:0973-5946 Impact factor-(SCI) (SCOPUS)
4	Pawar K.B. and Rawal A.V.	Influence of petal leachate of <i>Delonix regia</i> (Boj Ex Hook) Raf. on germination and seedling growth of Chickpea <i>International Journal of Current Research</i> <b>6</b> (06):0983-0988 (2014)	ISSN:0975-833X Scientific Journal Impact Factor-5.349
5	Rawal A.V. and Pawar K.B.	Mineral content of Chickpea under the influence of petal leachates of <i>Delonix regia</i> (Boj Ex Hook) Raf. <i>International Journal of Current Research</i> <b>7</b> (05):15980-15985 (2015)	ISSN:0975-833X Scientific Journal Impact Factor-5.349
6	K.B. Pawar and A.V. Rawal	Allelopathic potential of bract leachates of <i>Bougainvillea spectabilis</i> against <i>Cosmos bipinnatus</i> and <i>Ipomoea marginata</i> <i>Tunisian Journal of Plant Protection</i> <b>11</b> (1): 13-23 (2016)	E ISSN: 2490-4368 P ISSN: 1737-5436 Impact Factor-0.841

7	Rawal A.V. and Pawar K.B.	Evaluation of allelopathic potential of <i>Delonix regia</i> against germination physiology of Mung bean seedlings <i>International Journal of Current Research</i> <b>9</b> (06): 52401-52406 (2017)	ISSN:0975-833X Scientific Journal Impact Factor-7.617
8	S.T. Kamble and K.B. Pawar	Phytosociological analysis of <i>Alternanthera tenella</i> from agricultural fields of Asurle, District Kolhapur <i>International Journal of Researches in Biosciences, Agriculture and Technology</i> 5(3): 220-224 (2017)	ISSN 2347 – 517X
9	S.T. Kamble and K.B. Pawar	Characterization of petal leachates of <i>Gliricidia sepium</i> (Jacq.) Kunth ex Walp for its herbicidal potential <i>Allelopathy Journal</i> 44(1): 49-60 (2018)	PRINT ISSN:0971-4693/94 ON LINE ISSUE:0973-5946 Impact factor-1.050 (SCI) (SCOPUS)
10	Gaikwad S.V., Nikam V.K. and Pawar K.B.	Allelopathic effects of <i>Azadirachta indica</i> and <i>Eucalyptus globulus</i> on germination of <i>Vigna</i> sp. <i>Parishodh Journal IX (II)</i> : 1453-1457 (2020)	ISSN NO:2347-6648
11	S.T. Kamble and K.B. Pawar	Allelopathic potential of petal leachates of <i>Cassia fistula</i> L. against an invasive weed <i>Alternanthera tenella</i> L. <i>Allelopathy Journal</i> 49 (2): 165-176 (2020)	PRINT ISSN:0971-4693/94 ON LINE ISSUE:0973-5946 Impact factor-1.050 (SCI) (SCOPUS)
12	J. A. Havale and K.B. Pawar	Assessment of reproductive capacity of <i>Parthenium hysterophorus</i> and its growth performance under the phytotoxic effect of <i>T. catappa</i> <i>International Journal of Botany Studies</i> 7 (2): 275-283 (2022)	ISSN: 2455-541X
13	J.A. Havale and K.B. Pawar	Allelopathic effect of leaf leachates of <i>Terminalia catappa</i> against <i>Senna tora</i> <i>Bioinfolet</i> 19 (1): 72-76 (2022)	PRINT ISSN: 0973-1431 ONLINE ISSN: 0976-4755

### Research publications in Proceedings

Sr. No.	Name of the Authors (All)	Title of the research article, name of proceeding, conference, page no. year etc.	National /international
1	K.B. Pawar and S.T. Kamble	Evaluation of leaf leachates of <i>Terminalia catappa</i> L. against an invasive weed <i>Alternanthera tenella</i> Colla Proceedings and Abstract, The Third International Conference of Asian Allelopathy Society, Fuzhou, China Page No. 146-158 2015	International

Sr. No.	Total Publications	International	National	Google Scholar			SCOPUS	RG Score	Average Impact Factor
				H index	Total Citations	i 10 index			
1	13	08	05	04	50	03	17	25.8	0.85

- **Conferences attended National & International -**

Conferences Attended	National	International
Presented	09	08

- **National**

1. Participated and presented a paper entitled, 'Influence of leaf leachates of some plant species on phosphorus metabolism in germinating seeds of *Sorghum bicolor* (L.) Moench' in National Seminar on Role of Plant Physiology For Sustaining Quality of Food Production in Relation to Environment held at University of Agricultural Sciences, Dharwad, from December 5-7, 2001
2. Participated and presented a paper entitled, 'Influence of leaf leachate of *Eucalyptus globulus* Labill on some metabolic aspects of germinating seeds of *Sorghum bicolor* (L.) Moench' in National Seminar on Physiological Interventions for Improved Crop Productivity and Quality: Opportunities and Constraints held at S.V. Agricultural College, Tirupati from December 12-14, 2003
3. Participated and presented a paper (poster) entitled, 'Allelopathic potential of the fallen leaves of a roadside tree, *Terminalia catappa* L.' in a State Level Seminar on Botany and Industry held at Department of Botany, Shivaji University, Kolhapur on 21<sup>st</sup> February 2004

4. Participated and presented a paper entitled, 'Study of allelopathic potential of leaf leachate of *Moringa oleifera* Lamk. with respect to *Sorghum* seed germination' in Golden Jubilee Conference on Challenges and Emerging Strategies for Improving Plant Productivity held at IARI, New Delhi from November 12-14, 2008
5. Participated and presented a paper entitled, 'Study of allelopathic potential of *Delonix regia* (Boj Ex. Hook) Raf. in National Conference on Integrated Pest Management and Bioremediation held at Department of Botany & Agriculture Department, Z.P. Satara, Lal Bahadur Shastri Mahavidyalaya, Satara from August, 13-14, 2012
6. Participated and presented a paper entitled, 'Influence of leaf leachates of plant species on seed germination of *Asteracantha longifolia* (L.) Nees. in National Seminar on Medicinal plants: Status and Future held at Department of Botany, Shivaji University, Kolhapur from November, 6-7, 2012.
7. Participated and presented a paper entitled, 'Mineral content of Chickpea under the influence of petal leachate of *Delonix regia* (Box ex Hook) Raf. in XII conference of Society of Cytologists and Geneticists and National Symposium on Challenges for Biologists in 21<sup>st</sup> Century organized by Department of Botany, Shivaji University, Kolhapur from December, 22-24, 2014.
8. Participated and presented a paper entitled, 'Evaluation of allelopathic potential of *Tectona grandis* in National Conference on Multidisciplinary Approaches in Life Science: Research and Application for Sustainable Development NCMALS-2018, organized by Yashavantrao Chavan Institute of Science, Satara, from 5<sup>th</sup> -6<sup>th</sup> January, 2018
9. Participated and presented a paper entitled 'Comparative study of reproductive capacity, germination and seedling growth of *Senna tora* and *Senna uniflora* in National Conference on Mangrove and Coastal Resources organized by Department of Botany, Shivaji University, Kolhapur in association with Mangrove Society of India, Goa and Mangrove Foundation, Mumbai on 12<sup>th</sup> April, 2019
10. Participated and presented a paper in National Conference of Plant Physiology (NCP-2021) on Frontiers of Plant Physiology for Climate Smart Agriculture held from 9-11 December, 2021

- **International**

1. Participated and presented a paper entitled, 'Influence of leachates of some plant species on mineral nutrition of *Sorghum bicolor* (L.) Moench ' in III International Congress, Allelopathy in Ecological Agriculture and Forestry held at University of Agricultural Sciences, Dharwad, from August 18-21, 1998
2. Participated and presented a paper entitled, ' Studies of physiological basis of allelopathic potential of neem (*Melia azedarach* L.)' in World Neem Conference, NEEM 2002, held at Taj Lands End, Mumbai from November, 27-30, 2002
3. Participated and presented a paper entitled, ' Study of allelopathic influence of Parthenium leaf leachates on seed germination of crop plants' in International Conference on Parthenium Management held at University of Agricultural Sciences, Bangalore from December 5-7, 2005
4. Participated and presented a paper entitled 'Influence of leaf leachates of tree species on germination physiology of *Sorghum bicolor* (L.) Moench in Second International

Conference on Allelopathy (under the aegis of Asian Allelopathy Society) Allelopathy : A Multi- faceted Process held at Department of Botany, Punjab University, Chandigarh from December, 14-18, 2012

5. Participated and presented a paper entitled ‘ Study of allelopathic potential of *Bougainvillea spectabilis* Wild’ in First Africa- International Allelopathy Congress: Allelopathy Looking Ahead held at Higher Institute of Agronomy, Chott Meriem., Sousse – TUNISIA Sousse-Tunisia from February,6-9, 2014
6. Participated and presented a paper entitled ‘Evaluation of leaf leachates of *Terminalia catappa* L. against an invasive weed *Alternanthera tenella* Colla in The Third International Conference of Asian Allelopathy Society, Fuzhou, China, October 30- November 2, 2015
7. Participated and presented a paper entitled ‘Phytosociological studies and biocontrol of *Alternanthera tenella* in XXVI Annual Conference of Indian Association for Angiosperm Taxonomy and International Seminar on Conservation and Sustainable Utilization of Biodiversity Department of Botany, Shivaji University, Kolhapur from 7<sup>th</sup> -9<sup>th</sup> November,2016
8. Participated and presented a paper entitled ‘Study of growth performance of *Senna uniflora* under the influence of *Terminalia catappa*’ in 1<sup>st</sup> International Conference on Materials and Environmental Science (ICMES-2018) organized by Shri. Yashwantrao Patil Science College, Solankur and The New College, Kolhapur from 7<sup>th</sup> -8<sup>th</sup> December, 2018.

- **Seminars/ Conferences (without paper presentation)**

- Participated in one day Seminar on Plant Diversity Conservation organized by Department of Botany, Shivaji University, Kolhapur on 25<sup>th</sup> June, 2013
- Participated in International Conference on Biosciences with special reference to Environmental Issues (ICBEI-2013) organized by Department of Zoology, Shivaji University, Kolhapur from December 19-21,2013.
- Participated in One Day National Seminar on ‘Biodiversity and Climate Change’ organized by Department of Botany, Shivaji University, Kolhapur on 31<sup>st</sup> January, 2015
- Participated in One Day Regional Seminar on ‘Biodiversity Conservation and Bioprospecting’ Department of Botany, Shivaji University, Kolhapur on 24<sup>th</sup> March, 2015
- Participated in one day Seminar on Biodiversity and Coastal Resources organized by Department of Botany, Shivaji University, Kolhapur at ICAR’s Regional Fruit Research Centre Vengurla, Sindhudurg District on 4<sup>th</sup> March, 2017

- **Countries visited- 2-Sousse-Tunisia (Africa) (2014), Fuzhou- China (2015)**

- **Research project work**

- **Research projects- Completed and Ongoing**



Sr. No.	PI	Title	Funding Agency	Duration	Amount in lakhs	Remarks
1	Dr. (Smt.) Pawar Kalyani Babasaheb	Eradication of Invasive weeds by the application of leachates of <i>Delonix regia</i>	Shivaji University, Kolhapur Under Research Strengthening Scheme 2018-2019	For two years 2018-2019 to 2019-2020	Rs. 2,48,000	Completed
2	Dr. (Smt.) Pawar Kalyani Babasaheb	Evaluation of phytoremediation potential of selected plant species against toxicity of heavy metals.	Shivaji University, Kolhapur Under Research Strengthening Scheme 2023-2024	Sanctioned for two years since 19 <sup>th</sup> July, 2023	Rs. 2,50,000	Sanctioned for the years 2023-2024 to 2024-2025

**5. REFRESHER COURSE/ORIENTATION PROGRAMME/ SHORT TERM TRAINING PROGRAMMES / WORKSHOPS**

Sr. No.	Name of Teacher	Name of the Course/ Summer School	Place	Duration	Sponsoring Agency
1	Dr. K.B. Pawar	the General Orientation Programme conducted at the UGC-Academic Staff College, University of Pune, Pune	UGC-Academic Staff College, University of Pune, Pune	1 <sup>st</sup> March to 28 <sup>th</sup> March, 2012	UGC
2	Dr. K.B. Pawar	Refresher Course in the Subject of Life Sciences (Botany)	UGC-HRDC, University of Mysore, Mysore	22 <sup>nd</sup> January to 11 <sup>th</sup> February, 2016	UGC
3	Dr. K.B. Pawar	GIAN Programme On Evolutionary Morphology of Land Plants	Shivaji University, Kolhapur	18 <sup>th</sup> to 25 <sup>th</sup> August, 2016	Ministry of Human Resources Government of India
4	Dr. K.B. Pawar	Refresher Course in Life Science	UGC-HTDC Goa	28 <sup>th</sup> September to	UGC

		(Inter Disciplinary)	University, Goa	18 <sup>th</sup> October, 2018	
5	Dr. K.B. Pawar	E-SHORT TERM COURSE (TEACHING, LEARNING AND EVALUATION IN BOTANY	-	12 <sup>th</sup> May to 17 <sup>th</sup> May, 2020	Sahyadri Botanical Society, Kolhapur and Doodhsakhar Mahavidyalaya
6	Dr. K.B. Pawar	Hands on Training in Cytology and Tissue Culture under UGC STRIDE Program	Department of Botany, Shivaji University, Kolhapur	8 <sup>th</sup> to 12 <sup>th</sup> April, 2022	UGC STRIDE Programme

- Participated in the Orientation programme on ‘Innovative Teaching techniques and Professional Development of University Teachers’ organized by Department of Education, Shivaji University, Kolhapur from 13<sup>th</sup>-14<sup>th</sup> December, 2011.
- Participated in Two-day Workshop on “Research Writings, Ethics, Plagiarism and Publishability” organized by Internal Quality Assurance Cell (IQAC), Shivaji University, Kolhapur held on 26<sup>th</sup> and 27<sup>th</sup> July, 2012
- Has participated in Orientation Programme on Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 organized by Equal Opportunity Cell & Internal Complaints Committee of Shivaji University on 7<sup>th</sup> March, 2014
- Participated in one day workshop on ‘Outcome Based Modular Syllabus’ organized by Internal Quality Assurance Cell (IQAC), Shivaji University, Kolhapur on 6<sup>th</sup> August, 2014
- Participated in three days training programme on ‘ Identification of RET Mangrove species’ organized by Department of Botany, Shivaji University, Kolhapur from July, 22-24, 2014
- Participated in one day Workshop on ‘Garden & Science’ jointly organized Gardens Club-Kolhapur with Social Forestry-Karveer Taluka, Shivaji University-Kolhapur and Indian Women Scientists Association-Kolhapur on 3<sup>rd</sup> March, 2016
- Participated in one day Workshop on Maharashtra Public University Act 2016 organized by Shivaji University Post Graduate Teachers Association (SUPTA), Kolhapur on 6<sup>th</sup> January, 2017
- Participated in one day Workshop for University Teachers and College Librarians on ‘E-Resource Access and Introduction to API’ organized by Barr. Balasaheb Khardekar Library, (Knowledge Resource Center), Shivaji University, Kolhapur on 9<sup>th</sup> August, 2017
- Participated in one day State Level Workshop on ‘Inculcating Value System in Students: Pedagogical Practices in Higher Education’ organized by Department of

- Education & NAAC Cell, Shivaji University, Kolhapur and Bahai Academy, Panchagani on 2<sup>nd</sup> January, 2018
- Participated in the Orientation and Awareness Programme on Rights of Persons with Disabilities Act 2016 organized by UGC Scheme for Persons with Disabilities, Resource Centre for Inclusive Education, Centre for study of Social Exclusion & Inclusive Policy, Shivaji University, Kolhapur on 4<sup>th</sup> January, 2019.

## **6. ADMINISTRATIVE WORK DONE**

- Worked as Chairman of Internal Examination for M.Sc. I at Departmental level (2013-2015 and August 2017)
- Worked as Chairman of Practical Examination for M.Sc. I and II from March, 2020.
- Worked as Coordinator Avishkar at Departmental level (2014, 2015)
- Working as Coordinator for Beti Bachao Abhiyan (for Botany Department) since 2019.
- Working as a member of D.R.C. committee of Department of Botany since 2019.
- In charge of Academic Calendar of Department since 2013.
- In charge of Counseling and Mentoring scheme for M.Sc. students (2014-2022)
- Worked as member of Function organizing and Display committee, Store committee, Examination, Seminar and Essay competition committee, Information committee, Laboratory and Museum Maintenance committee, Visiting Scientist committee, Computer and Writing Lab committee, Internal Examination (2013-2015-2017-till date) and as Chairman of Function organizing and Display committee (2015-2017) and Information committee at Departmental level and Seminar and Essay competition committee (2017 till date)
- Conducted Viva-Voce in connection with M.Sc. T&D in Botany (21<sup>st</sup> April, 2017)
- Worked as Teacher in Charge for NAAC Criterion II for Department of Botany during the year 2018-2021.
- Worked as Teacher in Charge for Psychometric test conducted for Botany M.Sc. part I students on 15<sup>th</sup> February, 2019.
- Worked as a member of Committee for UGC Scheme for Person with Disabilities in Shivaji University, Kolhapur since December, 2018
- Worked as a member of Local Inspection Committee for Raje Ramrao Mahavidyalaya, Jath on 5<sup>th</sup> February, 2019 and 5<sup>th</sup> March, 2020 and Rajaram college, Kolhapur on 23<sup>rd</sup> May, 2023
- Working as member of Board of Studies of Botany as subject expert from outside the parent University, in MES, Abasaheb Garware College, Pune-4 since March, 2022
- Worked as a representative for Persons With Disability of Selection committee at Shri Dudhsakhar Shikshan Prasarak Mandal, Bidri on 28<sup>th</sup> March, 2023; at Vishwasrao Naik Arts and Commerce and Baba Naik Science College, Shirala on 11<sup>th</sup> to 14<sup>th</sup>, 16<sup>th</sup>, 17<sup>th</sup>, 20<sup>th</sup>, 21<sup>st</sup> to 24<sup>th</sup>, 27<sup>th</sup> March and 1<sup>st</sup> April, 2023; at M.H. Shinde Mahavidyalaya,

Tisangi on 12<sup>th</sup> and 13<sup>th</sup> April, 2023 and at Vijaysinh Yadav College Peth Vadgaon on 24<sup>th</sup> and 25<sup>th</sup> August, 2023

- Worked as coordinator for GIAN program on Deployment of Allelopathy in Sustainable Agriculture organized by Department of Botany, Shivaji University, Kolhapur from 27<sup>th</sup> September to 3<sup>rd</sup> October, 2019