

## FORMAT OF BIODATA

### **Dr. Pratima Kadam**

118 Asmita, 4 Nrisinha Hsg Society,  
Shitole Nagar, Old Sangavi, Pune-27



**Designation:** Asst. Professor

**Educational Qualification:** MSc, PhD

**Teaching Experience:** 11 years

*Guiding Students:* Guided M.Sc. (Botany) students in their project work

Sr. No.	Year	Name of the student(s)	Title of the project work
1	2006-07	Ms. Bhayashri B. Admuthé	Influence of Na <sub>2</sub> SO <sub>4</sub> salinity on germination, seedling growth and mineral nutrition of groundnut variety SB-X1
2	2006-07	Ms. Smita A. Gaikwad	Influence of NaCl salinity on germination, seedling growth and mineral nutrition of groundnut variety JL 24
3	2008-09	Ms. Shraddha S. Kshirsagar	Periodical analysis of Pawana river water
4	2008-09	Ms. Swati D. Jagtap	Effect of effluents on the stomatal density of the plants growing on the banks of river Pawana
5	2009-10	Mr. Atul V. Bansode	Seasonal variation in photosynthetic pigments of some Bryophytes
6	2009-10	Ms. Vasundhara V. Gavade	Physiological studies in Preridophytes of Lohgad area
7	2010-11	Ms. Vidyulata Shinde	Germination studies of ground nut under saline conditions
8	2012-13	Ms. Jyotsna Ms. Chaya Lokhande	Germination studies of ground nut under NaCl salinity Germination studies of ground nut under Na <sub>2</sub> SO <sub>4</sub> salinity

**Classes Taught:** FYBSc, SYBSc, TYBSc, MSc

### **Faculty development programmes (Orientation/ Refresher/ Short term courses):**

- 1) Orientation program 10-04-2009 to 07-05-2009
- 2) Refresher Course 01-10-2015 to 21-10-2015
- 3) Refresher course 02-02-2011 to 22-02-2011
- 4) Short term course – Teaching and research process in science education  
04-04-2016 to 11-04-2016

**Research Area:** Physiology, Mycology and Environmental Biology

**Research Projects:** Analysis of Mineral element constituents from the Bryophytes of Malavali-Lonavala area (BCUD) 2009-2011 Minor Research Project

**Research Articles published In Journals:**

1. P. S. Kadam (2017), "Phytochemical screening and antibacterial activity of Bryophytes", *International Journal of Life Sciences*, pp. 1-4, Vol. 5, Issue 3, Feb, ISSN: 2320-7817, Publ.: IJLSCI Publications, Amravati
2. P. S. Kadam (2017), "Influence of NaCl Crotalaria Species", *Emerging Trends in Basic and Applied Sciences (GSBAS Conference, Kathmandu, Nepal)*, May 17-20, 2017
3. P. S. Kadam (2016), "Antimicrobial activity and polyphenol content of some bryophytes from Lonavala", *Asian Journal of Multidisciplinary Studies*, pp. 103-105, Vol. 4, Issue 3, Feb, ISSN: 2321-8819, IF: 1.498, Publ.: M. L. Jamdade, Shingad Rd., Pune 411 051
4. P. S. Kadam (2015), "Carotenoids and Polyphenols from the Bryophytes of Malavli area", *International Journal of Latest Technology in Engineering, Management & Applied Science (IJTEMAS)*, Vol. 4, Issue 7, pp. 66-68, Jul, ISSN: 2278-2540, IF: 3.475
5. P. S. Kadam (2014), "Influence of NaCl Salinity on the polyphenol content of groundnut variety JL-24", *Proceedings of the National Conference on Advances in Life Sciences, Pune*, pp. 151-153, Vol. 4, Issue 7, 20-21 Dec, ISBN: 978-81-926340-3-6, Mamasahab Mohol College, Erandwane, Pune
6. P. S. Kadam (2014), "Influence of NaCl salinity on the germination and seedling growth of groundnut variety JL-24", *Proceedings of the National Conference on Advances in Plant Sciences for Sustainable Rural Development, Pune*, pp. 361-364, 23-24 Sep, ISBN: 978-1634157070, C.T. Bora College Shirur, Pune
7. P. S. Kadam (2013), "Effect of NaCl salinity on the activity of Glycolate oxidase in the levels of Crotalaria species", *International Journal of Multidisciplinary Research*, pp. 65-67, Vol. 1, Issue 12(3), Mar, ISSN: 2277-9302, Jai Hind Education Society, Wadgaon Sheri, Pune 14
8. R. P. Sonwalkar, Y. R. Ahire, P. S. Kadam (2012), "Lagenaria Siceraria as a Natural Mosquito Repellent", *Variorum Multi-Disciplinary e-Research Journal*, Vol. 3, Issue 1, pp. 1-6, Aug, ISSN: 976-9714
9. P. S. Kadam (2012), "Effect of sewage and waste water on the stomatal density of a select few plants growing on the banks of Mula river", *Proceedings of State Level Seminar on Recent Innovative trends in Plants Sciences*, pp. 208-212 ISBN: 978-81-924995-1-2, Sep, Dept. of Botany, Mahatma Phule A.S.C. College, Panvel
10. P. S. Kadam (2010), "Effect of NaCl salinity on stomatal density and stomatal behaviour of Crotalaria L. species", *Bionano Frontier – An International Journal of Science and Technology*, Vol. 3, Issue 2, Jul-Dec, pp. 300-303, ISSN 0974-0678, Intl. Society of Science & Technology, Mumbai, IF:4.856
11. P. S. Kadam (2009), "Effect of NaCl salinity on Proline content in 120 hrs old seedlings of some Crotalaria species", *Bionano Frontier Journal of Science and Technology*, Vol. 2, Issue 2, pp. 56-57, ISSN 0974-0678
12. P. S. Kadam (2009), "Salinity induced changes on peroxidase activities of Crotalaria sp.", *Recent trends in Life sciences*, Annasaheb Magar College, Pune
13. P. R. Wadkar, et al. (1991), "Influence of sodium chloride salinity on mineral budget of Crotalaria juncea L.", *Proceedings of Modern trends in Botany*, Pune University (India)
14. P. R. Wadkar (1988), "Germination of Crotalaria L. species under saline conditions", *Proceedings of the 75th session of the Indian Science Congress*, Pune (India)

15. P. R. Wadkar, et al. (1987), "Influence of Sodium Chloride salinity on micronutrient status in *Crotalaria juncea* L.", *Proceedings of national symposium on micronutrient stresses in crop plants: Physiological and Genetic approach to control them*, Mahatma Phule Agricultural University, Rahuri (India)
16. P. R. Wadkar (1987), "Effect of NaCl on nitrate reductase activity in *Crotalaria* L. species", *Proceedings of the 74th session of the Indian Science Congress*, Bangalore (India)

### **Paper presented in National/ State/ University level Conference:**

1. P. S. Kadam (2013), "Sacred groves and biodiversity conservation", National conference on Sacred groves as a repository for ethno medicinal plants, Dept. of Botany, Rajaram College, Kolhapur, Feb 1-2, 2013.
2. P. S. Kadam (2013), "Diversity and Photosynthetic Pigments", *National conference on recent trends in Botany, Dept. of Botany, Yashwantrao Chavan Institute of Science, Satara*, Jan 18-19, 2013
3. P. S. Kadam (2012), "Diversity and Conservation of the Lower plant groups of Malavali area", *National seminar on Medicinal Plants: Status and Future*, Department of Botany, Shivaji University, Kolhapur, India, Nov 6-7, 2012.
4. P. S. Kadam (2012), "Evaluating potential of *Crotalaria* in bioremediation of saline soil", *National seminar on recent advances in chemical and environmental science*, RM ACS College, Akurdi, Pune, Feb 10-12, 2012
5. P. S. Kadam (2012), "Tapping Bryophytes for Medicinal and Ecological uses", *International Conference on Business Opportunities in Life Sciences*, Modern College of Arts, Science & Commerce, Shivajinagar, Pune 411005, Maharashtra, India, Jan 28-30, 2012
6. P. S. Kadam (2012), "Diversity and Medicinal uses of Bryophytes", *International Conference on Current Trends in Medicinal plant Research*, Dept. of Botany, University of Pune, Jan 10-12, 2012.
7. P. S. Kadam (2011), "Seasonal variations in the micronutrients of some Pteridophytes in Lonavala area", *International conference on Biodiversity and its conservation*, Modern college, Pune, Jan 28-30, 2011
8. P. S. Kadam (2010), "Micronutrient status of bryophytes in Malawali area of Lonavala", *The XXXIII Conference of Indian Botanical society and international symposium on the New Horizons of Botany*, Dept. of Botany, Shivaji University, Kolhapur, Nov 10-12, 2010.
9. P. S. Kadam and P. B. Cholke (2008), "Effect of salt on Proline content in seedlings of *Crotalaria* sp.", *National conference on recent trends & strategic development in Biosciences*, Waghire College, Saswad, Pune, Dec 2008.
10. P. S. Kadam and P. B. Cholke (2008), "Effects of salts stress on foliage characters of *Crotalaria* sp.", *National conference on recent trends & strategic development in Biosciences*, Waghire College, Saswad, Pune, Dec 2008.
11. P. S. Kadam (2004), "Effect of NaCl salinity on Stomatal density and stomatal behaviour of *Crotalaria* L. species", *National Seminar on Plant Physiology*, Department of Botany, Pune University, Dec 2004.

**Awards/Honours: NIL**

**Books Published: NIL**

**Innovations in Curriculum design and transactions: ---**

**Resource Person: ---**

1. Completed the refresher course in Environmental Science (Botany) , Dept. of Environmental Science, University of Pune from 01-21 Oct, 2015.

2. Worked as a judge for Botanica-2012, organised by Dept. of Botany, Nowrosjee Wadia College, Pune, 30 Jan, 2012
3. Worked as a judge in Science exhibition organized by RJSPM ACS college, Bhosari on 17<sup>th</sup> December 2011
4. Worked as a judge in Flower fruit exhibition organized by PCMC March 2011
5. Participated in National Conference on Advances in Life Sciences,, RMACS College, Akurdi, Pune, 2014-15.
6. Worked as a resource person at the workshop on new T.Y.B.Sc practical syllabus held at Abasaheb Garware College on 31st July 2010.
7. Completed the Refresher course on Life sciences held at university of Pune from 02- 22nd February 2011.
8. Guided M.Sc students at the one day NSS camp held on 25th September 2010.
9. Worked as paper setter, paper examiner (CAP), and practical examiner for M. Sc. courses in Botany of University of Pune, during 2013, 2012, 2011, 2010, 2009, and 2008.
10. Delivered lectures on Environment Awareness to BCS students at Ramkrishna More College, Akurdi, Pune, during 2013, 2012, 2011, 2010, 2009. Also guided students in environment awareness projects.
11. Worked as paper setter, paper examiner (CAP), and practical examiner for F.Y. B.Sc./S.Y. B.Sc. courses in Biotechnology/Botany of University of Pune, during 2013, 2012, 2011, Mar 2010, May 2009, Oct 2008, Nov 2007, Apr 2006, Nov 2005, and Aug 2005.
12. Worked as a subject nominee for the selection of Lecturer (Biotechnology) for University of Pune, at Sinhgad College of Science, Pune, and New ACS College, Ahmednagar, during Jun 2005 and Sep 2005.

#### **Seminars/Workshops/ Training courses attended: ---**

1. Attended State level workshop on Commercial White Button Mushroom Cultivation, Jan 2, 2017, held at PDEA's Waghire College, Saswad, Pune
2. Participated in National Workshop on Applications of Geoinformatics in Geographical and Botanical Studies, 30-31 Jan, 2017, SP College, Pune
3. Participated in National Workshop on Recent Advances in Cell Biology and Molecular Biology, 5-6 Feb, 2016, SP College, Pune
4. Attended two-day state-level workshop on Bioinformatics and Biostatistics using R software, S. P. College, 30 Sep to 01 Oct, 2016
5. Participated in one-week Science Teachers Training Programme of Teaching & Research Process in Science Education, 4-11, Apr, 2016, held at H. V. Desai College, Pune
6. Participated in UGC sponsored National Seminar on Current Trends in Biodiversity Conservation and Climate Change, held at Dept. of Zoology, Yashwantrao Mohite ACS College, 24-25 Feb, 2016.
7. Participated in Workshop on Recent Advances in Cell Biology and Molecular Biology, held at Dept. of Botany, SP College, Pune, 5-6 Feb, 2016.
8. Participated in WoW workshop on ICT, held at RMACS College, Akurdi, Pune, 30 Sep, 2015
9. Participated in one-day State level seminar on Recent Trends in Plant Sciences held at B.G. College Sangavi on 9th January 2015.
10. Participated in Workshop on Biological Terminology in Regional Language Marathi organised by Commission for Scientific and Technical Terminology, held at R.P Gogate College, Ratnagri, 23-24 Dec, 2014
11. Participated in workshop and worked as the reporter of Session I Biological Terminology in Regional language Marathi held at R.P Gogate College, Ratnagiri on 23rd and 24th December 2014
12. Workshop on Practical syllabus of S. Y. B. Sc. held in Wadia College on 11 Jul, 2014.
13. Resource person in Workshop on Biodiversity Conservation and Introduction of PBR (Local Plant Species), held at RMACS College, Akurdi, Pune, 22 Feb, 2014

14. Workshop on Revised syllabus of F. Y. B. Sc. Botany Practical, Garware College, Pune, Jul 06, 2013.
15. Workshop on Phytochemical analysis of therapeutically active constituents of pharmaceutically important medical plants, Dept. of Botany, University of Pune, 13 Jan, 2012
16. National seminar on Recent advances in chemical and environmental science, RM ACS College, Akurdi, Pune, 10-12 Feb, 2012
17. Workshop on T. Y. Bsc Botany practical skeleton paper I, II and III courses held at BG College, Sangavi on 22nd February 2011.
18. Regional Conference for Pune University College Teachers "INNOVATION-2009-10", held at Vidya Pratishthans Arts, Science & Commerce College, Baramati, Pune, 19-20 Dec 2009-10.
19. Regional Conference for Pune University College Teachers "INNOVATION-2010", held at Vidya Pratishthans Arts, Science & Commerce College, Baramati, Pune, 23-24 Nov 2010.
20. Workshop on Revised syllabus of T. Y. B.Sc. Botany Practical I, organized by Department of Botany, Abasaheb Garware College, and BCUD, University of Pune, 31 July 2010.
21. Workshop on "Revised Syllabus of S.Y. B.Sc. Botany Practicals", organised by Department of Botany, Abasaheb Garware College, Karve Road, Pune 411004, on 11 Jul 2009.
22. Workshop on "Revised Syllabus of F.Y. B.Sc. Botany Practicals", organised by Department of Botany, Modern College of Arts, Science and Commerce, Ganeshkhind, Pune 411053, on 19 Jul 2008.
23. Workshop on "Discussion on Reconstruction of (F.Y., S.Y., T.Y.) B.Sc. Botany Course", organised by Department of Botany, Baburaoji Gholap College, Sangavi, Pune 411027, and University of Pune, on 06 Jan 2007.
24. Workshop on "Evaluation with Special Reference to MCQs", organised by Medical Education Technology, Pad. DR. D.Y.Patil Medical College, Pimpri, Pune, on 07-08 Apr 2006.
25. State level Symposium for Principals on "Can India Export Higher Education?", conducted by Modern College, Ganeshkhind, Pune, on 17-18 Mar 2005.
26. National seminar on Plant Physiology jointly organised by Department of Botany, University of Pune, and Indian Society for Plant Physiology, New Delhi, on 27-29 Dec 2004.
27. Workshop on "B.Sc. syllabus in Biotechnology", organised by Department of Biotechnology, Modern College, Ganeshkhind, Pune, on 25-26 Sep 2004.

#### **Participation in community/ Social Services: NSS**

1. Worked as a Judge at the PCMC Garden Exhibition on fruit, vegetables, flower, and house cleanliness, held in years 2011 to 2016.
2. Participated in the Avishkar held on 6<sup>th</sup> Jan 2011 at Prof. Ramkrishna More Arts, Commerce and Science College, Akurdi.
3. Participated in the Disaster Management Workshop held at Autocluster on 05-06<sup>th</sup> Mar 2010.
4. Delivered lecture on "Necessity of Environmental Conservation", at PCMC School, 12 Jan 2010.
5. Participated in District level seminar on "Research Orientation", D. Y. Patil ACS College, Pune, Mar 2010.

#### **Memberships on various bodies: N/A**

#### **Computer Skills: Basic**