

Dr. Pradip Vikram Deshmukh
M.Sc., Ph.D. (Botany)

Office Address:

Assistant Professor,
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Sex-Male

Date of Birth: 07th March 1992

Citizenship-India

Languages known: English, Hindi, Marathi

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Career Objectives:

The objective is to develop a sound understanding of plant speciation processes, particularly, amongst the bulbous monocots. Expertise in molecular cytogenetics is essential to decipher genome evolution. The focus is to learn molecular cytogenetics. Also aim at generating first hand data on Karyosystematics and conservation status of Western Ghats endemics that would eventually contribute to their efficient conservation.

Work Experience:

- ❖ Academic Research and Teaching post-graduate (M.Sc.) students. Courses taught- Plant Structure, Development and Reproduction at Department of Botany, Shivaji University, Kolhapur. for year **2020- 2021 and 2021-2022.**
- ❖ September 2019 – June 2023: Senior Research Fellow, Department of Botany, Shivaji University, Kolhapur – 416 004, Maharashtra.
- ❖ Worked under MoEF (Ministry of Environment and Forests, Government of India, New

Delhi) funded project on Centre for Education, Learning and Research training in Angiosperm Taxonomy.

- ❖ **Presently working** as Assistant Professor, at Rayat Shikshan Sanstha's, Balwant College, Vita. Sangali. from July 2024 to till date. **Courses taught-** Plant Structure, Development and Reproduction, Genetics and Molecular Biology, Plant Systematics and Anatomy, Plant Metabolism and Stress Biology, Biomolecules and Cell Biology to graduate (B.Sc.) students.

Education:

2023: Ph.D., Botany, *Department of Botany, Shivaji University, Kolhapur, Maharashtra, India.*

Thesis: *Biosystematic studies in Ledebouria revoluta (Asparagaceae) in India.*

Advisor: Dr. M. M. Lekhak

2016: M.Sc., Botany, *Department of Botany, Shivaji University, Kolhapur, Maharashtra, India.*

2014: B.Sc., Botany, *Shri Shivaji Mahavidyalaya, Barshi, Solapur University, Solapur, Maharashtra, India.*

Honors and awards:

- ❖ **Senior Research Fellow**, Chhatrapati Shahu Maharaj Research, Training and Human Development Institute (SARTHI).
- ❖ **Merit Certificate**, National Seminar on New Trends in Biotechnology and 14th Conference of Society of Cytologists and Geneticists. held at **Department of Biotechnology and Research Centre, Bapuji Institute of Engineering & Technology, Davangere, Karnataka, India.** during 6th – 8th March 2019.
- ❖ **Best Presentation Award**, International Conference on New horizons and multidisciplinary Applications in Science and Technology (2021). held in the **Faculty of Science and IQAC Shri Vitthal Rukhmini College, Sawana, Dist. Yavatmal, (MH) India** from 11th – 13th October 2021.

Membership of scientific societies/professional bodies:

Life member, Indian Association for Angiosperm Taxonomy (IAAT), Calicut, Kerala.

Workshop Organized:

Organized workshop as a **Co-ordinator** on 'Wild Vegetables Exhibition and Recipe Competition' at Rayat Shikshan Sanstha's, Balwant College, Vita, Sangali, Maharashtra on 31st August, 2024.

Publications:

1. **Pradip Deshmukh**, Shrirang Yadav, Manoj M. Lekhak 2024. Male meiosis and pollen morphology of some populations of *Ledebouria revoluta* (Asparagaceae) from India June 2024. *Cytologia* 89(2): 97–104.
2. **P. V. Deshmukh**, S. R. Yadav, M. M. Lekhak. 2023. Karyomorphological Study in *Ledebouria botryoides* (Asparagaceae). *Cytologia* 88 (1): 15–19.
3. R. N. Chougule, **P.V. Deshmukh**, P.E. Shelke, V.J. Patil, M.M. Lekhak 2023. Cytogenetical studies of some Convolvulaceae members from the Western Ghats, India reveal uniformity in karyotypes. *Caryologia* 76(2): 59-65.
4. S. S. Kadam, R. N. Mane, A. S. Tamboli, S. K. Gavde, **P. V. Deshmukh**, M. M. Lekhak, Y. Choo, J. H. Pak. 2023. Cytogenetics, Typification, Molecular Phylogeny and Biogeography of *Bentinckia* (Arecoideae, Arecaceae), an Unplaced Indian Endemic Palm from Arecaceae. *Biology* 12(2): 233.
5. M. M. Lekhak, S. S. Patil, **P. V. Deshmukh**, U. M. Lekhak, V. Kumar, A. Rastogi. 2022. Genus *Barleria* L. (Acanthaceae): a review of its taxonomy, cytogenetics, phytochemistry and pharmacological potential. *Journal of Pharmacy and Pharmacology* 74 (6): 812–842.
6. S. S. Patil, **P. V. Deshmukh**, M. M. Lekhak. 2022. Typification of some names in Indian *Barleria* L. (Acanthaceae). *Phytotaxa* 547 (3): 285–294.
7. S. Surveswaran, N. Tiwari, P. K. Karanth, **P. V. Deshmukh**, M. M. Lekhak. 2022. Molecular phylogenetics and character evolution in *Haplanthodes* (Acanthaceae), an endemic genus from peninsular India. *Nordic Journal of Botany* 4: 1–14.
8. **P. V. Deshmukh**, M. M. Lekhak, S. R. Yadav. 2022. Leaf morphology and cuticular studies in *Ledebouria revoluta* (L.f.) Jessop (Asparagaceae) in India. *The Journal of Indian Botanical Society*. 102 (2): 103–112.

9. **P. V. Deshmukh**, S. Surveswaran, R. D. Gore, M. M. Lekhak. 2021. Taxonomic studies in the genus *Haplanthodes* (Acanthaceae). *Phytotaxa* 516 (3): 201–222.
10. Jagdish Dalavi, **Pradip Deshmukh**, Varsha Jadhav and Shrirang Yadav 2018. Two new species of *Portulaca* L. (Portulacaceae) from India. *Phytotaxa* 376(1): 68–76.

Book Chapters:

1. Rutuja S. Tirbhane, **Pradip Deshmukh**, Utkarsha Manoj Lekhak. 2022. Pharmacological Activities of *Diploclisia glaucescens* (Blume) Diels In: Phytochemistry and Pharmacology of Medicinal Plants, 2 volume set 2.

Presentations in Conferences:

1. **P. V. Deshmukh**, S. R. Yadav and M. M. Lekhak. 2022. Biosystematic studies in *Ledebouria revoluta* (Asparagaceae) from India. XXXII Annual Conference of Indian Association for Angiosperm Taxonomy and National Symposium on “The Contribution of Angiosperm Diversity to Human Wellbeing and the Risks Associated with its Decline” held in the **Department of Botany, Karnatak University’s Karnatak Science College, Dharwad, Karnataka, India from 11th – 13th November, 2022.**
2. **P. V. Deshmukh**, S. R. Yadav and M. M. Lekhak. 2022. Morphological, Cuticular and Cytogenetical studies in *Ledebouria revoluta* (L.f.) Jessop (Asparagaceae) in India. XLV All India Botanical Conference on “Climate Change: Biodiversity, Adaptation and Mitigation” held in the **Department of Botany, University of Lucknow, Uttar Pradesh, India from 14th – 16th October, 2022.**
3. **P. V. Deshmukh**, S. R. Yadav and M. M. Lekhak. 2022. Morphological, Cuticular and Cytogenetical studies in *Ledebouria revoluta* (L.f.) Jessop (Asparagaceae) in India. XXXI Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) and International Conference on “Documentation, Bioprospecting & Conservation of Biodiversity for Sustainable Development” held in the **Kalsubai Harishchandragad Wildlife Sanctuary, Bhandardara (Shendi Village) Akole, Ahmednagar Organized by Dr. D. Y. Patil Arts, Commerce & Science College Akurdi, Pune, Maharashtra, India from 5th – 7th April, 2022.**
4. **P.V. Deshmukh**, S.R. Yadav and M.M. Lekhak, 2021, Cytotaxonomic studies in

Ledebouria revoluta (L.f.) Jessop (Asparagaceae), XLIV All India Botanical Conference of the Indian Botanical Society on Plant Science Research in Present Scenario: opportunities and challenges held in **Department of Botany, Jai Narain Vyas University, Jodhpur, India from 18th – 20th October, 2021**

5. **P. V. Deshmukh**, S. R. Yadav and M. M. Lekhak. 2021, Morphological and cuticular studies in *Ledebouria revoluta* (L.f.) Jessop (Asparagaceae) in India International e Conference on New horizons and multidisciplinary Applications In Science and Technology (ICMA2021) held in the Faculty of Science and IQAC **Shri Vitthal Rukhmini College, Sawana, Dist. Yavatmal, (MH) India from 11th – 13th October, 2021.**
6. R. N. Chougule, **P. V. Deshmukh**, V. I. Kahalkar and M. M. Lekhak, 2019, A new cytotype of *Molineria trichocarpa* (Hydrocharitaceae), National Conference on New Trends in Bio-Technology & 14th Conference of Society of Cytologists and Geneticists held in the **Department of Biotechnology and Research center, Bapuji Institute of Engineering and Technology, Davangere, Karnataka, India from 6th – 8th March, 2019.**
7. **P. V. Deshmukh, R. N. Mane and S. R. Yadav, 2019**, Cytological studies in the genus *Aponogeton* in India. “29th Annual Conference of Indian Association of Angiosperm Taxonomy and National Symposium on Modern Trends in Biosystematics of Angiosperms” Organized by **Jawaharlal Nehru Tropical Botanic Garden and Research Institute Palode, Thiruvananthapuram, Kerala, India. during 11th to 13th November, 2019.**
8. **P. V. Deshmukh**, R. N. Mane, J. V. Dalavi and S. R. Yadav, 2019, Cytogenetical studies in the species of *Aponogeton* from India. National Seminar on New Trends in Biotechnology, 14th Conference of Society of Cytologists and Geneticists and Bio Entrepreneurship Summit held at **Department of Biotechnology and Research Centre, Bapuji Institute of Engineering & Technology, Davangere, Karnataka, India. during 6th – 8th March, 2019.**
9. **P. V. Deshmukh**, S. P. Sutar and M. M. Lekhak, 2018, Taxonomic Revision of The genus *Haplanthodes* O. Kuntze (Andrographideae: Acanthaceae), XXVIII Annual conference of Indian Association for Angiosperm Taxonomy and International

Symposium on Conservation of Angiosperm Diversity: Hidden Treasurer of Today and Tomorrow held in the **Department of Botany, The Maharaja Sayajirao University of Baroda, Vadodara, Gujrat, India from 29th - 31st October, 2018.**

10. **P. V. Deshmukh**, N. S. Chavan and U. Pol, 2016, Simple Regeneration Technique of *Ocimum basilicum* L. “XXVI Annual Conference of Indian Association for Angiosperm Taxonomy and International Seminar on Conservation and Sustainable Utilization of Biodiversity” Organized by **Department of Botany, Shivaji University, Kolhapur during 7th – 9th November, 2016.**
11. N. S. Chavan, M. V. Gokhale and **P. V. Deshmukh**, 2016, Floral Wealth of Sand Dune ecosystem of Sindhudurg district, Maharashtra “XXVI Annual Conference of Indian Association for Angiosperm Taxonomy and International Seminar on Conservation and Sustainable Utilization of Biodiversity” Organized by **Department of Botany, Shivaji University, Kolhapur during 7th – 9th November, 2016.**

Conferences/Seminars/Workshops Participated:

1. Participated in workshop on **NEP-2.0 Syllabus of B.Sc. Part- I BOTANY Theory Paper- I, II, III and IV** Organized by Department of Botany, Arts, Commerce and Science College, Palus on 17th August, 2024.
2. Participated in workshop on **“Plant Taxonomy: Theory and Practice”** Organized by Department of Botany, Shivaji University, Kolhapur during 21st – 22nd February, 2022.
3. Participated in **“Workshop on Plant Nomenclature”** Organized by Department of Botany, Shivaji University, Kolhapur during 1st – 5th February, 2021.
4. Participated in workshop on **“Hands on Training in Herbarium Techniques and Taxonomic Literature”** Organized by Department of Botany, Shivaji University, Kolhapur on 22nd November, 2021.
5. Participated in **“Botanical Nomenclature Course”** Organized by Botanical Survey of India, Eastern Regional Centre, Shillong during 27th – 31st January, 2020.
6. Participated in **“Workshop on Role of Chromosome in Plant Taxonomy”** Organized by VIVA College, Mumbai on 15th June, 2020.

7. Participated in **“One week Faculty Development Programme on Open Source Tools for Research”** During 8th – 14th June, 2020.
8. Participated in workshop on **“Hands on Training in Angiosperm Taxonomy”** Organized by Department of Botany, Shivaji University, Kolhapur during 5th – 9th August, 2019.
9. Participated in **“National Conference on Mangroves and Coastal Resources”** Organized by Department of Botany, Shivaji University, Kolhapur on 12th April, 2019.
10. Participated in **“National Workshop on Monocot Systematics”** Organized by Department of Botany, Shivaji University, Kolhapur during 1st – 6th January, 2019.
11. Participated in **“National Workshop on Floristics, Monographs and Revisionary Studies in The Age of Molecular Systematics”** Organized by Department of Botany, Shivaji University, Kolhapur during 5th – 10th February, 2018.
12. Participated in **“Workshop on Conservation, Nomenclature and Multiplication of Endangered plant species in Western Ghats”** Organized by Department of Botany, Shivaji University, Kolhapur on 17th March, 2017.
13. Participated in **“National Workshop on Grass Systematics”** Organized by the department of Botany, Shivaji University, Kolhapur during 2nd – 11th January, 2017.
14. Attended One Day Workshop on **“Regional medicinal plants, their Conservation and sustainable use”** Organized by Department of Botany, Shivaji University, Kolhapur held on 18th March, 2017.
15. Participated in **“National Workshop on Plant Taxonomy: Basics and Synthesis of Data”** Organized by Department of Botany, Shivaji University, Kolhapur during 3rd – 8th July, 2017.
16. Participated in one day workshop on **“International Day for Biological Diversity”** Organized by Department of Botany, Shivaji University, Kolhapur on 22nd May, 2016.
17. Participated in **“Continue 10 hours reading”** organized by Shri Shivaji Mahavidyalaya, Barshi on 30th January, 2014.

18. Participated in “12th Conference of Society of Cytologists and National Symposium on Challenges for Biologist in 21st Century” Organized by Department of Botany, Shivaji University, Kolhapur during 22nd and 23rd December 2014.

Small Project Activities:

- ❖ Survey of Flowering Plant Diversity at Bandre and Paleparmar (Tillari Nagar), Kolhapur District Maharashtra. 17th-20th November, 2017. In Association with Tillari Nagar Electricity Power Project.

Declaration:

I hereby declare that the information and details given above are true to the best of my knowledge. Looking forward to work in your esteemed concern.

Place: Kolhapur

Date: 04/09/2024

Yours Sincerely,



Pradip Vikram Deshmukh