

SCIENTIST PROFILE

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I. Professional Experience:

March 2015 Scientist at Naoroji Godrej Centre for Plant Research, Shirwal, Dist. Satara.

August 2013 to March 2015 UGC-Dr. D. S. Kothari Post Doctoral Fellow, at Department of Botany, Goa University.

July 2009–August 2012: Worked as a **research fellow** for Rajiv Gandhi Science & Technology Commission funded Project entitled “**Digitized inventory of Medicinal plants of Maharashtra**” sanctioned to **Department of Botany, Shivaji University, Kolhapur.**

December 2008–May 2009: Worked as a **team member** to consultancy project [IRB–road development project for Kolhapur Municipal Corporation] sanction to **Department of Botany, Shivaji University, Kolhapur.**

July 2007–Feb. 2008: Worked as a lecturer in BOTANY at **Doodhsakhar Mahavidyalaya, Bidri, Kolhapur.**

July 2005 – June 2007: Resource Person and Volunteer to conduct Nature trails in and around Mumbai for the following organizations -

World Wide Fund (WWF) for Nature-India, Maharashtra State Office (MSO); Sanctuary Asia. Mumbai.

February 2006 – June 2007: Worked as **Field Officer** for the **Tree Census** of **Navi Mumbai Municipal Corporation** with Dr. C. S Lattoo of Environment & Biotech Foundation.

II. Educational Qualification:

UGC-Dr. D. S. Kothari Post Doctoral Fellow at **Goa University.**

Ph. D. in Botany, **December 2013**, title of work “**Taxonomic Revision of Indian Spiderworts (Commelinaceae)**” under the guidance of **Dr. R. V. Gurav**, Department of Botany, Shivaji University, Kolhapur.

Successfully completed **Master of Philosophy, BOTANY (M. Phil.)** in year **December 2010**, dissertation title “**Cytomorphological studies in some Commelinaceae**” under the guidance of **Dr. R. V. Gurav**, Department of Botany, Shivaji University, Kolhapur.

Successfully completed **Master's degree (M.Sc.)** in the major subject **Botany** and specialized subject **Angiosperms** from **University of Mumbai** in the year **2006-07** with **66.00%** (First Class)

Successfully completed **Bachelor of Science** in the major subject **Botany** and applied subject **Horticulture** from **Shivaji University** in the year **2003-04** with **63.00%** (First Class)

Computer Knowledge: **DTP** from **St Angelo's Computer, Goregaon (West), Mumbai.**

Diploma in Digital Photography from National Institute of Photography, Dadar, Mumbai.

III. Conferences, Seminar & Workshop participated:

1. 19th Annual Conference of IAAT and International Symposium on Angiosperm Systematics and Phylogeny: Retrospect and Prospect National Botanical Research Institute, Lucknow, CSIR, 12th to 14th November 2009.
2. 11th International conference of International Organization of Plant Biosystematists on Evolution of plants from tropical to high mountain ecosystems: Focus on Asia. Dr. B. A. M. U., Aurangabad UGC, IAPT, DST, etc. 2nd to 4th September 2010.
3. 33rd Conference of Indian Botanical Society and International symposium on the New Horizons of Botany Shivaji University, Kolhapur UGC, CSIR, DST, etc. 10th to 12th November 2010.
4. 20th Annual Conference of IAAT and International Symposium on Taxonomy, Plant Diversity and Conservation Bharthiar University, Coimbatore, 26th to 28th November 2010.
5. National Conference on Plant Biodiversity at Y. C. Institute of Science, Satara (MS) India, Sponsored by UGC, on 23rd and 24th April 2010.
6. Conservation and Cultivation of Traditional Medicinal Plants R. B. Madkholkar College, Chandgad; 17th and 18th February 2011.
7. 21st Annual Conference of IAAT and International Symposium on Taxonomy, Plant Diversity and Conservation, IMMT, Bhuvaneshwar, Orissa, India. November 2011.
8. Recent advances in research on RET species of Western Ghats, organized by Dept. of Botany, Shivaji University, Dept. of Forests, Govt. of Maharashtra. 12th January 2012.
9. 23rd Annual Conference of IAAT and National seminar on Recent Advances in Plant Taxonomy research, RTM Nagpur University, Nagpur 27– 29 December 2013
10. Third Indian Biodiversity Congress, 17th to 20th December, 2014, SRM University, Chennai
11. Scientific Writing and Effective Communication, A day Workshop, organized by Goa University and in collaboration with University of Florida 5th to 6th January 2015.

IV. Papers presented at conferences and seminars:

1. Gurav, R. V. and Nandikar, M. D. Successful transplantation of trees: Phase- I. 19th Annual Conference of IAAT and International Symposium on Angiosperm Systematics and Phylogeny: Retrospects and Prospects at Shivaji National Botanical Research Institute, Lucknow from 12th to 14th November 2009.
2. Nandikar, M. D. and Gurav, R. V. Critical studies on systematics of *Murdannia lanuginosa* (Wall. Ex C. B. Cl.) Brueck (Commelinaceae). 19th Annual Conference of IAAT and International Symposium on Angiosperm Systematics and Phylogeny: Retrospects and Prospects at Shivaji National Botanical Research Institute, Lucknow from 12th to 14th November 2009.
3. Nandikar, M. D. and Gurav, R. V. Cladistic analysis of genus *Murdannia* Royle (Commelinaceae) of Western Ghats of India. National Conference on Plant Biodiversity at Y. C. Institute of Science, Satara (MS) India on 23rd and 24th April 2010.
4. R. Mahamuni, K. V. C. Gosavi, M. D. Nandikar and D. K. Gaikwad. 2010. Ethnomedicinal plants used by the traditional healers of Shahuwadi Tehsil, Kolhapur District (Maharashtra), XXXIII Conference of Indian Botanical Society and

International Symposium on “The New Horizons of Botany” held at Department of Botany, Shivaji University, Kolhapur.

5. Nandikar, M. D. and Gurav, R. V. Family Commelinaceae in India- Diversity and Threats. 20th Annual Conference of IAAT and International Symposium on Taxonomy, Plant Diversity and Conservation at Bharthiar University, Coimbatore on 26th to 28th November 2010.
6. Dangat, B. T.; Gurav, R. V. and Nandikar M. D. Howkmoth pollination in *Habenaria longicorniculata* J. Graham (Orchidaceae). International Symposium and 22nd Annual Conference of IAAT on Innovative Prospects in Angiosperm Taxonomy 28–30 October 2012.
7. Nandikar, M. D. and Gurav, R. V. Systematic studies on the genus *Murdannia* (Commelinaceae) in India. 23rd Annual Conference of IAAT and National seminar on Recent Advances in Plant Taxonomy research, RTM Nagpur University, Nagpur 27–29 December 2013
8. Gurav, R. V. and Nandikar M. D. The Commelinaceae of India: Diversity, Endemism and Geographic distribution. 23rd Annual Conference of IAAT and National seminar on Recent Advances in Plant Taxonomy research, RTM Nagpur University, Nagpur 27–29 December 2013
9. Jadhav Durga, Nandikar Mayur and Gurav Rajaram: Spathes Diversity in the genus *Commelina* in India. 25th Annual Conference of IAAT and National seminar on Recent Advances in Plant Taxonomy research, Calicut University, Calicut 19-21 Nov. 2015.
10. Giranje Priyanka and Nandikar Mayur: Torna Fort: a store house for endemic plants 25th Annual Conference of IAAT and National seminar on Recent Advances in Plant Taxonomy research, Calicut University, Calicut 19-21 Nov. 2015.

V. Publications in national and international journals:

1. **Nandikar, M** and Gurav, R. Critical studies on systematics of *Murdannia lanuginosa* (Wall. ex C. B. Cl) Brueck. (Commelinaceae). Available from **Nature Precedings** <<http://dx.doi.org/10.1038/npre.2010.4619.2>> (2010)
2. **Nandikar, M. D.**, Lekhak, M. and Gurav, R. V. 2010. Karyotype analysis of a new cytotype of *Callisia fragrans* (Lindl.) Woodson (Commelinaceae). **Nucleus**. 53 (3): 95 - 97.
3. SR Yadav, AN Chandore, SM Gund, **MD Nandikar**, M Lekhak 2010. Relocation of *Hubbardia heptaneuron* Bor, from its type locality. **Current science** 98 (7): 72.
4. Gurav, R. V., **Nandikar, M. D.** and Dangat, B. T. 2011. On the occurrence of the jewel orchid *Hetaeria oblongifolia* Blume in Western Ghats of India. **Richardiana** 12 (1): 39 – 45.
5. **Nandikar, M. D.** and Gurav, R. V. 2011. A new species of *Murdannia* Royle (Commelinaceae) from Northern Western Ghats of India. **Taiwania** 56 (3): 227 – 230.
6. **Nandikar, M. D.**, Gurav, R. V. and Umesh, D. 2011. Rediscovery of *Murdannia striatipetala* (commelinaceae)- a little known species from southern India with a note on its identity and distribution. **J. Bombay Nat. Hist. Soc.** 108 (1): 67 – 68.
7. MM Lekhak, **M D Nandikar**, SR Yadav 2011. Karyomorphology of *Flemingia nilgheriensis* (Baker) Wight ex T. Cooke: An Endemic from Western Ghats, **Cytologia** 76 (3), 243–248
8. TB Desai, **M D Nandikar** 2012. Impact of urbanization on avenue trees and its role in carbon sequestration: a case study in Kolhapur city, **International Journal of Environmental Sciences** 3 (1), 481–486.

9. Ramana MV, **Nandikar M. D**, Gurav RV, Tagore JK, Sanjappa M. 2013. *Murdannia saddlepeakensis* (Commelinaceae) – a new species from Andaman and Nicobar Islands, India. **PhytoKeys** 20: 9–15. doi: 10.3897/phytokeys.20.3611
10. **Nandikar Mayur**, Rajdeo Singh, Rajaram Gurav, Rajendra Shinde 2013. Lectotypification and notes on the identity of *Christisonia calcarata* Wight (Orobanchaceae). **Rheede** 23:1. 26–29.
11. **Nandikar Mayur** & Gurav Rajaram. 2014. *Commelina beddomei* (Commelinaceae), A New name for Endemic Beddome's *Commelina hirsuta* from Western Ghats of India. **Plant Sciences Feed**. 4: 1. 1–5.
12. **Nandikar, M.D.** & R.V. Gurav (2014). A taxonomic account of *Amisobotolype* (Commelinaceae) and notes on the occurrence of *Porandra* in India. **Journal of Threatened Taxa** 6(5): 5774–5780; <http://dx.doi.org/10.11609/JoTT.o3500.5774-80>
13. **Nandikar, M.D.** & R.V. Gurav (2014). A revision of the genus *Cyanotis* D. Don (Commelinaceae) in India **Taiwania** 59(4): 292-314.
14. **Nandikar, M.D.** & R.V. Gurav (2015). Lectotypification in *Streptolirion* (Commelinaceae). **Phytotaxa** 213 (1): 069–069
15. **Nandikar, M.D.** & R.V. Gurav (2015). Taxonomic Revision of the genus *Murdannia* (Commelinaceae) in India. **Phytodiversity**. 2.1: 56-112.
16. **Nandikar, M.D.** & R.V. Gurav (2015). *Commelina badamica* (Commelinaceae), a new species from India. *Telopea*. 18:513-518.

VI. Books Edited

Nandikar Mayur & R. V. Gurav (2015) 'Comelinaceae' for Flora of West Bengal, Botanical Survey of India, Kolkata (in Press)

VII. Nature Tours Conducted as a Nature advisor as well as Tour Escort for further places or for floral explorations:

Kankumbi national Park, Jambhoti, Belgaum., West Bengal Including Indian Botanical Garden Kolkata, Sibpur; Dandeli National Park, North Karnataka. Karvar, Goa; Nainital, Jim Corbet National Park, Uttarakhand. Bhimashankar Biosphere Reserve, Maharashtra. Munnar, Eravikulam National Park, Periyar Tiger Reserve, KFRI-Trichur, Kerala. Mahabaleshwar, Maharashtra. Bondala National Park (Goa); Tropical Botanical Garden, Palode; Jog falls, Karnataka; Bandipur National Park, Karnataka; Meghalaya, etc.

For the study of flora and fauna frequent visits to Sanjay Gandhi National Park, Mahim Nature Park, Mumbai and Dajipur WILD LIFE Sanctuary, Radhanagari, Goa, Malavan, Ratanagiri, and number localities in Maharashtra, Goa, Karnataka, Tamil Nadu & Karnataka States.

VIII. Jubilant Activities:

Aug. 2013 to Feb 2015: Worked in various programme committees, for the conferences, seminar and workshops conducted by Department of Botany, Goa University, Goa.

2008–2012: Actively participated for Departmental Activities (Conferences, Seminars, Workshops, annual programmes) in Department of Botany, Shivaji University, Kolhapur.

2004 September: Worked as a Volunteer & Participant for **WORLD OF TREES-2004 at Maharashtra Nature Park, Mumbai.**

2004 December to 2005 December: Worked as a **Volunteer** for **HERBAL WORLD** in the consecutive year that is organized by **Prabodhan, Goregaon, and Mumbai.**