

RESUME

Dr. MRUNALINI NILESH DESAI

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EDUCATIONAL QUALIFICATION:

Year	Degree	Organization	Class
1999	B. Sc. (Botany)	Shivaji University, Kolhapur (MS) India	I st Class with Dist.
2001	M.Sc. (Botany)	Shivaji University, Kolhapur (MS) India	I st Class
2002	B.Ed.	Shivaji University, Kolhapur (MS) India	I st Class Grade: 'O'
2012	Ph. D.	Shivaji University, Kolhapur (MS) India	By Thesis

Title of Thesis: "Autecology of a mangrove species *Cynometra iripa* Kostel".

TEACHING EXPERIENCE:

Sr. No.	Name of the Institute	Position Held	Duration
1.	The New College, Kolhapur.	C.H.B. Lecturer	July 2005 - March 2009
		Assistant Prof. Non Grant Full Time	August 2014 – April 2019
2.	Gopal Krishna Gokhale College, Kolhapur.	C.H.B. Lecturer	July 2009 - 2012
	B.Voc. Sustainable Agriculture management	Head Of The Department	July 2019 – September 2021
3.	Shri. Vijaysinha Yadav College, Peth Vadgaon	C.H.B. Lecturer	July 2019- August 2021
4.	Dr. Tanajirao Chorage Arts, Commerce and Science Senior College, Nandwal. Kolhapur.	Principal	February 2021- August 2022
5..	Vivekanand College, Kolhapur (Autonomous)	C.H.B. Lecturer	November 2021- Till date.

MEMBERSHIP:

- 1) Life member – Mangrove Society of India (NIO) Goa.
- 2) Life Member – Indian Woman Scientist Association. (IWSA)
- 3) Member – Kolhapur Garden Club
- 4) Member – Kolhapur Bonsai Club.

BOOKS PUBLISHED: (02)

1. A Handbook of Practical Botany for **B. Sc. I**. ISBN – 978-93-86077-84-4.
As per revised syllabus of Shivaji University, Kolhapur.
2. A Handbook of Practical Botany for **B. Sc. II**. As per revised syllabus of Shivaji University, Kolhapur. ISBN: 978-81-908298-6-1.

RESEARCH PUBLICATIONS: (INTERNATIONAL JOURNAL - 12)

1. **Mrunalini N. Desai** and N.S.Chavan (2010). ANTIBACTERIAL ACTIVITY AND PHYTOCHEMICAL SCREENING OF *CYNOMETRA IRIPA* KOSTEL. International Journal Of Pharma And Biosciences. Natural Chemistry, Vol.1, Issue-3, **Impact factor: 0.67**
2. **Mrunalini N. Desai** and N.S. Chavan (2011). FATTY ACID PROFILE OF *CYNOMETRA IRIPA* KOSTEL FROM SEEDS AND LEAVES.. International Journal of Pharma.Research & Developments. Vol.2, Issue-11, **Impact factor: 2.076**
3. **Mrunalini N. Desai** and N.S.Chavan (2011).SALT TOLERANCE IN SEEDLINGS OF THE MANGROVE *CYNOMETRA IRIPA* KOSTEL. *International Journal of Applied Biology and Pharmaceutical Technology*, 2(1): 219-225. **Impact factor: 0.9860**
4. **Mrunalini N. Desai**, Priya D. Patil and N. S. Chavan (2011). ISOLATION AND CHARACTERIZATION OF STARCH FROM MANGROVES *Aegiceras corniculatum* (L.) Blanco and *Cynometra iripa* Kostel. *International Journal of Applied Biology and Pharmaceutical Technology*, 2 (1): 244-249. **Impact factor: 0.9860**
5. **Mrunalini N. Desai** and N.S.Chavan. (2011).SEASONAL VARIATION IN ORGANIC CONSTITUENTS FROM DIFFERENT PARTS OF *CYNOMETRA IRIPA* KOSTEL. *Plant Sciences Feed*, 1 (1): 6-9. **Impact factor: 3.378**
6. **Mrunalini N. Desai**, N.S. Chavan (2013). HABITAT OF *CYNOMETRA IRIPA* KOSTEL. ALONG WEST COAST OF MAHARASHTRA. International Journal of pharmaceutical Research & Developments.Vol 5(10): (007 – 013). **Impact factor: 2.01**
7. **Desai Mrunalini N.** and Chavan N.S. (2014). BIOACTIVE COMPOUNDS FROM SEED AND SEED COAT OF *CYNOMETRA IRIPA* A MANGROVE SPECIES. Universal Journal of Pharmacy 2014, 03 (06): Page 1-5. **Impact Factor: 3.43**
8. Sagar A. Deshmukh and **Mrunalini N, Desai (2017)**. FLORAL CHANGES IN *CLITORIA TERNATEA* L. International Journal of Scientific Research. June 2017 Vol. 6(6), Page: 447. **Impact Factor: 4.176**
9. **Mrunalini N. Desai**, N.S. Chavan (2017). ENERGY BUDGET OF A MANGROVE SPECIES: *CYNOMETRA IRIPA*. International Journal of Researches in Biosciences, Agriculture and Technology. Nov. 2017 Vol. V, Issue (3), Page: 255- 257.
10. **Mrunalini N. Desai** and Suryakant V. Maske (2022). ‘Giant African Snail - *Achatina Fulica* (Bowdich, 1822), A Nursery Pest from Kolhapur District (M.S.)’ Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences. Page:107-116. **Doi: 10.26479/2022.0802.05**

11. 'P. A. Sonar, V. B. Nalawade, **M. N. Desai** (2022). 'Plant Diversity at Katyayani Temple Area, Kolhapur. International Journal of Advanced Research In Science, Communication and Technology (IJARSCT) Vol.2, Issue 2, June 2022. **Impact Factor: 6.252** DOI: 10.48175/IJARSCT-4728.
12. V. B. Nalawade, M. P. Bhilave, **M.N. Desai** (2022). 'Total Lipid Alteration Gill and Muscle of Fingerlings of Freshwater Fish Labeo Rohita Fed on Formulated Feed'. International Journal of Advanced Research In Science, Communication and Technology (IJARSCT) Vol.2, Issue 2. **Impact Factor: 6.252** DOI: 10.48175/IJARSCT-4728.

PARTICIPATED AND PAPERS PRESENTED AT CONFERENCES/WORKSHOPS / SEMINARS / SYMPOSIUMS: (39)

1. XVII Annual Conference of Indian Association for Angiosperm Taxonomy and International Seminar on Changing Scenario in Angiosperm Systematic. - 19th -21st November, 2007.
2. National conference of Indian Woman Scientists' Association, Kolhapur Branch on "Biodiversity Conservation in India : Status and Approaches" - 8th-10th January, 2010.
 CONSERVATION OF SOME IMPORTANT SPECIES IN GARDENS OF KOLHAPUR CITY. **M. N. Desai**, D. S. Patil and N.S. Chavan
 CONSERVATION OF GYMNOSPERMS & PALMS IN GOPAL KRISHNA GOKHALE COLLEGE CAMPUS. P. D. Awate, **M. N. Desai** and T. S. Patil
 FLORA & FAUNA OF RANKALA. S. A. Deshmukh, P.D. Awate, **M. N. Desai** and T. S. Patil
 DIVERSITY IN *CYNOMETRA* SPECIES. **M. N. Desai** and N. S. Chavan
3. XXXIII Conference Of Indian Botanical Society And International Symposium.The New Horizons Of Botany. - 10th – 12th November, 2010.
 ISOLATION AND CHARACTERIZATION OF STARCH FROM MANGROVES *Aegiceras corniculatum* (L.) Blanco and *Cynometra iripa* Kostel. **Mrunalini N. Desai**, Priya D. Patil and N. S. Chavan
4. International Conference on "Multidisciplinary Approaches In Applied Geology" 20th – 21th January 2012.
5. International Conference on Emerging Trends in Basic and Applied Sciences - 10th March 2015.
6. International Conference on Challenges And Opportunities Before 21st Century India In The Fields Of Social sciences, Science, Management And Technology- 6-7 February,2016.

7. International conference on “Oppurtunities in the Maharashtra Agriculture for students and researcher based on the Israeli experience of innovation and entrepreneurship in agriculture.” 30th November, 2016.
8. Silver Jubilee national Conference on Mangrove Ecosystem in Association with CSIR-National institute of Oceanography, DonaPaula, Goa. 26th -27th July.
ESSENTIAL OIL COMPOSITION FROM DIFFERENT PARTS OF *CYNOMETRA IRIPA* KOSTEL. **M. N. Desai** and N. S. Chavan.
9. International Conference on “Innovative research in Science and Technology.” 7th and 8th November, 2017. IN VITRO SCREENING OF BACTERICIDAL PROPERTY OF *MEMECYCLON UMBELLATUM* CHOISS. T.G. Nagaraja and Mrs. **M. N. Desai**
10. National conference on “Multidisciplinary approaches in Life Science: Research and application for sustainable development (NCMALS 2018)”. 5th – 6th January 2018. *CYNOMETRA IRIPA: A POTENTIAL MANGROVE*. **M. N. Desai** and N. S. Chavan
11. International conference on “Materials and Environmental science [ICMES-2018] 7th and 8th December, 2018. ROLE OF PLANT TRAITS IN LEAF SURFACES HYDROPHOBICITY OF WETLAND PLANTS. **M. N. Desai**, N.V. Pawar and M.S. Nimbalkar
12. 1st International Twitter conference on “#NANOBIO 19”held at The New College, Kolhapur. 2nd - 5th April 2019. ROLE OF LEAF SURFACE NANOSTRUCTURES IN HYDROPHOBICITY OF WETLAND PLANTS. **M.N. Desai**, N.V. Pawar and M.S. Nimbalkar.
13. ‘Mangrove Awareness Programme’ organized by Botany Department (UGC-DRS-I-SAP) Shivaji University, Kolhapur and R.R. Gogate College of Arts and Science, Ratnagiri on 17th February, 2008
14. “Plant Identification : Its Role & Application” organized by Department of Botany, The New College, Kolhapur as a Lead College activity on 16th January, 2009
15. “Kharphuti janjagan karyashala” organized by Department of Botany, Shivaji University, Kolhapur and Sou Godutai Jambhekar Vidhlaya, Ratnagiri on 29th December, 2011
16. “Cultivation Practices For Food Crop Development with Nutritionally Rich Potential” organized by Gopal Krishna Gokhale College, Kolhapur as a Lead College activity Scheme, The New College Cluster, Shivaji University, Kolhapur on 16th March, 2012
17. “Sericulture: Business Opportunities” organized by Gopal Krishna Gokhale College, Kolhapur as a Lead College activity Scheme, on 18th December, 2014
18. “Krushu Paryatan Karyashala” organized by ‘Vivekanand College, Kolhapur’ as a Lead College activity scheme Gopal Krishna Gokhale College, Kolhapur cluster on 6th February, 2015.
19. “Rare, Endangered & Threatened (RET) Plants of Western Ghats” organized by Shri Shahaji Chhatrapati Mahavidyalaya, Kolhapur as a Lead College activity scheme Gopal Krishna Gokhale College, Kolhapur cluster on 4th September, 2015.

20. “Green Economics” organized by Rajarshi Chhatrapati Shahu College, Kolhapur as a Lead College activity on 12th January, 2016.
21. “Research Methodology for undergraduate students” organized by The New College, Kolhapur as a lead college activity on 6th October, 2016.
22. “Career Opportunities for Life Science Students” organized by Gopal Krishna Gokhale College, Kolhapur under the Lead college scheme on 16th December 2016.
23. “Bonsai for Connecting with the nature” organized by Kolhapur Bonsai Club- Kolhapur with Botany Department, Shivaji University-Kolhapur on 7th July 2017.
24. Science Academies lecture workshop on “Plant Sciences: Challenges and Opportunities” held at the New College, Kolhapur on 19th and 20th December 2017.
25. One Day National Seminar on “Revised Process of Assessment and Accreditation Frameworks of NAAC” organized by Internal Quality Assurance Cell, The New College, Kolhapur on 27th January, 2018.
26. One Day Workshop on “Revised syllabus of B. Sc. I Botany (Practical) as per CBCS” organized by Department of Botany, The New College, Kolhapur on 20th August, 2018.
27. Science Academies lecture workshop on “Systematics, conservation and Sustainable Development” held at Shri Shahaji Chhatrapati Mahavidyalaya, Kolhapur on 26th and 27th December 2018.
28. Shivaji University, Kolhapur workshop on C.B.C.S. 3rd July 2018 at The New College Kolhapur.
29. “Ayurvedic Nutrition” organized by CSIBER Trust’s College of Non- Conventional vocational courses for woman held on 21st august, 2018.
30. “Mushroom cultivation” organized by Rajarshi Chhatrapati Shahu College, Kolhapur, on 27th February, 2019.
31. National Conference on “Mangrove and Coastal Resources” organized by Department of Botany in association with Mangrove Society of India, Goa and Mangrove Foundation, Mumbai on 12th April 2019.
32. GIAN Programme on “Deployment of Allelopathy in Sustainable Agriculture” organized by Department of Botany, Shivaji University, Kolhapur on 27th September to 3rd October, 2019.
33. One Day Workshop on “ Biodiversity Conservation” organized by Department of Botany & B. Voc. Sustainable Agriculture Management, Gopal Krishna Gokhale College, Kolhapur, under Lead College Scheme, Shivaji University, Kolhapur on 17th February 2020.
34. Forth National Conference on “Recent Trends in pure and Applied Sciences (RTPAS- 2022) organized by Dr. Patangrao Kadam Mahavidyalaya, Sangli, on 21st and 22nd January, 2022. ‘Giant African Snail *Achatina Fulica* (Bowdich, 1822), A Nursery Pest from Kolhapur District (M.S.)’

35. One Day Interdisciplinary International Conference (Virtual) on “Narture Nature to strengthen the Future” organized by Indian Woman Scientists Association, Kolhapur Branch on 9th March, 2022.
36. National Conference on ‘COVID Pandemic: Impact on Sustainability of Agriculture, Livestock and Biodiversity (CPISALB-2022) organized by Dept. of Zoology, Shri Vijaysinha Yadav College, Peth Vadgaon, Dist. Kolhapur, on 25th and 26th March 2022. ‘Plant Diversity at Katyayani Temple Area, Kolhapur.’ P.A. Sonar, V. B. Nalawade, **M. N. Desai.**
37. ‘Total Lipid Alteration Gill and Muscle of Fingerlings of Freshwater Fish *Labe rohita* Fed on Formulated Feed’. V. B. Nalawade, M. P. Bhilave, **M. N. Desai.**
38. One day workshop on “National Education Policy (Higher Education) : Objectives and Implementation” organized by the Internal Quality Assurance Cell (IQAC) Shivaji University, Kolhapur on 25th July, 2022.
39. Teachers Training Programme on “Climate Education and Green Campuses for a Safer Planet” organized by Department of Botany & IQAC of Vivekanand College, Kolhapur (Autonomous) and Climate Reality Project India, on 16th September 2022.

RESOURCE PERSON / EVALUATOR:

- 1) Delivered lecture on “**Vegetative propagation techniques**” at Kundal Academy of Development, Administration and Management on 3rd November 2017.
- 2) Delivered lecture as Chief Guest on the occasion of the **Science Exhibition** at Chhatrapati Shahu Vidyalaya on 27th August 2018.
- 3) Worked as an Examiner in **48th Gardens competition** through the Gardens Club, Kolhapur at 20 – 22nd Oct. 2018.
- 4) Delivered lecture as Chief Guest on the occasion of the **Annual Function** at Sainik English Medium School, Senapati Kapashi on 5th January 2019.
- 5) Talk on “**Taxonomy of Angiosperms**” at Rajarshi Chhatrapati Shahu College, Kolhapur on 21st January 2019.
- 6) Worked as evaluator for 9th **District Level Inspire Award Competition** during 7th –9th January, 2020 at Shri. Balavantrao Yadav High School, Peth Vadgaon.
- 7) Worked as Examiner for **Floral Arrangement & Floral Rangoli Competition**, on the occasion of Karmaveer Jayanti, organized by Rajarshi chhatrapati Shahu College, Kolhapur on 21st September 2019.
- 8) Worked as **Examiner for National Childrens Science Congress (Maharashtra)** A programme of RVPSP, DST, Govt. Of India, New Delhi at Sha. Kru. Pant Walavalkar Highschool, Kolhapur. On 3rd December, 2021.

- 9) Worked as **Examiner for National Childrens Science Congress (Maharashtra)** A programme of RVPSP, DST, Govt. Of India, New Delhi at Sha. Kru. Pant Walavalkar Highschool, Kolhapur. On 16th November, 2022.

RESPONSIBILITIES HELD:

1. Secretary of, Kolhapur Branch for the period 2021-2023. *Indian Woman Scientist Association*
2. *BOS- Subcommittee* member in Sustainable Agriculture and Management at Gopal Krishna Gokhale College, Kolhapur.
3. *BOS- (Member of staff of the same faculty)* in Botany of Vivekanand College, Kolhapur (Autonomous) 2021-2024.
4. *BOS- (Member of staff of the same faculty)* in Plant Protection of Vivekanand College, Kolhapur (Autonomous) 2021-2024.
5. Worked as **Secretary** in Organization of One Day *Interdisciplinary International Conference* (Virtual) on “Nurture Nature To strengthen The Future” on 9th March 2022 in association with Indian Woman Scientist Association (IWSA) Kolhapur Branch.
6. Worked as Paper setter, Examiner in theory and practical at various colleges.

PERSONAL INFORMATION:

- Date of Birth : 23th June 1979
- Blood group : ‘ A ’ Rh Negative
- Gender : Female
- Mother tongue : Marathi
- Nationality : Indian
- Marital Status : Married
- Languages known : Marathi, Hindi, English
- Contact Number : 9403465204
- Permanent address : 1243/7 ‘E’ ward, Shivaji Udyamnagar, Kolhapur- 416 008.

TECHNICAL SKILL:

Experience of handling the instruments like

- Spectrophotometer,
- Colorimeter,
- Ultracentrifuge,
- Thin layer chromatography,
- Scanning electron microscopy,
- Gas chromatography-mass spectrometry (GC-MS)

COMPUTER SKILL:

- 1) Diploma in Computer Programming January 1998 to January 1999
- 2) TYPEWRITING. - English – w.p.m. - 40 – November 1996

CAREER OBJECTIVE:

To achieve the excellence at every facet of profession in Education field by pursuing perfection and honesty.

Date:

Place:

Dr. Mrunalini Nilesh Desai