



CURRICULUM VITAE

Dr. Vivek Rambhauji Narkhedkar

M.Sc. (Botany), NET-JRF, SET, Ph.D.

**Assistant Professor, Department of Botany,
Mahatma Jyotiba Fule Commerce, Science and Vitthalrao
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DR. VIVEK RAMBHAUJI NARKHEDKAR



OFFICE:

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RESIDENCE:

House no. 960, Ward No.4,
Shrikrushna Nagar, Behind Subhadra Tower,
In front Alphonsa School, Sawangi Meghe,
Wardha- 442107 (M.S.).

ACADEMIC CAREER

| Exam/Degree | Univ./Board | Date of Passing | Subject | Percentage/CGPA | Class / Grade |
|-------------------------|---------------------------------------|-----------------|---------------|----------------------|---------------|
| Ph.D. | PG Deptt. of Botany, SGBAU, Amravati. | 30/04/2019 | Botany | - | - |
| SET | Pune University | May 2016 | Life Sciences | - | - |
| NET | CSIR-UGC | Dec 2015 | Life Sciences | - | LS |
| NET | CSIR-UGC | June 2013 | Life Sciences | - | LS |
| NET | CSIR-UGC | June 2012 | Life Sciences | - | JRF |
| M.Sc. / Post-graduation | Dept. of Botany, S.G.B.A.U., Amravati | 06/08/2012 | Botany | 81.60% CGPA: 8.16 | I |

TEACHING EXPERIENCE

1. Under-Graduate level:

- **Current:** Department of Botany, M.J.F. Com. Sci. and V.R. Arts College, Bhatkuli, Amravati (Regular appointment from 17/12/2019 **to till date**).
- **Three Years:** As C.H.B. lecturer at Department of Botany, R.D.I.K and N.K.D. College, Badnera (Rly.), Amravati from 2016-17, 2017-18 to 2018-19.

2. Post-Graduate level:

- **Six Years:** As C.H.B. lecturer at PG Department of Botany, SGB Amravati University, Amravati from 2013-14, 2014-15, 2015-16, 2016-17, 2017-18, 2018-19 to 2019-20 (till date: 24/10/2019).
- **Four Years:** Remedial coaching classes sponsored by 'UGC XII Plan – Scheme of Remedial Coaching Classes for SC/ST/OBC (Non-Creamy Layer) & Minority Community Students' in Department of Botany, SGB Amravati University, Amravati from 2013-14, 2014-15, 2016-17 and 2017-18.

POST HELD

1. **IQAC Coordinator**, M.J.F. Com. Sci. and V.R. Arts College, Bhatkuli, Amravati (from 01/12/2021 **to till date**).
2. **Secretary**, Botany Research Consortium (Est. 2006) at PG Department of Botany, Sant Gadge Baba Amravati University, Amravati during 2016-17.

RESPONSIBILITIES / COMMITTEES

1. **Member, Admission Committee**, M.J.F. Com., Sci. and V.R. Arts College, Bhatkuli, Amravati (2020-21).

2. **Member, Editorial Committee**, National Conference on Plant Diversity: Past and Present, organized by Department of Botany, Sant Gadge Baba Amravati University, Amravati during December 30th – 31st, 2016.

EVENT/PROGRAM ORGANIZED

1. **Organizing Secretary**, National Webinar on Herbarium Techniques and International Code of Nomenclature on 5th August, 2021; organized by Department of Botany, M.J.F. Com., Sci. and V.R. Arts College, Bhatkuli, Amravati.
2. **Program Coordinator**, One Day Awareness Program on World Population Day, 11th July, 2021; organized by Department of Botany, M.J.F. Com., Sci. and V.R. Arts College, Bhatkuli, Amravati.
3. **Organizing Secretary**, e-Workshop and Entrepreneurship Opportunities in Mushroom, Aromatic and Medicinal Plant Cultivation during 29th-30th June, 2020; organized by Department of Botany, M.J.F. Com., Sci. and V.R. Arts College, Bhatkuli, Amravati.
4. **Program Coordinator**, Digital Photographic Quiz Contest during 26th-30th April, 2020; organized by Department of Botany, M.J.F. Com., Sci. and V.R. Arts College, Bhatkuli, Amravati.

ORIENTATION/REFRESHER/FACULTY DEVELOPMENT/SHORT TERM COURSES

1. **Refresher Course** in Life Sciences organized by UGC-HRDC, Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur from 05/09/2022 to 17/09/2022.
2. **Refresher Course** on “Research Methodology and Data Analysis” organized by Teaching Learning Center, Ramanujan College, University of Delhi, Delhi from 24/03/2021 to 07/04/2021 (Two Week) under the scheme of Ministry of Human Resource Development’s Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (MHRD-PMMMNMTT) and Indian Accounting Association, NCR Chapter.
3. **Orientation Course** organized by Teaching Learning Center, Ramanujan College, University of Delhi, Delhi from 04/06/2020 to 01/07/2020 (Four Week) under the scheme of Ministry of Human Resource Development’s Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (MHRD-PMMMNMTT).
4. **Faculty Development Program** on “Managing online classes and Co-creating MOOCs” organized by Teaching Learning Center, Ramanujan College, University of Delhi, Delhi from 20/04/2020 to 06/05/2020 (Two Week) under the scheme of Ministry of Human Resource Development’s Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (MHRD-PMMMNMTT).

BOOK / CHAPTER IN BOOK PUBLISHED

Book Published

1. Tidke JA, Rajurkar AV and **Narkhedkar VR** (2022) Pollen Morphology: Illustrations, Himalaya Publication House Pvt. Ltd., Mumbai. (ISBN: Accepted for Publication)
2. Deshmukh VP, Dhoran VS and **Narkhedkar VR** (2019) MCQs for M.Sc. Biotechnology Entrance Examinations, Himalaya Publication House Pvt. Ltd., Mumbai. (ISBN: 978-93-5367-757-2)
3. Deshmukh VP, **Narkhedkar VR** and Dhoran VS (2017) Objective Cytology and Genetics: A Competitive Approach, Himalaya Publication House Pvt. Ltd., Mumbai. (ISBN: 978-93-5273-175-6)

Chapter in Book Published

1. **Narkhedkar VR.** (2021) An Optimistic Utilization of Pollen as a Pollution Bioindicator; In: Khanuja P, Verma MR, Nath S, Kadam MS (Ed.), Agricultural Science: Research and Reviews Volume II, Bhumi Publishing, Kolhapur (MS). pp. 110-117. (ISBN: 978-93-91768-12-6)
2. **Narkhedkar VR,** Tidke JA and Chikhale NJ (2020) Indirect Androgenesis and Development of Haploids in *Catharanthus roseus* (L.) G. Don.; In: Umale PP and Koche DK, Current Updates in Life Sciences, Pandit Jawaharlal Nehru Study Center, Akola (MS). pp. 383-397. (ISBN: 978-81-923-621-82).
3. **Narkhedkar VR** and Kalbende SP (2020) The Consequences of COVID-19 Pandemic on Indian Education and The Way Forward; In: Tirkar AM and Golait WD, Effects of COVID-19 on Current Education System in India, Om Sai Publishers and Distributers, Akola (MS). pp. 166-174. (ISBN: 978-81-926-813-99)

E-CONTENTS / INNOVATIVE PEDOGOGY

1. YouTube channel: https://www.youtube.com/channel/UCHM_qPFt743-3Sj2IYFumNg
2. E-Contents: <https://sites.google.com/view/viveknarkhedkar>

RESEARCH

| | |
|----------------------------------|--|
| Title of the Ph.D. Thesis | : “ <i>In Vitro</i> Studies on Anther and Pollen Culture for Haploid Plant Regeneration” |
| Ph.D. Award | : Notification Number 103/2019 Date: 30 th April, 2019. |
| Name of the Guide | : Dr. J. A. Tidke (Former; Pro-Vice-Chancellor, Acting Vice-Chancellor) Retd. Prof. and Head, Department of Botany, Sant Gadge Baba Amravati University, Amravati, (M.S.) – 444602 |

| | | |
|---|---|-----------|
| Research Paper Published in International Journals | : | 05 |
| Research Paper Published in National Journals | : | 01 |
| Articles published in Journals/Magazine | : | 03 |
| Research Paper Presentation in International Conferences | : | 04 |
| Research Paper Presentation in National Conferences | : | 12 |
| National/International Conference attended | : | 02 |
| Workshops/ Training Program | : | 11 |

FELLOWSHIP/SCHOLARSHIP

- 1. Junior Research Fellowship-UGC (2013-2015)**
- 2. Senior Research Fellowship-UGC (2015-2018)**

Research Paper Published in International Journals

1. Rajurkar, A.V. and **Narkhedkar V.R.** (2022) Diversity Assessment in Some *Cassia* Species Based on Pollen Morphological Characters from Vidarbha Region of Maharashtra, India. *Annals of Plant Sciences*. 11(1): 4662-4669. (ISSN: 2287-688X)
2. **Narkhedkar V.R.**, Tidke J.A. and Chikhale N.J. (2021) Inductive effects of carbohydrates and plant regeneration via anther culture in Madagascar Periwinkle. *Advances in Zoology and Botany*. 9 (3): 65-70. (ISSN: 2331-5091)
3. **Narkhedkar V.R.** and Tidke J.A. (2016) Analysis of various pretreatments and 2,4-D concentrations on callus induction and high efficiency of haploids regeneration in *Catharanthus roseus* (L.) G. Don. *Am. J. PharmTech Res*. 6(4): 246-256. (ISSN: 2249-3387)
4. **Narkhedkar V.R.**, Tidke J.A., Chikhale N.J. and Bhusari S.N. (2016) Cold stress induced callogenesis from isolated anthers of *Catharanthus roseus* (L.) G. Don. *Int. J. Pharma. Bio. Sci.*, 7(2): 40-45. (ISSN: 0975-6299)
5. **Narkhedkar VR** and Manik SR (2013) Macrophytes as a heavy metal scavengers at MIDC effluent stream. *Int. J. of Life Sciences*, **1 (2)**: 149-153. (ISSN: 2320-964X)

Research Paper Published in National Journals

- 1. Narkhedkar VR**, Tidke JA, Bhasme KG and Vanjari RS (2013) Survey of airborne pollen grains and fungal spores in university campus. *Indian J. Aerobiol*, **26 (1&2)**: 45-55. (ISSN: 0971-1546)

Articles in National Magazines / Journals

- 1. Vivek R. Narkhedkar** (2020) **News Article**; Reducing Fertiliser Leaching (Modified Rice Straw Biochar). *Current Science*, 118 (7): 113-116. (ISSN: 0011-3891)
- 2. Vivek R. Narkhedkar** and Jaikiran A. Tidke (2019) Androgenesis: An Optimistic Breakthrough for Pharmaceutical Industries. *Science Reporter*, 56 (5): 12-13. (ISSN: 0036-8512)

3. **Vivek R. Narkhedkar** and Vishal P. Deshmukh (2016) First in Biotechnology. Science Reporter, 53 (9): 59. (ISSN: 0036-8512)

Research Paper Presentation in International Conferences

1. **Narkhedkar V.R.** Qualitative Analysis and Anti-bacterial Activity of Methanolic Leaf Extracts from Some Members of Family Lamiaceae, Multidisciplinary International e-Conference on 'Contribution of Various Aspects in Nation Building (CVAINB-2021)' organized by Department of English, Marathi, Sociology, History, Home economics, Commerce, Botany, Chemistry and Mathematics, Arts, Commerce and Science College, Maregaon from 11-13 October, 2021.
2. **Narkhedkar V.R.**, Tidke J.A. and Chikhale N.J., Indirect Androgenesis and Development of Haploids in *Catharanthus roseus* (L.) G. Don., International E-Conference on Innovative Research Trends in Life Sciences on December 03-05, 2020 at Shri Shivaji College of Arts, Commerce and Science, Akola (M.S.).
3. Vishal P. Deshmukh*, A. V. Rajurkar, P. A. Gawande, V. S. Dhoran, **V. R. Narkhedkar**, S Bondarkar, Evaluation of Foliar Trichome Diversity in the Genus *Cassia* L. using SEM, International Conference on Electron Microscopy and XXXVI Annual Meeting of the Electron Microscopy Society of India on July 08-10, 2015 at Cidco Convention Centre, Vashi, Navi Mumbai.
4. Rajurkar A. V., Tidke J. A. and **Narkhedkar V. R.***, An Assessment of Pollen Diversity in Some *Cassia* species Based on SEM Studies, International Conference on Electron Microscopy and XXXVI Annual Meeting of the Electron Microscopy Society of India on July 08-10, 2015 at Cidco Convention Centre, Vashi, Navi Mumbai.

Research Paper Presentation in National Conferences

1. **Narkhedkar VR** and Tidke JA. Differential Androgenic Induction Responses in *Catharanthus roseus* (L.) G. Don. Under the Influence of Variable Carbon Source. Recent Innovations in Agri-Bioscience in Strengthening the Indian Economy: Challenges & Prospects and Farmers Meet organized by Dept. of Botany and Dept. of Commerce, Dr. Ambedkar College, Nagpur in association with ICAR-Central Institute for Cotton Research, Nagpur on 1st Feb., 2020.
2. Hinge V, Tidke JA, **Narkhedkar VR**, Das B, Bhute S, Parab P and Apte K. Air Pollution Exacerbates effect of Allergenic Pollen Proteins of *Cassia siamea*: A Preliminary Report. XX National Conference on Aerobiology- "Airborne Pollen and Spores: Assessment, Impact and Scope" (NCIAS) organized by Department of Botany, SGB Amravati University, Amravati, during January 29th-31st, 2018.
3. **Narkhedkar VR**, Tidke JA and Chikhale NJ. Differential Androgenic Induction Efficiencies of Microspore Developmental Stages In *Catharanthus roseus* (L.) G. Don. XX National Conference on Aerobiology- "Airborne Pollen and Spores:

Assessment, Impact and Scope” (NCIAS) organized by Department of Botany, SGB Amravati University, Amravati, during January 29th-31st, 2018.

4. Rajurkar AV, Tidke JA and **Narkhedkar VR**. Pollen Morphodiversity in Some Genera of Family Euphorbiaceae, Silver Jubilee National Conference on Plant Diversity: Past and Present (PDPP) organized by Department of Botany, SGB Amravati University, Amravati, during December 30th – 31st, 2016.
5. **Narkhedkar VR**, Tidke JA and Chikhale NJ. Inductive Effect of Different Carbohydrates on Callus Induction in Anther Culture of Madagascar Periwinkle, Silver Jubilee National Conference on Plant Diversity: Past and Present (PDPP) organized by Department of Botany, SGB Amravati University, Amravati, during December 30th – 31st, 2016.
6. A. V. Rajurkar , J. A Tidke and **V. R. Narkhedkar***, Pollen morphodiversity in some genera of family Bignoniaceae, National Conference on Advances and Innovations in Plant Sciences (NCAIPS-2016) on 29th Feb. & 1st March 2016 at Govt. Vidarbha Institute of Science and Humanities, Amravati in collaboration with Deptt. of Botany, Sant Gadge Baba Amravati University, Amravati.
7. **Vivek R. Narkhedkar**, J. A. Tidke and N. J. Chikhale, Influence of various pretreatment on callus induction in anther culture of *Catharanthus roseus* (L.) G. Don., 37th Annual Meeting of Plant Tissue Culture Association (India) & National Symposium on ‘Plant Biotechnology for Crop Improvement’ on February 25-27, 2016 at Tissue Culture and Transformation Laboratory, CSIR- National Botanical Research Institute, Lucknow.
8. Rajurkar A. V., J. A Tidke and **V. R. Narkhedkar***, Pollen morphological studies in some genera of Family Lamiaceae, 37th All India Conference of Indian Botanical Society and National Symposium on Biodiversity and Climate change on November 07-09, 2014 at V.G. Vaze College of Arts, Science and Commerce, Mulund (East), Mumbai.
9. **Narkhedkar V.R.**, Tidke J.A. and Bhusari S.N., Cold Stress Induced Androgenic Callogenesis in *Catharanthus roseus*, National Conference on “Advances in Biotechnology for Sustainable Agriculture” on June 20-21, 2014 at Shri Shivaji College of Agricultural Biotechnology, Amravati.
10. **Narkhedkar V.R.** and Manik S.R., Biosorption of Heavy Metals by Macrophytes Vegetation Present at MIDC Effluent Stream, National Conference on Advances in Life Sciences: Present and Future, held on January 11th and 12th 2013, at Vidyabharati Mahavidyalaya, Camp, Amravati.
11. **Narkhedkar V.R.**, Tidke J.A., Bhasme Kirti G. And Vanjari Rakhi S., Survey of Airborne Pollen Grains and Fungal Spores in University Campus of Amravati, 17th National Conference of Indian Aerobiological Society on Impact of Airborne Microbes December, 13th to 15th 2012, at MIT Pune.
12. Manik S.R. and **Narkhedkar V.R.***, Heavy Metal Resistivity of Fungal Biomass Isolated from Steel Industry Effluent Site, National Conference on “Mycodiversity with its Sustainable Exploration and Biotechnological Applications and 38th

Annual Meeting of Mycological Society of India” held on 6th -7th Feb. 2012, at Amravati.

National/International Conferences Attended

1. International Conference on COVID-19: Roadmap to Future Environment organized by Department of Botany, St. John’s College, Agra (U.P.), India on 5th June, 2020.
2. International symposium and XXII annual conference of Indian Association for Angiosperm Taxonomy on Innovative prospects in Angiosperm Taxonomy (ISIPAT-2012), on October 28-30, 2012 at Department of Botany, Sant Gadge Baba Amravati University, Amravati (M.S.).

Workshops/Training Program

1. Training program on ‘National Intellectual Property Awareness Mission’ organized by Intellectual Property Office, India on 14/02/2022.
2. Online Workshop on Intellectual Property Rights (IPR) on 20th January 2021 organized by Internal Quality Assurance Cell (IQAC) & Research Assessment Committee (RAC) of Shri Shivaji College of Arts, Commerce & Science, Akola in Collaboration with IPR Cell (Sponsored by RGSTC, Mumbai) Sant Gadge Baba Amravati University, Amravati.
3. Online National Level Workshop on “LMS E-Content Development” on 16th and 17th May, 2020 organized by the IQAC and Department of Computer Science of Bhusawal Arts, Science & P. O. Nahata Commerce College, Bhusawal.
4. Workshop on Science Writing: Structure and Content from 10th March to 17th March, 2020 organized by Current Science Association, Bengaluru in collaboration and held at Bharthidaskan University, Tiruchirapalli (Tamilnadu).
5. Workshop and Basic Bioinformatics Tools and Techniques on March 28-29, 2016 sponsored by DBT, New Delhi at Deptt. of Biotechnology, SGB Amravati University, Amravati.
6. National workshop on ‘Scientific/Research Paper Writing’ on March 04-05, 2016 jointly organized by The National Academy of Science, India and Sant Gadge Baba Amravati University, Amravati at Deptt. of Chemistry, Sant Gadge Baba Amravati University, Amravati.
7. Training Course on “Classical and Modern Methods in Plant Taxonomy and Biosystematics” on October 29-November 4, 2015 at CSIR-National Botanical Research Institute, Lucknow (U.P.).
8. Pre-Conference Workshop for Life Sciences on “Role of Electron Microscopy in Biological and Medical Sciences” on July 06-07, 2015 held at IIT (Pawai) Bombay organized by Electron Microscope Society of India (EMSI), West Zone Chapter Mumbai.

9. Actively participated in Summer Training Program (STP-2010) held on 10th -15th May 2010 organized by Department of Botany, Hislop College, Nagpur.
10. Participated in the One Day Workshop on “Research Methodology”, at Sant Gadge Baba Amravati University, Amravati on Feb. 22nd 2011.
11. Participated in the Bioinformatics workshop on “Commercial Aspects of Bioinformatics, DNA Fingerprinting, Forensic Science” held on 27th -29th May 2009, at Pathway Institute of Biotechnology (and Bioinformatics Institute of India, Noida, Delhi), Indore (M.P.).

INVITED TALKS

1. **Guest Lecture and Inaugurator** on the occasion of ‘Inauguration of Botanical Society-2022-23’ at Dept. of Botany, Indira Gandhi Kala Mahavidyalaya, Ralegaon on 3rd September, 2022.
2. **Guest Lecture** in One Day Invited Talk Program on ‘Polymerase Chain Reaction’ organized by Department of Botany, Shri Shivaji Art, Commerce, Science College, Motala, Dist. Buldhana on 11th May, 2022.
3. **Resource Person** on the topic ‘Carbon Metabolism in Plants’ for the ‘Online Guest Lecture’ at Dept. of Botany, Indira Gandhi Kala Mahavidyalaya, Ralegaon on 8th January, 2022.
4. **Resource Person** for Workshop on Recent Trends of Examination for Undergraduate Students (B.Sc.) organized by Dept. of Botany, Chemistry and Physics J.D. Sangludkar Mahavidyalaya, Daryapur, Amravati from 22nd – 24th March, 2021.
5. **Resource Person** for topic ‘Carbon Metabolism in Plants’ in ‘Guest Lecture Series’ at Dept. of Botany, Shri Shivaji Science and Arts College, Chikhali on 11th February, 2021.
6. **Guest Lecture** in National Workshop on CSIR-UGC NET/JRF Preparation in Life Sciences on the topic “Conformations of Nucleic Acids” organized by An Online Platform for the Students of Life Science, Botany4U from September 21st to 23rd, 2020.
7. **Guest Lecture** in National Workshop on CSIR-UGC NET/JRF Preparation in Life Sciences on the topic “Molecules and their Interaction: The Beginning of Life” organized by An Online Platform for the Students of Life Science, Botany4U from July 21st to 25th, 2020.
8. **Resource Person** “Webinar Series on Preparation of Competitive Exams in Life Science” organized by Department of Botany and IQAC, Shri Shivaji College of Arts, Commerce and Science, Akola (MS) during 26th May 2020 to 31st May 2020.
9. **Guest Lecture** on the occasion of National Science Day celebration on February 28, 2020 on the topic “Protein Structure and Ramachandran Plot” at Department of Botany, Bar. R.D.I.K. and N.K.D. College, Badnera, Amravati.

- 10. Guest Lecture** on the concluding program of National Science Day celebration on March 4, 2014 on the topic "Protein Sorting and Trafficking" by Botanical society and Natures Club, Department of Botany, Bar. R.D.I.K. and N.K.D. College, Badnera, Amravati.

AWARDS/ PRIZES/ ACHIEVEMENTS

- 1. Third Prize** in Teachers Category for **Research Paper presentation (Oral)** at International E-Conference on Innovative Research Trends in Life Sciences on December 03rd-05th, 2020 at Shri Shivaji College of Arts, Commerce and Science, Akola (M.S.).
- 2. Third Prize** for **Research Paper presentation (Poster)** at XX National Conference on Aerobiology- "Airborne Pollen and Spores: Assessment, Impact and Scope" held on January 29th-31st, 2018 at Department of Botany, SGB Amravati University, Amravati.
- 3. P.H. Gregory Award of Indian Aerobiological Society, India** for Research Paper presentation at XX National Conference on Aerobiology- "Airborne Pollen and Spores: Assessment, Impact and Scope" held on January 29th-31st, 2018 at Department of Botany, SGB Amravati University, Amravati.
- 4. Best Research Paper Presentation Award (Oral)** at National Conference on Advances in Life Sciences: Present and Future, held on January 11th and 12th 2013, at Vidyabharati Mahavidyalaya, Camp, Amravati.
- 5. University Third Merit** in M.Sc. (Botany) at Sant Gadge Baba Amravati University, Amravati for the session 2010-11 and 2011-12.
- 6. Third Prize** National Science Day-2011; International Year of Chemistry, Theme: Chemistry in our Lives at SGB Amravati University, Amravati.
- 7. Second Prize**, UGC Sponsored University Level Seminar Competition-2009, on Chemical Shift in NMR Spectroscopy at Bhartiya Mahavidyalaya, Amravati.

SEMINAR PRESENTATIONS

- Interuniversity Best Seminar Competition in Collaboration with Indian Science Congress (Nagpur Chapter) 2012, on **Marvels of Physiology**, (Participation), at Govt. Vidarbha Institute of Science and Humanities, Amravati.
- National Science Day-2011; International Year of Chemistry, **Theme: Chemistry in our Lives, (Third prize)**, at SGB Amravati University, Amravati.
- UGC Sponsored University Level Seminar Competition-2009, on **Chemical Shift in NMR Spectroscopy, (Second prize)**, at Bhartiya Mahavidyalaya, Amravati.

SEMINARS ATTENDED

- Seminar cum Training program on '**Research and Conservation of Biological Resources and the Biological Diversity Act-2002**' on January 22nd, 2016 at

Deptt. of Botany, SGB Amravati University in collaboration with Satpuda foundation and Maharashtra State Biodiversity Board.

2. National Seminar on **Trends in Nanobiotechnology**, January 04, 2013 at Department of Biotechnology under UGC-SAP (DRS-I), Sant Gadge Baba Amravati University, Amravati.
3. Seminar on **Eco Diversity and Its Management** February 29, 2012 at Department of Botany in Collaboration with Botany Teachers Association, SGB Amravati University, Amravati.

EXTRA-CURRICULAR ACTIVITIES

1. **Passed Chemistry Talent Search Examination**, organized by Dept. of Chemistry, Moolji Jaitha College, Jalgaon held by 2007-08.
2. Certificate of **Gold Medal**, Avantika International Talent Search Painting Competition, 2004.
3. Certificate of **Gold Medal**, Avantika International Talent Search Painting Competition, 2003.
4. **Rajya Purskar**, Maharashtra Rajya Bharat Scouts and Guides, 2003.

MEMBERSHIP

1. **Life Member**, Electron Microscopy Society of India (LM No.: 1085).
2. **Life Member**, Indian Aerobiological Society of India (LM No.: 1464).