

CURRICULUM VITAE (CV)



Prof. / Dr.: Bhagat Rani Babanrao)
Assistant Professor

1. Personal details

| | | |
|--|------------|---|
| Full name (in <i>Devnagari</i> script) | : | Bhagat Rani Babanrao |
| Father Name (full) | : | Bhagat Babanrao Krishna |
| Date of Birth and Place | : | 07/06/1979 , Place- Hol (8-Phata) |
| Gender | : | Female |
| Religion | : | Hindu |
| Domicile | : | Maharashtra |
| Nationality | : | Indian |
| Marital status | : | Unmarried |
| Name of Department | : | Botany |
| Office Details | Address | : Pune District Education Association's Baburaoji Gholap College, Sangvi, Pune 411027, Maharashtra. |
| | Phone No.: | : +91 020 27280204 |
| | Fax No.: | : +91 020 27281722 |
| | Website | : www.bgc.pdeapune.org http://www.pdeabgcollege.edu.in |
| E-mail address | : | bgc_sangvi@pdeapune.org |
| Address for Correspondence | : | A/P-Hol (8-Phata), Tal-Baramati, Dist-Pune Pin 412306 |
| Residential / Permanent Address | : | A/P-Hol (8-Phata), Tal-Baramati, Dist-Pune Pin 412306 |
| E-mail Address | : | raanibhagat@gmail.com |
| Mobile No. | : | 9975075024 |
| Aadhaar Card No. | : | |
| Pan Card No. | : | AYFPB3857K |

2. Educational Qualifications

| Examinations | Name of Board / University | Month and Year of passing | Percentage of marks obtained | Division/ Class / Grade | Subject(s) |
|--|----------------------------|---------------------------|------------------------------|-------------------------|----------------------------|
| High School / Matric (S.S.C.) | Maharashtra State Board | March 1994 | 57 | Second | Mar, H-SK, Eng, MSSOC.SCI, |
| Intermediate (H.S.C.) | Maharashtra State Board | March 1996 | | Higher Second | PCB |
| Undergraduate (B.A./B.Sc./ B.Com./B.Sc. Comp./B.C.A./ B.Voc./B.P.Ed. etc.) | University of Pune | 1999 | 76.6 | Distinction | Botany |
| Postgraduate M.A./M.Sc./ M.Com./ M.P.Ed./ M.Lib./ M.Sc. Comp./M.C.A. | University of Pune | 2001 | 63.4 | First | Botany |
| Any Other | | | | | |

3. Qualifications related to Research

| Degree | Name of University | Title of Research Topic | Name of Research Guide | Date of award |
|----------|---|--|------------------------|---------------|
| M. Phil. | Alagappa University, Karaikudi, Tamilnadu | Floristic survey of Baramati Thasil from Pune District | Dr. V. B. Shimpale | 2008 |
| Ph.D. | Savitribai Phule Pune University | Studies on some <i>Jatropha</i> species for potential values | Dr. D. K. Kulkarni | Oct. 2018 |

4. Job Profile

| Sr. No. | Designation | Name of Employer | Period | | Pay Scale | Grade Pay | Reason of leaving |
|---------|---------------------|---------------------------------------|-----------|-----------|-------------|-----------|----------------------|
| | | | From | To | | | |
| 1. | Lecturer | Shardabai Pawar College, Shardanagar, | Aug. 2001 | Nov. 2004 | 3,500 | - | Temporary post |
| 2. | Research Student | Agharkar Research Institute, Pune | 2005 | Oct. 2010 | 11,500 | - | Temporary post |
| 3. | Research Associate | CSIR, New Delhi at ARI | Dec. 2010 | Nov. 2011 | 22,000 | - | Temporary fellowship |
| 4. | Assistant Professor | Baburaoji Gholap College | Nov. 2011 | Till date | 15600-39100 | 7000 | Permanent |

5. Teaching and Research Experience

| Sr. No. | Type | Level | Period | | Total Experience (mm/yy) |
|---------|----------|---------------|-----------|-----------|--------------------------|
| | | | From | To | |
| 1. | Teaching | Undergraduate | Aug. 2001 | Nov. 2004 | 3 yrs. & 4 months |

| | | | | | |
|----|----------|---------------|-----------|-----------|-------------------|
| 2. | Teaching | Undergraduate | Nov. 2011 | Till date | 7 yrs. & 6 months |
| 3. | Teaching | Postgraduate | - | - | - |
| 4. | Research | Post PG | 2005 | Till date | 15 years |

6. Approval and Recognition

| Sr. No | Approval/ Recognition | Name of University | Period | | Temporary/ Permanent | Letter No. | Date of Approval |
|--------|---|--------------------|--------------|--------------|----------------------|-----------------------|------------------|
| | | | From | To | | | |
| 1. | Teacher Approval | SPPU | 28/11/2011 | - | Permanent | CCO/App. Camp/104 | 21/12/2011 |
| 2. | Principal Approval | - | - | - | | | |
| 3. | PG Recognition | SPPU | 22 July 2014 | July 2022 | Temporary | BUTR/Science/08/57 | 13/1/2015 |
| 4. | M.Phil. and/or Ph.D. Guide Recognition Botany | SPPU | 22 July 2014 | July 2022 | Temporary | BUTR/Science/08/57 | 13/1/2015 |
| 5. | M.Phil. and/or Ph.D. Guide Recognition Env't. Science | SPPU | 7 Sept. 2018 | 6 Sept. 2026 | Temporary | BOD/Sci & Tech/02/127 | 11/5/2019 |
| 6. | Other Recognition(s) | - | - | - | - | - | - |

7. Participation in Academic Committee

| Sr. No. | Name of Academic Committee | Designation | Work done |
|---------|-----------------------------|--------------|--|
| 1. | Student Welfare Board | Member | Organized Nirbhay Kanya Abhiyan |
| 2. | IQAC-Criteria III | Co-ordinator | Completed AQAR and helped IQAC since 2011 Publication of Compendium of Research Papers |
| 3. | Campus enrichment | Co-ordinator | Developed Botanical Garden Landscape development of college campus Department enrichment |
| 4. | Science Association | Co-ordinator | Organized Science exhibition Plastic awareness and Biodiversity awareness activity |
| 5. | Academic Research Committee | Member | Carried out research projects and presentation in Avishkar |
| 6. | Academic calendar | Member | Compiled academic calendar of department and college |
| 7. | College Magazine | Member | Compiled information |

| | | | |
|----|----------------------|------------------------|---|
| 8. | DBT –Star | Assistant Co-ordinator | Motivated and completed research projects and presentation various colleges |
| 9. | Unnat Bharat Abhiyan | Member | Cleanliness campaign in villages |

8. Participation in Academic Bodies / Committee at SPPU, Government level

| Sr. No. | Name of Academic Body | Designation | Purpose |
|---------|--|----------------------------|---|
| 1. | Member syllabus framing committee | Member | Design T.Y.B.Sc. Botany curriculum |
| 2. | S.Y.B.Sc. Practical Exam Pune District | Co-ordinator | Planning, execution and smooth conduction of S.Y. Practical exam |
| 3. | Maharashtra State Biodiversity Board (Nagpur) | Grass Expert Pune Division | To check the Biodiversity register of villages from Pune district |

9. Co-curricular and Extra-Curricular Activities

| Sr. No. | Name of Co- and Extra-Curricular Activity | Details of Activity | Date |
|---------|---|---|---------------|
| 1. | Delivered lecture on: All India Radio Pune | Topic “Jaivik Indhan ani paryayi srotancha upayog” | 2 Feb. 2008. |
| 2. | Lecture on: All India Radio Akola Akashwani Kendra | Topic “Kharach Pralaya hoil ka?” | 5 June 2008. |
| 3. | Lecture on: All India Radio Pune on topic” | Topic “Jagtik Tapman wadh: Sadhya sthiti | 13 June 2008. |
| 4. | Discussion on “Flora of Baramati” at All India Radio Pune | “Flora of Baramati” | 16 Jan.2009 |
| 5. | Discussions on “Flora of Baramati” at Vidyawani, Pune University on | Flora of Baramati” | 18 Jan.2009 |
| 6. | Article on : “Flora of Baramati” (in Brail) | Flora of Baramati” (in Brail) published in issue of ‘Sparshdyan’ Kolhapur | Oct. 2009 |

10. Membership

| Sr. No. | Name of Membership | Name of GO / NGO / Institute | Period | | Letter Reference No. | Date |
|---------|---|------------------------------------|--------|-----------|----------------------|----------|
| | | | From | To | | |
| 1. | Life member of Indian Association for Angiosperm Taxonomy (IAAT), Calicut, India. | Botanical Survey of India, Calicut | 2006 | Till date | - | Nov 2006 |

11. Faculty Development Program Attended

| Name of the Course / Summer School | Organizing Agency | Sponsoring Agency | Duration | | | Grade obtained |
|------------------------------------|-------------------|-------------------|----------|----|---------------------|----------------|
| | | | From | To | Total Period (days) | |

| | | | | | | |
|-----------------------------|--|---------------------|-----------------------------|-----------------------------|-----------|------|
| General Orientation course | Academic Staff College, Goa University, Goa during | UGC, Goa University | 1 st Nov. | 28 th Nov. 2014 | 28 | A |
| Refresher course | Academic Staff College, RTMU, Nagpur | Self | 11 th Nov. 2016- | 1 st Dec. 2016 | 21 | A |
| Refresher course | Refresher course held at Academic Staff College Bangalore University | Self | 7 th March | 27 th March 2019 | 21 | A |
| Faculty Development Program | Modern College Ganeshkhind. to | SPPU | 25 th Nov | 1 st Dec. 2020 | 07 | - |
| Swayam | 4 credit Swayam online course Solid and Waste Management | Self | July | Oct 2019 | 04 Months | Pass |
| Faculty Development Program | MHRD Madan Mohan Malaviya National Mission on Teachers and Teaching | NA | 8 th June | 14 th June 2020 | 1 week | - |
| Faculty Development Program | Swami Ramanand Teerth University, Nanded | SELF | 11 May 2020 | 16 th May 2020 | 1 week | - |
| Faculty Development Program | Shardabai Pawar Mahila Mahavidyalaya, Shardanagar Baramati | SPPU | 15 th June 2020 | 20 th June 2020 | 1 week | - |

12. Seminar / Workshop / Symposia / Training Program attended

| Sr. No. | Name of Seminar / Workshop/ Conference/ Symposia | District / State / National / Internation | Organized by | Sponsored by | Date (s) |
|---------|---|---|--|--|--------------------------------|
| 1. | Electronic Herbarium and Digital Database Preparation , | National | Institute of Science, Mumbai during Attended National level workshop | Self | 10-11 Feb.2005. |
| 2. | "Grass Systematics" | National | Botany Deptt. Kolhapur during | DST, New Delhi & Shivaji University | 5-9 March 2007. |
| 3. | "Modern Analytical Techniques" held at | State | Chemistry Deptt., Nawrosjii Wadia College, Pune | Self | 8-10 Jan.2008. |
| 4. | "Traditional and Modern approaches in Plant Taxonomy" , Bengaluru organized by | National | Dept. of Biotechnology Sir MVIT Institute of Technology and supported | Dept. of Sciences and Technology, GOI , | Feb. 15-26 Feb. 2010 |
| 5. | "Botanical Latin" | National | Botanical Survey of India, Coimbatore, GOI | Self | 17- 24 Jan. 2011. |
| 6. | "Social Responsibilities of Corporate Sector and It's Impact on Society (SRCS-2012)" | State | ACS College, Pirangut, Mulshi | ACS | 3-4 th Feb. 2012. |
| 7. | "Botanical Nomenclature course" organized by, Howrah | National | Botanical survey of India , GOI , Ministry of Environment and Forest and ENVIS center on floral diversity | Self | 11-13 th Jan. 2013. |
| 8. | "Framing of F.Y. B.Sc. Botany New syllabus" | District | Anantrao Pawar College, Pirangut, Tal. Mulshi | ACS | 16 th Jan. 2013. |

| | | | | | |
|----|---|---------------|---|-----------------|----------------------------------|
| 9. | Workshop on Restructuring of S.Y.B.Sc. Botany practical syllabus | District | Wadia college 2014 | Self | |
| 10 | Seminar on Biological Terminology in Regional Language Marathi organized by during | National | R.P. Gogte College of Arts & Science & R.V. Joglekar college of Sci. at Ratnagiri & Commission for Scientific & Technical Terminology by Ministry of HRD, Dept. of Higher Education held at | HRDC, Delhi | 23-24 th Dec. 2014 |
| 11 | Workshop on Framing of new T.Y.B. Sc. Syllabus at Ahmednagar on as a sub-committee member of T.Y.B. Sc. syllabus. | District | Radhabai Kale Womens College | Self | 28 th Jan. 2015 |
| 12 | “Recent trends in plant science” | State | Baburaoji Gholap College Sangvi | Self | 9 th January 2015. |
| 13 | New T.Y.B.Sc. Restructuring of T.Y.B.Sc. Botany practical | District | Abasaheb Garware College, Pune | Self | 5 th Dec. 2015. |
| 14 | Seminar on “Biodiversity & Environment” held at on. | State | Late Kisandas Gulabchand Kataria College, Daund | Self | 25 th Jan. 2016 |
| 15 | Botanical Nomenclature Course | National | Botanical Survey of India, Pune | Self | 9-12 th Feb. 2017 |
| 16 | Understanding and exploring the interfaces between biology and biotechnology | State | Modern College, Ganeshkhind | DST | 1-3 rd Nov. 2017 |
| 17 | Botanical Nomenclature session held at Shenzhen, China | International | IBC Shenzhen, China | SERB, New Delhi | 17 to 21 st July 2017 |
| 18 | CBCS system for F.Y.B.Sc | District | Sonai College Ahmednagar | self | 3 rd Sept. 2019. |
| 19 | Research Methodology | International | Wilson College, Mumbai | self | 9-15 th May 2020 |
| 20 | | | | | |

13. Paper presented in Research Convention

| Sr. No. | Title of Research Paper | Author s | Name of Seminar / Workshop/ Conference / Symposia | District / State / National / International | Organize d by | Sponsore d by | Date(s) |
|---------|--|----------|---|---|---------------|---------------|---------|
| 1. | All oral and poster presentations are given at end | | | | | | |
| 2. | | | | | | | |

14. Invited Lectures / Resource Person

| Sr. No. | Title of Lecture / Talk | Name of Seminar / Workshop/ Conference/ | District / State / National / International | Organize d by | Sponsore d by | Date |
|---------|-------------------------|---|---|---------------|---------------|------|
| | | | | | | |

| | | | | | | |
|----|--|--|----------|--|------|-----------------------------|
| 1. | Biodiversity, Conservation & Cultivation of Medicinal Plants & Medicinal Grasses | NSS Camp | State | Prof. Ramkrishna More College, Akurdi | SPPU | 25 th Feb 2015 |
| 2. | Biodiversity of Western Ghats and its Economic potential | NSS Camp | State | SPPU | SPPU | 10 th June 2017. |
| 3. | Conservation of Biodiversity and its values- A Case study of Mulshi (NWG) | In situ Biodiversity Conservation | State | D.J. Malpani College, Sangamner | SPPU | 20 Dec. 2018 |
| 4. | Conservation of Biodiversity | DBT-STAR Scheme | Local | Pe'S Education Societys Modern College, Ganeshkhind, Pune-07 | SPPU | 1 ST Jan. 2020 |
| 5. | Impact of developmental activities on land use, biodiversity and conservation in Mulshi watershed catchment area using Remote sensing techniques | seminar on: Advances in Life Sciences held at on | State | E.S. College Varvand | SPPU | 18 th Feb. 2020. |
| 6. | Floristic diversity and impact assessment in Mulshi Watershed catchment area, Northern Western Ghats (NWG) | National Webinar | National | Raje Ramrao Mahavidyalay a Jath Dist. Sangli | SUK | 5 th June 2020 |
| 7. | Avenues in Biodiversity Conservation | National Webinar | National | T.C.. College, Baramati | SPPU | 13 th June 2020 |

15.Seminar / Workshop / Symposia /Training Program organized

| Sr. No. | Title of Program | State / National / Internation | Sponsored by | Program Designation * | Date |
|---------|------------------|--------------------------------|--------------|-----------------------|------|
| 1. | - | - | - | - | - |

*Convener / Chairman / Organizing Secretary / Coordinator

16.Research area / Expertise

| Sr. No. | Domain | Detail of Research Expertise |
|---------|------------------------------|---------------------------------|
| 1. | Angiosperm Taxonomy | Project, Books, Research Papers |
| 2. | Phytochemistry | Research Papers-Ph.D. work |
| 3. | Entomology | Research Papers- Ph.D. work |
| 4. | Pharmacognosy & Pharmacology | Research Papers- Ph.D. work |

D. Journal

| Sr. No. | Title of Research paper | Authors | Title of Journal | Vol. and Issue No. | Year and page no. | ISSN No. | Publisher | National / International | Peer Reviewed / UGC Care listed | Impact factor | Indexing |
|---------|-----------------------------|---------|------------------|--------------------|-------------------|----------|-----------|--------------------------|---------------------------------|---------------|----------|
| 1. | All papers are given at end | | | | | | | | | | |

E. Patent

| Sr. No. | Title of Invention | Name of Inventors | Field of Invention | Date of filing / approved | Publication date | Nature (Indian/US etc) | Patent Number |
|---------|--------------------|-------------------|--------------------|---------------------------|------------------|------------------------|---------------|
| 1. | - | - | - | - | - | - | - |

18. Research Guidance

| Sr. No. | Name of Student Registered for M.Phil. / Ph.D. degree | Name of Degree M.Phil. / Ph.D. | Research Topic | Name of Research center & University | Date of Registration | Date of Award |
|---------|---|--------------------------------|---|---------------------------------------|----------------------|---------------|
| 1. | Ms. Asha Pokharkar (Botany) | Ph. D.-Guide | Nutritional Potential of Wild flower vegetables | Prof. Ramkrishna More College, Akurdi | 28/03/2018 | - |
| 2. | Mr. Kishore Saste (Botany) | Ph. D.-Guide | Floristic diversity of Maval watershed catchment area and impact study | Prof. Ramkrishna More College, Akurdi | 28/03/2018 | - |
| 3. | Ms. Vaishali Shitole (Microbiology) | Ph. D.-Co-guide | Bioprospectives of Microflora of Endemic Plant species for sustainable Agriculture | T.C. College, Baramati | 13/03/2018 | - |
| 4. | Ms. Tanuja V. Taru | Ph. D.-Guide | Screening of potent Rhizospheric Microbes for Alleviation of abiotic stress for sustainable agriculture | Prof. Ramkrishna More College, Akurdi | 2022-23 | - |
| 5. | Ms. Vanita R. Shinde | Ph. D.-Guide | Study of microorganism from different sites for degradation of herbicide residue | Prof. Ramkrishna More College, Akurdi | 2022-23 | - |

19. Sponsored / Consultancy Projects

| Sr. No. | Title of Project | Name of Funding Agency | Duration Major / Minor | Grant Mobilized (Rs. Lakh) | Facility Generated (if any) (Outcome) |
|---------|---|------------------------|------------------------|----------------------------|---|
| 1. | Floristic and Ecological survey of Baramati Taluka | Sakal India Foundation | 2 yrs. Minor (2003-04) | 40,000/- | - |
| 2. | Floristic diversity and species richness in Mulshi Watershed catchment area | SERB, New Delhi | 3 Years (2014-2017) | 18, 34, 000/- | Web site www.mulshiflora.org Book-14,000/- Instruments-Rs. 4, 24, 000/- Over head Charges- 3,00,000 Botanical garden Awards-02 |

20. E-content Development

| Sr. No. | Name of e-Content | Type of e-content | Name of Module | Name of Course | Name of Agency Approved |
|---------|----------------------------------|---------------------------------|----------------------------------|------------------------------------|---|
| 1. | Database | Floristic data of Mulshi Tehsil | Website | Research Project | DST-SERB |
| 2. | F.Y. B.Sc. Internal Assessment | Question paper | Nephrolepis | Plant Utilization | - |
| 3. | S.Y. B.Sc. Internal Assessment | Question paper | Endosperm and Embryo | Plant Anatomy and Embryology | - |
| 4. | T.Y. B.Sc. Internal Assessment | Question paper | Characterization of Biodiversity | Plant Ecology and Biodiversity | - |
| 5. | Microsporangium | PPT | Microsporangium | Plant Anatomy and Embryology | SPPU http://econtent.unipune.ac.in:8080/xmlui/handle/123456789/1752 |
| 7. | Endosperm and embryo Development | PPT | Endosperm and embryo Development | Plant Anatomy and Embryology | SPPU http://econtent.unipune.ac.in:8080/xmlui/handle/123456789/2074 |
| 8. | Introduction to Seeds Technology | PPT | Seed Technology | Plant Breeding and Seed Technology | SPPU http://econtent.unipune.ac.in:8080/xmlui/handle/123456789/2987 |
| 9. | Origin of Angiosperm | PPT | Origin of Angiosperm | Spermatophyta and Paleobotany | SPPU http://econtent.unipune.ac.in:8080/xmlui/handle/123456789/3106 |
| 10. | Classification | PPT | Classification Systems | Spermatophyta and Paleobotany | SPPU http://econtent.unipune.ac.in:8080/xmlui/handle/123456789/3694 |
| 11. | Inflorescence | PPT | Morphology of Reproductive parts | Plant Morphology and Anatomy | SPPU http://econtent.unipune.ac.in:8080/xmlui/handle/123456789/3784 |
| 12. | Flower | PPT | Morphology of Reproductive parts | Plant Morphology and Anatomy | SPPU http://econtent.unipune.ac.in:8080/xmlui/handle/123456789/3967 |

21. Awards / Honors

| Sr. No. | Name of Award | Type of Award | Name of Awarding Agency | State / National / International | Month and Year |
|---------|---|--|--|----------------------------------|-------------------------------|
| 1. | Ist Best poster presentation award | Ist Best poster presentation award in National Seminar on "Current trends in plant Bioresource Utilization", Title of paper was "Potential natural oil resources for future energy", | University of Pune, Botany Dept. | National | 26-27 Feb.2007 |
| 2. | Ist prize in Oral presentation with gold medal held at during | Ist prize in Oral presentation in National Conference on "Global warming and its consequences", Title of paper was: Natural resources: An alternative for fossil fuel to reduce global warming", | Shardabai Pawar College, Shardanagar, Baramati, | National | 10-12th Jan 2008 |
| 3. | Young Scientist-SERB-DST Fast Track Govt. of India 2014-2017. | Research Project | DST-New Delhi | National | Sept. 2014 |
| 4. | Fellow of Indian Association for Taxonomy (FIAAT)- | Fellow of Indian Association for Taxonomy (FIAAT)- | Indian Association for Angiosperms Taxonomy (IAAT), Calicut | National | Nov. 2014 |
| 5. | Late Ramraje Nanaso Jagtap memorable award | Felicitiation for research contribution | Purushottam Ramraje Jagtap Foundation Someshwar | District | 23 rd Jan. 2015 |
| 6. | Best Teacher Award | Teaching in Anantrao Pawar College | Anantrao Pawar College, Pirangut, Mulshi | Local | 29 th Feb. 2016. |
| 7. | Received "Baramati Icon" award | Floristic survey of Baramati Tehsil | Environmental Forum of India, Baramati | District | 13 th March 2017. |
| 8. | "Prof. M. Sabu Awards" for best oral paper presentation in 2018 | International conference of Indian Association for Angiosperms Taxonomy held at Vadodara Gujarat | Indian Association for Angiosperms Taxonomy held at Vadodara Gujarat & IAAT, Calicut | National | 29-31 st Oct. 2018 |
| 9. | 'Best Teacher Award' from NCP for Mulshi Tehsil | Teaching in Anantrao Pawar College | NCP Pune | District | 2 nd Dec. 2018. |
| 10. | Young Researcher Award | Contribution in Plant research | Maharashtra Vriksha Sanvardhinia Pune | District | 2 nd Oct. 2019. |
| 11. | First best oral presentation award in | National conference on Conservation of Wetland | Dayanand college, Solhapur | National | 10-11 th Jan. 2020 |

22. Fellowship

| Sr. No. | Name of Fellowship | Type of Fellowship | Name of Awarding Agency | State / National / International | Duration (From - To) |
|---------|--------------------|--------------------|-------------------------|----------------------------------|----------------------|
| 1. | CSIR | Research Associate | CSIR, New Delhi | National | Dec. 2010-Nov. 2011 |

23. Extension and Social Activities

| Sr. No. | Name of Extension Activity | Details of Activity | Date(s) |
|---------|----------------------------|---------------------|---------|
|---------|----------------------------|---------------------|---------|

| | | | |
|----|---|---|--------------------------|
| 1. | Rubella Vaccination Programme | Coordinated activity -1200 students took vaccines | 24 Oct 2002 |
| 2. | Plastic awareness campaign | Plastic awareness campaign at Village Lavale | 2 nd Oct 2019 |
| 3. | Plastic collection drive on every month | Reduce, reuse and recycle of plastic | Since year 2020 |

24. Skills and Hobbies

Skills: Plant identification, Grass taxonomy, Ecology, Pharmacognosy-drug analysis, Pharmacological analysis

Hobbies: Landscaping, Tourism

Papers Published: National

Total- 18

- i) **Rani Bhagat** and V.B. Shimpale “*Corbichonia decumbens*; Forssk. Jack. (Exell)- “A new record for the state of Maharashtra”, in the *proc. Publis.* by Dept. of Botany Goa University (Janarthanam & Narsimhan) entitled “*Plant Diversity, Human Welfare and Conservation*” during 2002
- ii) **Rani Bhagat** , R. B. Deshmukh & R. J. Marathe “Survey of Medicinally important weeds of Wild occurrence from Baramati Thasil of Pune District, Maharashtra State.” in *Proc. Publis.* by Post graduate College, Pravaranagar during 2005
- iii) **Rani Bhagat**, V. B. Shimpale, G. G. Potdar and R. B. Deshmukh “Two new Records for Maharashtra, India” published in ‘*Rheedea* an International Journal from Indian Association for Angiosperm Taxonomy. Vol 17 (1 &2) 55-56, 2007 ISSN- 0971-2313
- iv) D. K. Kulkarni, **Rani Bhagat** and V. N. Joshi “*Caesalpinia crista* L. Seed oil – A probable candidate for biodiesel” published in *Indian Journal of Tropical Biodiversity* 16(1), 93-96, 2008 ISSN 0971-4642
- v) V.B. Shimpale, **Rani Bhagat** and S.R. Yadav: “Extended distribution of *Dipcadi saxorum* (Blatt.) (Hycinthaceae)-A critically endangered plant taxa *Journal of Swamy Botanical Club* 39-42 2008
- vi) Ashwini Misar, **Rani Bhagat** and A.M. Mujumdar “Antidiarrhoeal activity of *Acacia nilotica* Willd bark methanol extract” *Hindustan Antibiotics Bulletin* Vol. 49-50 pp.14-20 2007-2008 ISSN-0018-1935
- vii) **Rani Bhagat**, R. B. Deshmukh & P.Tetali “Weed Flora associated with Agricultural Crops in Baramati region” in *Proceedings Ethnobotany Taxonomy of Angiosperms* Edited by A. Chaturvedi, Nagpur 257-260, 2008
- viii) **Rani Bhagat**, G. G. Potdar and R. B. Deshmukh “*Sporobolus spicatus* (Vahl) Kunth, (Poaceae): A New record for Maharashtra State” in *Proceedings Ethnobotany & Taxonomy of Angiosperms* Edited by A. Chaturvedi, Nagpur 141-148, 2008
- ix) Vinod B. Shimpale, **Rani B. Bhagat**, R. B. Deshmukh and S. R. Yadav A New Species of *Eriocaulon* (Eriocaulaceae) from Maharashtra, India *Rheedea* Vol.19, 47-49, 2009
- x) D. K. Kulkarni and **Rani Bhagat** “Occurrence of pentatomoid bug, *Chrysocoris purpureus* and *Scutellera nobilis* on endemic plant *Jatropha nana* Dalz. in Pune Maharashtra State, India” *Indian Journal of Tropical Biodiversity*. 16 (2) 2008
- xi) **Rani Bhagat** and D. K. Kulkarni “*Bauhinia roxburghiana* Voigt. and *Aphanamixis polystachya* (Wall) Parkar Potential non edible oil resources for future energy” *Asian Journal of Chemistry* 4 (70) 2942-2948, 2010 ISSN-09707077 (**IMF-0.367**)
- xii) D. K. Kulkarni, **Rani Bhagat** & A. S. Upadhye “Wild Bamboo diversity in Sacred groves of Maharashtra State” published in book entitled ‘Conservation and Management of Bamboo resources’ 2010. published by Indian Institute of Forest Productivity, Ranchi

- xiii) **Rani Bhagat** and D. K. Kulkarni “*In-vitro* antibacterial activity, lipid content and physico chemical analysis of non-edible oils from India” *Asian Journal of Chemistry* 22 (9)6884-6890, 2010 (IMF-0.367) ISSN-09707077
- xiv) A. S. Upadhye, **Rani Bhagat** and D. K. Kulkarni“ Ethnobotany of endemic and threatened plants from Western Maharashtra.” to publish in *Economic and Taxonomic Botany* 34 (2) 434-439, 2010 ISSN- 2050-9768
- xv) **Rani Bhagat** and D. K. Kulkarni “Quantification of β -sitosterol from three *Jatropha* species” *Asian Journal of Chemistry* 22(10) 8117-8120, 2010 (IMF-0.367)
- xvi) **Rani Bhagat**, S. D. Ambavade, A. V. Misar and D. K. Kulkarni Anti-inflammatory activity of *Jatropha gossypifolia* L. leaves in mice and rats. *Journal of Scientific and Industrial Research (JSIR)* 70:289-292, 2011 ISSN 0975-1084 (IMF-0.505)
- xvii) **Rani Bhagat**, Vishal Shinde and D. K. Kulkarni Insecticidal properties of three *Jatropha* species against stored grain pests, *Indian Journal of Entomology* 73 (1) 30-33, 2011 (NAAS-4) ISSN-0974-8172
- xviii) **V. B. Shimpale and Rani Bhagat** A rare incidence of polypetalae in *Convolvulus arvensis* (Convolvulaceae) *Current Science* Dec. 2015 (Impact factor-0.866)

International-**Total -16**

- i) **Rani Bhagat** and D. K. Kulkarni “*Jatropha nana* Dalz. & Gibs. : A plant for future energy” published in *The Jatropha Journal* (Online) 2008
- ii) **Rani Bhagat** and D. K. Kulkarni Phytochemical, Antioxidant and Antimicrobial analysis of endemic and endangered *Jatropha nana* Dalz. & Gibs. From Maharashtra *Journal of Pharmacy Research* 3(9) 2073-2076, 2010.(IMF-2.507) ISSN- 0974-6943
- iii) **Rani Bhagat**, S. P. Taware, A. M. Chavan and D. K. Kulkarni “Studies on collection and evaluation of *Jatropha curcas* L. germplasm from India - a case” *American Journal of Oil Chemist Society (AJOCS)* 1778-1779, 2010 (IMF-1.803) ISSN- 1558-9331
- iv) D. K. Kulkarni, **Rani. B. Bhagat**, Punalekar S. and Nipunge D.S. “Occurrence of *Cyclopelta siccifolia* (west wood) on *Holigarna grahamii* (wt.) kurz. (Anacardiaceae) from (M.S.) India”. *Science Research Reporter*.2(1): 81-82, 2012. ISSN- 2249 - 7846
- v) **Rani Bhagat** and D. K. Kulkarni Evaluation of larvicidal and antifeedant potential of three *Jatropha* species against *Spodoptera litura* (Lepidoptera: Noctuidae) and two predators (Coleoptera: Coccinellidae) *Annals of Biological Research* 3(6) 2911-2916, 2012 (IMF-1) ISSN- 0975-508X
- vi) **Rani Bhagat**, A.V. Misar, S.D. Ambavade and D. K.Kulkarni HPTLC analysis and Anti-inflammatory activity of *Jatropha gossypifolia* L. root in mice and Wistar rats. *International Journal of Pharmacological Research* 3(1) 13-17, 2013 (International) ISSN 2277-3312 (DOI: 10.7439/IJPR
- vii) V Clement Ben, D K Kulkarni and **R B Bhagat** Habitat conservation of Chinkara (Gazelle gazelle) in protected areas of Maharashtra and Gujarat *Bioscience Discovery* 4(2)139-142, 2013 ISSN: 2229-3469
- viii) **Rani B. Bhagat** and D.K. Kulkarni “Antifeedant and oviposition deterrent activity of three *Jatropha* species against stored grain pest *Callosobruchus chinensis* L. (Coleoptera:Bruchidae)” *International Journal of Multidisciplinary Research (IJMR)* Vol II Issue 7 (V) 86-91, 2012 (ISSN: 2277- 9302)
- ix) **Rani B. Bhagat** and D.K.Kulkarni “Phytochemical evaluation and *In vitro* Antimicrobial Activity of *Jatropha glandulifera* Roxb. (Family Euphorbiaceae)” *International Journal of Pharmacy and Life Sciences (IJPLS)* 4(12) 3190-3192, 2013 (IMF-0.402) ISSN 0976-7126
- x) **Rani B. Bhagat**, and D. K. Kulkarni Evaluation of Phytochemical, Antibacterial and Antidiarrhoeal activity of *Jatropha gossypifolia* L. Root Methanol Extract in Swiss Albino Mice *World Journal of Pharmaceutical Research (WJPR)* Vol.. 3 Issue 4 July 2014 pp 566-581 ISSN NO. 2277 – 7105

(SJIF Impact Factor 5.045)

- xi) Ben V.C., D. K. Kulkarni and **Rani B. Bhagat**, Impact of Afforestation on soil health diversity in Mayureshwar Wild life sanctuary Tal Baramati, Dist.-Pune, Maharashtra, India Asian Journal of Science and Technology Vol 5 (9) pp. 561-566 2014 ISSN No.0976-3376
- xii) **Rani B Bhagat**, Mahadev Chambhare, Sandip Mate, Amit Dudhale, BN Zaware Prospective wild edible fruit plants from part of northern Western Ghats (NWG), Mulshi (MS), India Journal of Medicinal Plants Studies 2016; 4(1): 15-19 ISSN 2320-3862 (Impact factor ISRA-3.95)
- xiii) **Rani Bhagat**, V. B. Shimpale and R. B. Deshmukh Floristic Diversity And Conservation Assessment Of Important Species In Baramati –A Rainshadow Area Asian J. Exp. Sci., Vol. 29, No. 1&2, 2017; 1-6 ISSN 0971-5444
- xiv) Shivanjali Kapse, Mansi Sharma¹, Rani Bhagat and Vinay Kumar Chemical Composition, Antioxidant, Cytotoxic and DNA Damage Protective Activities of *Plectranthus mollis* Essential Oils Gnyanmay Sept.-Oct. 2015 ISSN No. 2395-7484 pp-17-25
- xv) V Kumar, V Shriram, **R Bhagat**, T Khare, S Kapse, N Kadoo Phytochemical profile, anti-oxidant, anti-inflammatory, and anti-proliferative activities of *Pogostemon deccanensis* essential oils 3 Biotech 9 (1), 31 2019 pp 9-12 (Impact factor 1.76) DOI: [10.1007/s13205-018-1560-0](https://doi.org/10.1007/s13205-018-1560-0) ISSN-2190-572x
- xvi) Kasodekar, A. K.; Jadhav, A. D.; Bhagat, R. B.; Pawar, R. M.; Gupta, V. S.; Kadoo, N. Y. The Importance of Conserving Fragmented Forest Patches With High Diversity of Flowering Plants in the Northern Western Ghats: An Example from Maharashtra, India. *J. Threat. Taxa* **2019**, 11 (7), 13833-13849. ISSN: 0974-7907
- xvii) **Bhagat R. B.**, D. K. Kulkarni, and S. P. Taware (2019) Germplasm collection of potential natural oil resources for energy Bioscience Discovery, 10 (4):203-206 092 (ISSN No. 2231-024X)

Paper Presentations: Oral India

Total- 23

- i) **Rani B. Bhagat** & V. B. Shimpale -Presented a paper on “*Corbichonia decumbens*; Forssk. Jack. (Exell)-A new record for the state of Maharashtra”, in 12th IAAT Conference held at Panjim (Goa) during 26- 27 Sept. 2002
- ii) **Rani B. Bhagat** & R. B. Deshmukh -Presented a paper on “**Floristic diversity of grasses from Baramati region of Pune District, Maharashtra State**”. In 13th IAAT & International Symposium on Plant Taxonomy: Advances and Relevance's held at Bhagalpur, Bihar during 14-15 Nov. 2003
- iii) **Rani B. Bhagat** & R. B. Deshmukh- Presented a paper on “**Floristic survey of Baramati Tahsil in Pune District of Maharashtra State. Part-I**” in XIV National Annual Conference of IAAT held at Tirvananthapuram, Calicut during 29- 31 Dec. 2004
- iv) **Rani B. Bhagat**, R. B. Deshmukh & R. J. Marathe- Presented a paper on “**survey of medicinal Plants of Baramati Taluka in Pune District of Maharashtra State, Part-I**” in International Conference of Phyta Ayurveda and a live Demonstration of medicinal Plants held at Kolhapur, Dajipur during 24 - 26 Dec. 2004
- v) **Rani B. Bhagat** & R. B. Deshmukh Presented paper in National Conference of Plant Sciences Title of the paper is “**Survey of Medicinal important weeds of Wild occurrence from Baramati Thasil of Pune District, Maharashtra State.**” held in Dept. of Botany, Post graduate College, Pravaranagar during 10-12 March 2005
- vi) **Rani B. Bhagat**, G. G. Potdar & R. B. Deshmukh Presented paper in XV Annual conference of IAAT and National Seminar on “Emerging trends in plant Taxonomy” Title of paper is- “*Sporobolus spicatus* a new record for the State of Maharashtra”, held at University of Nagpur during 20 - 21 Oct. 2005

- vii) **Rani B. Bhagat** & R. B. Deshmukh Presented paper in XV Annual conference of IAAT and **National Seminar** on “Emerging trends in plant Taxonomy” Title of paper was “ **Weed flora associated with agricultural crops from Baramati Taluka, Pune District**”.held at University of Nagpur during 20 – 21 Oct. 2005
- viii) **Rani B. Bhagat** & R. B. Deshmukh Presented paper in XVI Annual conference of IAAT and **International Seminar** on “Present trends and Future prospects of Angiosperm Taxonomy” Title of Paper was “**Floristic Analysis of Baramati Taluk in Pune District, Maharashtra State**” held at Agharkar Research Institute, Pune during 4 - 6 Oct. 2006
- ix) **Rani Bhagat** & D. K. Kulkarni “**Underutilized non-edible oil resources for future energy**” to present in International Conference of IAAT which will be held at Kolhapur, during 21 - 23Nov. 2007
- x) V.C. Ben, D.K. Kulkarni & **Rani Bhagat** “**Comparative floristic composition of two wild life sanctuaries**” to present in International Conference of IAAT which was be held at Kolhapur, during 21 - 23 Nov. 2007
- xi) **Rani Bhagat** & D. K. Kulkarni “ **Natural resources: An alternative to fossil fuel to reduce global warming**” to present in National conference which will be held at Baramati, Shardanagar during 10-12 Jan. 2008
- xii) **Rani Bhagat** & D. K. Kulkarni “ Screening of plant genetic resources of nonedible oil resources for future energy” presented in National seminar on in the care takers of biosphere held at Vidya prathisthan’s College, Baramati during 14-16 Feb.2008
- xiii) **Rani Bhagat** & D. K. Kulkarni “Screening of *Jatropha* species for phytochemical and biological activity in XIX International Conference of IAAT which was held at Lucknow, during 12-14 Nov. 2009
- xiv) **Rani Bhagat** & D. K. Kulkarni “Plant originated biomolecules as potential candidates for insecticide activity” in National conference on Frontiers in Life Sciences held at Shardanagar, Baramati, during 11-13th Jan. 2011
- xv) R. B. Deshmukh, **Rani Bhagat**, N.A. Patil “Assessment and digitization of fungal disease of crop plants from Baramati” in National conference on Frontiers in Life Sciences held at Shardanagar, Baramati, during 11-13th Jan. 2011
- xvi) **Bhagat R.B.** and Taware S.P. GC-MS analysis, TLC profile and insecticidal activity of essential oils of two wild species against stored grain pest *Callosobruchus chinensis* National conference on Recent trends in Plant Sciences and 21st APSI Scientists meet 2012 held at T.C. College, Baramati during 3-5th Feb. 2012
- xvii) Patil D.M., **Bhagat R.B.** and Deshmukh R.B. Fungal disease of crop plants from Baramati-assessment and digitization for database National conference on Recent trends in Plant Sciences and 21st APSI Scientists meet 2012 held at T.C. College, Baramati during 3-5th Feb. 2012
- xviii) Deshmukh R.B., Dange S.S., Jadhav P.V and **Bhagat R.B.**, “Contribution to the knowledge of phytopathogenic fungi infecting different crops in Baramati.” In **National conference** on, New horizons in Applied Sciences” held at Sharadchandra Pawar Mahavidyalaya, Lonanad during 14th -15th Sept. 2012.
- xix) Deshmukh R.B., **Bhagat R.B.**, Ghane S.G., Dange S.S., and Jadhav P.V., “Aspection, Seasonal distribution of soil fungi and chemical properties of sugarcane field in Baramati (Maharashtra)”,In National Seminar on, “Recent Trends in Life Sciences” held at Bharati Vidyapeeth Deemed University, Yashwantrao Mohite College, Pune-38, during 21st -22nd Dec. 2012.
- xx) Deshmukh R.B., **Bhagat R.B.** and Ghane S.G., “Contribution to the knowledge of phytopathogenic fungi infecting different crops in Baramati” In National Conference on, “Recent Trends and Future Prospects in Life Sciences” held at Department of Botany, Mahatma Gandhi Ahmedpur, Latur-413 515, during 27th -28th Dec. 2012.
- xxi) **R.B. Bhagat** and R.B. Deshmukh “Bioprospecting of important plants for insecticidal activity against stored grain pest *Callosobruchus chinensis*” In National seminar on “Recent trends in Biodiversity of India” held at Govt. degree and PG College, Wanaparthi-509103, Mahabubnagar district, Andhra Pradesh, during 27th & 28th Jan. 2013.

- xxii) **Rani B. Bhagat** and D. K. Kulkarni “Antifeedant and oviposition deterrent activity of three *Jatropha* species against stored grain pest *Callosobruchus chinensis* L. (Coleoptera:Bruchidae)” National conference on Current Trends in Life Sciences held at **Annasaheb Awate Arts, Commerec and Hutatma Babu Genu Science College, Manchar, Maharashtra** during 27& 28th September, 2013.
- xxiii) **Rani B. Bhagat** and D. K. Kulkarni Phytochemical evaluation and *In vitro* Antimicrobial activity of *Jatropha glandulifera* Roxb. (Family Euphorbiaceae) in National Conference on Recent Trends in Plant Sciences, its future prospectus and biodiversity conservation at Yashwantrao Chavan College of Science, Karad on 29-39th Nov. 2013.
- xxiv) Presented a paper entitled “Digitization and present status of sacred groves from mulshi tehsil of pune district: a part of Northern Western Ghats (NWG)” in 27th Annual Conference of the Indian Association for Angiosperm Taxonomy and International Symposium on "Plant Systematics: Priorities and Challenges" held in the Department of Botany, University of Delhi from November 10-12, 2017.
- xxv) Presented a paper entitled “Urban development consequences, effect on land use, biodiversity and conservation in Mulshi: a part of Northern Western Ghats (NWG), India in 28th Annual conference of the Indian Association for Angiosperm Taxonomy and International Symposium on Conservation of Angiosperms diversity: Hidden treasure of today and tomorrow held at The Mharaja Sayajirao University, Baroda, Vadodara, Gujarat, from Oct. 29-31, 2018
- xxvi) Presented a paper entitled “Ecology, biodiversity and conservation studies of Sacred groves from Mulshi Tehsil, Northern Western Ghats (NWG) Held at Anatrao Pawar College, Pirangut (RIACPLS) on 11-12 Jan 2019.
- xxvii) **Rani B. Bhagat** presented a paper entitled “Impact of water reservoir on Floristic diversity of Mulshi Watershed catchment area (NWG), Pune, Maharashtra” held at National conference on Conservation of Wetland at Dayanand college, Solhapur on 10-11th Jan. 2020.

Outside India**Total-03**

- i) D. K. Kulkarni & **Rani Bhagat** “Collection of germplasm – a case study of *Jatropha* species in Maharashtra State, India ” presented in IInd Monographic conference on *Jatropha* at **Madrid, Spain** on 14-15 May 2008
- ii) D. K. Kulkarni & **Rani Bhagat** “*Jatropha* species in India– “a case study of *Jatropha nana* in Maharashtra State, India for future energy crop” presented in 2nd – Generation energy crops/*Jatropha* world summit at **Bali, Indonesia** on 21 -22 Aug.2008
- iii) Presented a paper entitled “Floristic Richness in Mulshi Watershed Catchment Area Northern Western Ghats (NWG), India” in XIX International Botanical Congress (IBC), held at Shenzhen, China from 23rd to 29th July 2017.
- iv) Presented a paper entitled “Pharmacognostic and Anatomical studies of three *Jatropha* species from India” International Symposium Plant Anatomy: traditions and perspectives” held at Moscow State University, Moscow, Russia from sept. 16-21st September 2019.

Paper Presentations: Poster**Total- 12**

- i) H.S. Patil, **Rani B. Bhagat** & K.N. Dhumal-Presented paper in **National Conference** of Physiology on “**Allelopathic weeds of Baramati Thasil, District Pune.**” held at Pune during Dec.2004

- ii) A.S. Upadhye & **Rani B. Bhagat** -Presented paper in Silver jubilee Symposium on “ Ethnobotany in the New millennium” Title of paper was“ **Ethnobotany of endemic plants from Western Maharashtra**”, held at National Botanical Research Institute, Luknow, during 12-14 Jan. 2006
- iii) V. Clement Ben, **Rani B. Bhagat** & D. K. Kulkarni- Presented paper in XVI Annual conference of IAAT and **International Seminar** on “Present trends and Future prospects of Angiosperm Taxonomy” Title of paper was “ **Ecological status of Mayureshwar wild life Sanctuary with special reference to floristic diversity**”, held at Agharakar Research Institute, Pune during 4–6 Oct.2006
- iv) Sachin Chaturvedi, **Rani B. Bhagat**, A.S. Upadhye & D. K. Kulkarni- Presented paper in XVI Annual conference of IAAT and **International Seminar** on “Present trends and Future prospects of Angiosperm Taxonomy” Title of paper was “**Phyto- diversity occurring near hot water springs at Ratnagiri District, Maharashtra State**”,held at Agharkar Research Institute, Pune during 4–6 Oct. 2006
- v) **Rani B. Bhagat** & D.K. Kulkarni presented a poster in National Seminar on “Current trends in plant Bioresource Utilization”. Title of paper was “**Potential natural oil resources for future energy**”, held at Pune University Botany Dept. during 26–27 Feb.2007
- vi) **Rani B. Bhagat** R. B. Deshmukh & R. J. Marathe “Medico-importance of some plants from Baramati region, [Maharashtra State]” in National conference of Association of Microbiologists of India (AMI) held at Indian Institute of Chennai during 19-20 Dec. 2007
- vii) Deshmukh R.B., Dange S.S., and **Bhagat R.B.** “Regional Biological Directory (RBD) -Fungal Diseases Database (FDD) -Contribution to the knowledge of phytopathogenic fungi infecting different crops in Baramati”. In **National Seminar** on, “Recent Trends in Life Sciences” held at Bharati Vidyapeeth Deemed University, Yashwantrao Mohite College, Pune-38, during 21st -22nd Dec. 2012.
- viii) Deshmukh R.B., **Bhagat R .B.**, Dange S.S. And Jadhav P.V., “Aspection, Seasonal distribution of soil fungi and chemical properties of grape fields in Baramati (Maharashtra)”, In **National Conference** on, “Recent Trends and Future Prospects in Life Sciences” held at Department of Botany, Mahatma Gandhi Ahmedpur, Latur-413 515, during 27th -28th Dec. 2012.
- ix) Badnikar A. A., **Bhagat R.B.** and Taware S.P. “Evaluation of Insecticidal potential of non edible oils of some plants against *Callosobruchus chinensis* In National Conference on Biodiversity Assesment, Conservation and Utilization held at Abasaheb Garware College during 9-11th Feb. 2012.
- x) Amol Kasordikar, A. Jadhav, R. Pawar, M. More, **R. Bhagat**, Kadu N. & Vidya Gupta “How plants manage water stress in Indo-mexican workshop on Biotechnology held at National Chemical Laboratory during 7-9th Oct. 2013.
- xi) **Rani B. Bhagat, M.R.Chambhare, Amit Dudhale and Akshata K. Dhanve.** Floristic diversity of Sacred groves in Mulshi Tehsil, Maharashtra National Conference Recent Trends in Life Sciences, S.M. Joshi College, Pune. 10-11 July 2015 pp-254

(Dr. Rani Babnrao Bhagat)