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CURRICULUM VITAE

General Information

Full Name -Shri:- Bharate Sanjay Raghunath

Educational Qualification – M.Sc. B.Ed.

Date of Birth -16th June 1969

Mobile-7588357010, Email- srbharate1969@gmail.com

Address-1.Residential-At/Post:- Tisgaon(On Tisgaon Shegaon road, behind Jagtamba furniture) Tal. Pathardi. Dist Ahmednagar. Pin.

2.Institutional-Department of Botany, DadapatilRajale Arts and Science College, Adinathnagar, Tal-Pathardi, Dist- Ahmednagar, 414505,MS,India.

Current Position-1.Assistant Professor Department of Botany, DadapatilRajale Arts and Science College, Adinathnagar, Tal-Pathardi, Dist- Ahmednagar, 414505,MS,India.

Educational Qualification

Exam	Year	University/Board	Class
S.S.C	1985	Aurangabad	First Class
H.S.C	1987	Pune	Second class
B.Sc.	April 1990	University of Pune	First Class with Distinction
M.Sc.	May 1993	University of Pune	First Class
B.Ed.	April 1997	University of Pune	First Class
Ph.D	March 2015	University of Pune	

Ph.D.Topic- “ STUDIES IN ALLELOPATHY OF SOME FOREST TREES FROM GARBHARI HILLS, VRIDHESHWAR. DISTRICT. AHMEDNAGAR.

Specialization-1.Angiosperms Taxonomy

Academic Positions& Administrative Experience

03/07/1995 Till Date-1.Assistant Professor of Botany, DadapatilRajale Arts and Science College, Adinathnagar, Tal-Pathardi, Dist- Ahmednagar, 414505,MS,India.

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Orientation, Refresher and FDP Courses Completed

Orientation	Academic Staff College,University of Pune	03/09/1999 to 30/09/1999
Refresher	Department of Botany,University of pune	20/12/2001 to17-01-2002
Refresher	University of Mumbai	20/02/2017 to 11/03/2017
Refresher	On line Refresher course.	14 th July to 03 August 2021
Faculty Development programme	One week National level online faculty development programme	27 st to 31 st July 2021
Faculty Development programme	Two week National level online faculty development programme.	15 st to 31 st October 2020.
Faculty Development programme	One week National level online faculty development programme.	10 th to 18 th May 2021
Online refresher Course	Online refresher course/ Two week faculty development programme jointly organized by Guru Anghaddev teaching learning centre SGTB Khalasqa college, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on teachers and teaching (PMMMNTT) OF Ministry of education with "A" Grade.	14 th July to 3 August 2021.
Faculty Development Programme	One week faculty development programme jointly organized by Dadapatil Rajale college and Guru Anghaddev teaching learning centre SGTB Khalasqa college, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on teachers and teaching (PMMMNTT) OF Ministry of education with "A" Grade.	21 to 27 April 2022

Research Articles Published in Journals

1. Published paper on," ," Effect of canopy of Sag(Tectona grandisL) on the chlorophyll contents of Bajara'K. Schum Variety Ganga Kaveri. In Sovinar Biodiversity, Biotechnology and Climate change. PP 41-42.

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2. Published paper on,” Studies in the growth performance of [*pennisetum americanum*(L.) K. Schum. Variety ‘Ganga Kaver’] underneath ‘*Semecarpus anacardium*’ Variety ‘anacardium’ in Applied Research & Development Institute Journal available online at www.pgspcf.org ISSN: 2249-8346 PP-6-9.
3. Published paper entitled, “ Allelopathy of some forest trees from Vridheshwar, in Elixir Journal Aujst 2013. (ISSN 2229-712X)Index Copernicus, Poland and grade ICV 5.79)
4. Published paper entitled,” Growth performance of Bajara[*Pennisetum americanum* (L.) K.Schum. var. G.K.] underneath ‘Sag’[*Tectona grandis*(L)] in Journal of recent trends in Life science(JRTLS). Vol.-I, Issue-1, July-Sep. 2013. (ISSN2320-754X). PP-65-70.
5. Published paper entitled,” **Studies On the growth performance of 'Bajara' [Pennisetum americanum (L.)K. Schum. var. 'M.L.308']underneath ‘Kavath’ [Feronia limonia (L.) Swingle.** Journal of recent trends in Life science(JRTLS) Vol-Issue-2Oct –Dec.. 2013 (ISSN2320-754X). PP-60-64.
6. Published paper entitled,” **Allelopathy of *Limonia aciidissima* L. in** New Vistas in plant science and biotechnology.2013(ISBN 978-81-924820-4-0).PP-160-162.
7. Published paper entitled,” **Allelopathy of *Mangifera indica* L. on *Raphanus sativus* L. Var. ‘Hybrid -11’.** In ‘Flora and Fauna’2013.Vol.19, No. 1(Special Issue) page 308-310. ISSN 0971-6920.PP-308-310.
8. Published paper in International Registered & Recognized Research Journal Related to Higher Education,Vision Research Journal for pure Sciences. entitled, “ Allelopathy of some forest trees from Vridheshwar, Pathardi Tahasil, Ahmednagar year- II, Issue-III, Vol. I (July 2014 to Dec.2014) ISSN 2348-7976. 7-11.
9. Published paper entitled,” Studies on Allelopathy of *Gliricidia*. In “ Environmental Issue and Sustainable Development” (ICEISD-2014) Page-13-16(ISBN- 978-81-930154-4-7. PP-13-16.
10. Published paper entitled,” Allelopathy of *Gliricidia sepium* (Jaeq.) Kunth. Ex Walp. On *Raphanus sativus* L. Var. Japani. In Flora and Fauna An International Journal of Biological Sciences (NAAS) RATING: 2.02) 2014 Vol. 20 No-1Website www.floraandfona.org page 179-181.

Year 2015-16

11. Published paper entitled,” *Mangifera indica* L and its Allelopathic effect on Morphology *Capsicum annum* L. in Proceeding of State level conference on Opportunities , Challenges and prospects in Life Science ISBN:- 978-93-5158-595-4 .Page 32 – 34

Year 2017-18

12. Published paper in an International Journal of Researches in Biosciences, Agriculture and Technology on Allelopathy of some forest trees from Vridheshwar Pathardi Tahsil, Ahmednagar.IJRBAT, Vol. VI(Special Issue 2) February 2018 01.08 21-22 e- ISSN2347-517X www.ijrbat.in

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13. Published paper in an International Journal in Flora and Fauna Allelopathic effect of *Mangifera indica* L. on *Pennisetum americanum* K.Schum **Vol. 23. 2(2) 2017** **Page291-293 ISSN No 0971-6920.**

Year 2018-19

14. Published paper in an International Journal of multidisciplinary studies Approved by ; University Grant Commission (UGC) Monthly Double- Blind PEER Reviewed Referred open access International Journal on,” Allelopathy of *Limonia accidissima* L on *Raphanus sativus* L (Hybrid II)” Vol. IV (Special Issue I) October 2018 Page 94-97 ISSN: 2455-8499.

15. Allelopathic effect on the reproductive growth and yield in ‘Bajara’ *Pennisetum americanum* K. Schum, Variety ‘ G.K’ in IJRAR International Journal of Research and Analytical Reviews. Volume 6 | issue 2| April – June 2019 E ISSN 2348-1269, PRINT ISSN- 2349-5138 <http://ijrar.com>

Year 2019-20

16. Allelopathy of *Tamarix ericoides* rottl in a Journal of Association of Zoologist, India special issue on “ Advances in life sciences for sustainable development-2019 vol.7 (1), 72-76. 2229-6549

17. Allelopathy of *Gliricidia sepium* (JAEQ) Kunth Ex. Walp. On *Cyamo-opsis tetragonolobus* (L.) Taub. Variety Sadafali. In International Journal of Researches in Biosciences Agricultures and technology in IJRBAT, issue (VIII) . Vol. II May 2020 145-148 www.ijrbat.in e-ISSN 2347-5174

18. Published a research paper in peer reviewed Journal, Ecology and Fisheries, entitled, “ Allelopathy of *Gliricidia sepium* (Jaeq.) Kunth Ex. Walp. On *Cyamopsis tetragonolobus* (l.) Taub. Variety , Sadafali “ISSN 0974-6323 pp101_106. Vol. 13 Number 1 February 2020 ISSN 0974-6323. 2021-22

19. Published research paper in a Journal of Research and development a multidisciplinary international level refered and peer reviewed journal entitled,” Allelopathic effect of Inflorescence extracts of *Mangifera indica* L on *Raphanus sativus* L. Var. Japani and H₁₁. 4 September-2021 Volume 12 ISSue 5, Page 49-51. ISSN 2230-9578,

20. Published research paper in a International Journal of Researches in Biosciences, Agriculture & Technology entitled,” “Allelopathic effect of stem and root extracts of *Mangifera indica* L.*Raphanus sativus* L. Var. Japaniin IJRBAT, ISSue(Special-17), June2021:562-566. www.ijrbat.in.

21)Published research paper in a International Journal of Researches in Biosciences, Agriculture & Technology entitled,” *Bahunia racemose* Lam, and its Allelopathy” ISSN-517X in IJRBAT, ISSue(Special-17), June 2021: 641-644. www.ijrbat.in e-ISSN 2347-517X

Papers Presented in National symposia, Conferences, Seminars, etc.

1. Presented poster on Allelopathy of, “ *Tamarix Ericoides* Rottle in the National seminar on, ”IN the Role of Care takers of Bio-spheres” 14^t To 16th February

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2008 at Vidya pratishthan,s Art's Science & Commerce college, Baramati. Dist Pune.

2. Participated and presented research paper entitled, " Allelopathy of some forest trees from Vridheshwar, pathardi in the section of Plant scienc during the 96th **Indian Science Congress** held at North Eastern hill University Shillong from 3rd to 7th January 2009.
3. Participated and presented research paper entitled," Influence of *Mangifera indica* Linn (Family Anacardiaceae) on the growth performance of 'Bajara' [*pennisetum americanum* (L.) K. Schum. Variety 'Ganga Kaveri'. ON 23, 24 February 2010 at Jijamata College of Science & Arts – Bhende.
4. Participated and presented research paper entitled," Studies in the growth performance of ' Bajara' [*pennisetum americanum*(L.) K. Schum. Variety M.L. 308] underneath 'Kavath' [*Feronia limonia*(L.) Swingle] in UGC sponsored National seminar on the climate change and Bio-diversity(CCB-2011) organized by Dept. of Botany and Zoology New Arts Commerce & Science College, Parner on 11th & 12th January 2011.
5. Participated and presented research paper entitled," Studies in the growth performance of ' Bajara' [*pennisetum americanum*(L.) K. Schum. Variety ' Ganga Kaveri] underneath 'Sag' [*Tectona grandis* L.] in UGC sponsored National seminar on the climate change and Bio-diversity(CCB-2011) organized by Dept. of Botany and Zoology New Arts Commerce & Science College, Parner on 11th & 12th January 11.
6. Participated and presented research paper entitled ," Studies in the growth performance of ' Bajara' [*pennisetum americanum*(L.) K. Schum. Variety 'Ganga Kaver'] underneath '*Semecarpus anacardium*' Variety 'anacardium' on 3rd to 5 th February-2012 at Tijaram Chaturchand College, Baramati.
7. Participated and presented research paper entitled," Allelopathy of *Mangifera indica* Linn" in National conference on " Environmental Science" held at Department of Botany, Zoology, chemistry & Geography on 23-25 February 2012 at Shri Dnyaneshwar Mahavidyalaya, Newasa.
8. Effect of canopy of Sag(*Tectona grandis* L.) on the chlorophyll contents of Bajara'K. Schum Variety Ganga Kaveri. In the National Conference organized by Department of Life Science Arts Commerce & Science College, Sonai Ta.Newasa, Dist. Ahmednagar .on 26 & 28 July 2012.
9. Participated and presented research paper entitled, " Chlorophyll content of Bajara [*Pennisetum americanum* Var. M.L.B.H.308 under *Semecarpus anacardium* L.] at Kopargaon on 22 & 23 March 2013.
10. Participated and Presented paper on," ALLELOPATHY OF SOME FOREST TREES FROM VRIDDHESWAR, PATHARDI TAHSIL, AHMEDNAGAR. During CPCLS-2013 at Dept. of Botany, New Arts, Commerce and Science College, Ahmednagar.26-27 July 2013
11. Participated and Presented paper on," ALLELOPATHY OF *Limonia acidissima* L in UGC sponsored, National seminar on "" New vistas in plant science &

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- Biotechnology” organized by Dep. Of Botany New Arts commerce and science college Shegaon held on 2nd and 3rd August 2013.
12. Participated and Presented paper on,” Allelopathy of *Mangifera indica* L. on *Raphanus sativus* L. Var. ‘Hybrid -11’ in National level conference on “ Status , opportunities and challenges in Life Science” sponsored by University grant Commission (W.R.O.) , Pune organized by Department of Life Sciences, Radhabai Kale Mahila Mahavidyalaya, Ahmednagar.17, 18 19 September.2013
 13. Participated and Presented paper on,” **Effect of leachates of *Mangifera Indica* L. on germination & seedling growth of *pennisetumamericanum*(L.)K.Schum.U.G.C. Sponsored National seminar on “ Global warming & Its effect on Biodiversity”** organized by Dep. Of Botany New Arts commerce and science college Shegaon held on 27th& 28th December ,2013.
 14. New Arts Commerce & Science College, Parner on 18th & 20th October 2014 Participated and Presented paper on,” Studies on Allelopathy of *Gliricidia*. UGC Sponsored International Conference on “Environmental Issue and Sustainable Development” (ICEISD-2014) organized by Dept. of Zoology
 15. Participated and Presented paper on,” Allelopathy of *Gliricidia sepium* on *Raphanus sativus* L. Var. Japoni. In the National level conference on “ Interdisciplinary Approaches in Biochemical Sciences” organized by Radhabai Kale Mahila Mahavidyalaya, Ahmednagar.
 16. Participated and presented paper on,” Studies on Allelopathy of *Bauhinia*. pathardi in the section of Plant science during the 102nd **Indian Science Congress** held at Bombay University from 3rd to 7th January 2015.
 17. Participated and presented paper on ,” Allelopathic effect of Root extracts of *Mangifera indica* L on *Raphanus sativus* L. Var. Japonica and H¹¹. in National Conference on “ Advances in Life Sciences and Human Welfare” Sponsored by B.C.U.D. Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. Organized by Department of Botany Dr. Rafiq Zakaria College for Women. Aurangabad dated 18th February 2017.
 18. Participated and Presented paper on .” Allelopathic effect of *Mangifera indica* L Root extracts of on *Penisetum americanum* Var. M.L.B.H. 308 in National level conference on , “ Industry, Academia and Environmental Challenges” sponsored by Savtribai Phule Pune University, Pune. Organized by Department of Chemistry, Botany and Zoology Radhabai Kale Mahila Mahavidyalaya , Ahmednagar on 22nd and 23rd December 2017.
 19. Participated and Presented paper on .” Allelopathic effect of *Mangifera indica* L Root extracts of on *Penisetum americanum* Var. M.L.B.H. 308 in National Seminar on Recent Advances in Natural Sciences and Social Sciences.” Organized by Society for Development of New Life Sciences, Aurangabad in Collaboration with Department of Botany, Dr. B.A.M. University, Aurangabad . on 24th & 25th December 2017.
 20. Presented paper in an International conference on,” Allelopathy of *Limonia accidissima* L on *Raphanus sativus* L (Hybrid II)” Sponsored by B.O.D. Pune

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organized by New Arts, Commerce & Science College, Parner. Dist Ahmednagar on December 27-28th, 2018.

21. Presented a Paper on “ Allelopathic effect on the reproductive growth and yield in Bajara. (*Pennisetum americanum* K. Schum Variety G. K. at Ahmednagar College, Ahmednagar., India. Post Graduate, Dept. of Botany in Collaboration with AIMST University, Malaysia organises as International Conference on Recent Advances, Medicinal Plants and Phytochemistry (ICRATMMPP – 2019) sponsored by Savitribai Phule Pune University, Pune. 8th and 9th February 2019
22. Presented a research paper on **ALLELOPATHY OF *Gliricidia Sepium* (Jaeq.) Kunth Ex Walp. On on *Cyamopsis tetragonolobus* (L.) Taub. Variety *Sadafali*.** in National level Conference organised by Bhagwan Mahavidyalaya, Asthi on Recent Trends in Environmental Biodiversity, on 1st February 2020.
23. Presented a research paper in an international Conference organized by ASC college, Sonai on 28-29 February 2020.
24. 15 and 16 June 2021 :- Actively participated in 2nd international conference on climate change and its effect on environment, Food and society held and presented article entitled, ” Allelopathic effect of stem and root extract on *Mangifera indica* L non *Raphanus sativus* L Variety *Japani* and *Hybrid 11* via oral presentation.
25. 4th September 2021:- presented a research paper in entitled, ” Allelopathic effect of inflorescence extract of *Mangifera indica* L on *Raphanus sativus* L. Variety *Japani* and *H₁₁* in one day Multidisciplinary International E- conference on Changing perspective of Education jointly organized by Sow kesharbai (Kaku) Sonajirao Kshirsagar Arts, Commerce and Science College, Beed and Kalikadevi Arts, Commerce and Science College Shirur(KA)

Papers Presented in State Level symposia, Conferences, Seminars, etc.

1. Participated and presented research paper entitled, ” AkkalKot at Centre of tourism triangle” in state level seminar held on 13th & 14th February 2012 organized by Dept. of Geography Dadapatil Rajale College Adinathnagar sponsored by B.C.U.D. University of Pune
2. Participated and presented research paper in the state level seminar sponsored by Board of college of Agasti Arts, Commerce & Dadasaheb Rupwate Science College, Akole & University development (BCUD) University of Pune on 24th & 25th Feb. 2012
3. Participated and Presented paper on, ” Allelopathy of some Forest trees from Vridheshwar, Pathardi .Tahsil , Ahmednagar.in state level Conference on Biodiversity of Maharashtra Sponsored by Savitribai Phule Pune University, Pune. Organized by Arts, Commerce and Science College, Sonai. On 25th & 26th February 2018.
4. Presented paper on, “State Level Seminar on “ Recent Trends in Organic Farming held on 1st and 2nd February 2019 in Dept. of Botany at Shri. Dnyaneshwar Mahavidyalya Newasa.

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Participation in Workshops, Conferences, Seminars, Courses, etc.

- 1) Successfully completed the orientation programme conducted by Academic staff college, University of Pune during 3/09/1999 to 30/09/1999.
- 2) Attended and participated in the workshop on “ S. Y. and T.Y. B.Sc Botany syllabus” Sponsored by University of Pune held at the Dept. of Botany, Arts, Science & Commerce, Deolali Camp on 20th, 21th and 22nd Feb. 1999.
- 3) Successfully completed the Refresher course in Life Science- Botany programme conducted by Academic staff college, University of Pune during 20/12/2001 to 17/01/2002.
- 4) Participated in one day seminar on “Recent Advances in Biotechnology” sponsored by University of Pune and organized by Dept. of Botany Dadapati Mahavidyalaya, Karjat. Dist. Ahmednagar, held on 28th February 2002.
- 5) Participated in the workshop on “ Discussion and framing of S.Y. B.Sc. Botany, Syllabus sponsored by University of Pune at the Dept. of Botany, New Arts Commerce & Science College, Parner on 4th January 2003.
- 6) Participated in Earn and Learn Workshop workshop organized by Student welfare Dept. of University of Pune on 7 Oct. 2003.
- 7) Participated in Earn and Learn Workshop workshop organized by Student welfare Dept. of University of Pune on 15 Dec. 2004.
- 8) Delivered lecture on, “ Flowering plant” at Swami Vivekanand Vidyalaya, Munggaon on 16/11/2005.
- 9) Participated in the seminar on, “ Global Environmental issue” sponsored by University of Pune and organized by New Arts Commerce and Science College, Parner. Dist. Ahmednagar.
- 10) Donated Blood in blood donation camp organized by NSS and Jan Kalayan Rakta pedi A. Nagar at Tisgaon on 5/12/2009
- 11) Participated in 96th Indian Science Congress held at North Eastern Hill University, Shillong, from January 3 to 7, 2009.
- 12) Participated in two days conference entitled, “ Advances in the life science sponsored by University of Pune and organized by Dept of Botany and Zoology, Shri. Anand College, Pathardi. on 11th and 12th Feb. 2010.
- 13) Participated in the 10th orientation course for programme officers of the National Service Scheme held from 17th to 22nd Oct. 2011 at the NSS Empanelled Training Institute Ahmednagar College.
- 14) Successfully organised various programmes under the National Service Scheme for 3 years, from 2009 to 2012.
- 15) Participated in District level programme officers workshop at B.S. Thorat, Mahavidyalaya, Sangamner, Ahmednagar. On 13 Feb. 2013
- 16) Participated in one day workshop on practical Syllabus of S.Y. B.Sc. Botany W.e.f. June organized by Department of Botany, Nowrosjee Wadia College, Pune on 11th July 2014.
- 17) Participated in the 102nd Indian Science Congress held at University of Mumbai, Mumbai from January 3 to 7, 2015.

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Committee Work/ Extension work through N.S.S.

1. Organized one day district level seminar for college teachers on 18th January 2011.
2. Organized expert lecture series for six times in the college.
3. Worked as NSS Programme Officer during 2009-2012., 2016-2019 And organized various programme Viz, Blood Donation, Ganpati Festival, Teachers day, Makar sankranti, Raksha bandan, Essay competition, One day camp in College and Hiwali camp at Kamat Snigve, Dawale wadi and Mali Babulgaon.
4. Worked as chief of Earn and learn scheme, Exam Committee, Prod Nirantar etc.
5. Worked as a chief of Green audit of the college and Prepared the Internal green audit report of the college from 2017-2020.
6. Worked as chief of Campus development committee and done various activities such as Tree plantation, cleaning of the campus through N.S.S. and Earn and learn Scheme Students.

Examination Work done:-

1. Worked as Senior Supervisor at University Examinations.
2. Assessed university and college paper.
3. Worked as Examiner for practical and theory .
4. Worked as a member of LIC Committee at Akole.

Courses Taught at UG Level

1. Plant diversity 2. Plant Biotechnology 3. Morphology and anatomy 4. Tissue Culture
5. Angiosperms taxonomy 6. Plant Resources Management 7. Plant Ecology 8) Cell Biology and Seed technology 9) Computer and Biometry 10)