

CURRICULUM VITAE

Prof.Dr.Varsha Dilip Jadhav (Dr.Varsha Shyam Rathod)



Professor, Dept. of Botany

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National distinguish research award 2021 in the field of Ethno-pharmacognosy, received from IMFR, Institute of Higher education & Research, India

ACADEMIC CREDENTIALS

Name of Degree	Name of Institute	Name of University
Ph.D	Dept. of Botany	Sant Gadge Baba University, Amravati
M.Sc.	Dept. of Botany	SGB, University, Amravati
B.Sc	Vidya Bharti Science College Karanja Lad, Di. Washim	SGB, University, Amravati
H.Sc	S P M Jr. College Wani	Nagpur Board
S.Sc	S P M high school , Wani	Nagpur Board

Professor (AGP10000/) : 16/06/2018 onwards, Shivaji University

Associate Professor (AGP 9000/) : 16/06/ 2015, Shivaji University

Assistant Professor (AGP 8000/) : 16/06/2012, Shivaji University

Assistant Professor (AGP 7000/) : 16/06/2007, Shivaji University

Assistant Professor (AGP 6000/) :16/06/2003 , Shivaji University

Contributory lecturer :1997 to 2003, Amravati University

RESEARCH EXPERIENCE: 25 YEARS

TEACHING EXPERIENCE: 20 YEARS

Research Specialization: Ethnobotany, Pharmacognosy, Pharmacology and Nutraceutical

Topic of Ph. D.: **“Ethnobotanical and Pharmacognostical studies of some potential Psychoactive plants in Melghat forest and Amravati region of Maharashtra”**
21/11/2001

Research Guidance: M. Phil. Awarded (01) and Ph. D. Awarded (12)

M. Phil. Awarded (01)

Sr. No	Name of the student	Year of Joining	Title of the work	Awarded
1.	Ms. Swati R Deshmukh	Aug. 2008	Nutraceutical analysis of wild edible tuberous plants.	March 2011

Ph. D. Awarded (12)

Sr. No	Name of the student	Year of Joining	Title of the work	Ph.D. Awarded
1.	Ms. Sujata Valvi	June 2008	Nutritional and Medicinal attributes of some wild edible fruits.(UGC fellowship Rajiv Gandhi)	Awarded July 2012
2	Ms. Vaishali S. kamble	June 2008	Inventorization and Nutraceutical evaluation of some Traditional vegetables in Kolhapur.(BSR fellowship UGC)	Awarded 16 th May 2017
3	Mr A.V Patil	June 2010	Ethnobotanical & Pharmacognostical studies of some medicinal plants of Kolhapur District (MS) India.	Awarded 24 th Nov. 2014
4	Mr S D Mahadkar	Dec. 2010	Nutraceutical studies & Documentation of wild edible plants of Kolhapur district. (Project fellow, Gov. Of Maharashtra)	Awarded 17 th Dec.2014
5	Ms. Swati Deshmukh	June 2011	Pharmacognostical & Nutritional status of <i>Clitorea ternatea</i> L.	Awarded 3 rd July 2015
6	Ms. Poonam C. Patil	June 2011	Ethnopharmacognostical & Nutraceutical studies of the genus <i>Antidesma</i> L.(BSR fellowship UGC)	Awarded 19 th June 2017
7	Ms. Seema More	June 2010	Bioactivity of famine food plants from the genus <i>Brachystelma</i> . R.Br. (BSR fellowship UGC)	Awarded 14 th Dec.2017
8	Vaibhav Kalase	June 2012	Bioactive potential of <i>Holigarna grahamii</i> (Wight). Kurz.	Awarded 20 th May 2019
9	Mr. Jagdish Dalvi	July 2017	Flora of Badami district and Bioprospecting of selected plant species.(Project fellow, DBT)	Awarded 2 nd Dec.2021

10	Ms. Madhuri Suryawanshi	July 2016	Nutritional profiling and antioxidant analysis of some edible plant species of Anacardiaceae.(GJDRF fellowship of	Awarded on 25 th July 2022
11	Mr. Kuldip D. Gurav	July 2016	Nutraceutical studies on some wild plants of family Rutaceae.	Awarded 17 Dec.2022
12	Mr. Vilas Patil	July 2018	Domestication of some species of <i>Rhynchosia</i> : An underutilized vegetable (DST-PURSE fellowship)	Awarded on 23 rd July 2022
13	Ms. Deepali Jagtap	July 2016	Nutraceutical evaluation of tribal pulses from the genus Bauhinia. (DRF fellowship of Shivaji University)	Submitted

Ph.D. / M.Phil. Working students

Sr. No	Name of the student	Year of Joining	M.Phi /Ph.D	Title of the work/ Fellowship	Status
1	Ms. Priyanka S. Patil	July 2017	Ph.D	Biochemical and molecular analysis of <i>Bridalia</i> species (SARTHI fellowship)	Working
2.	Ms. Neha Magdum	July 2018	Ph.D	Nutraceutical and Medicinal attributes of some species of <i>Portulaca</i> . (SARTHI fellowship)	Working
3	Ms. Yugandhara Chandanshive	July 2022	Ph.D.	Domestication and Nutraceutical studies of <i>Nothopegia castenifolia</i> . Ding. Hou.	Working
4	Mr. Sidharth Katkole	Dec.2022	Ph.D.	“Exploring nutritional potential and domestication of <i>cajanus scaraboidea</i> (L.) Underutilized pulses”.	Working
5	Mr. Ajinkya Berde	Dec. 2022	Ph.D.	Bioactive potential and haematological studies of two newly described species of <i>portulaca</i>	Working
6					

Research Publications: 94

1 U S Chaudhari, **Varsha Rathod** & G N Wankhede 2001: Effect of water extract of Bark of *Buchanania lanzan* Linn. on behaviour and chromatophores of a fresh water fish *Labeo rohita*, J. Environmental Biol. Vol.22(3), pp.229-231.

2 **Varsha Rathod** & U S Chaudhari 2002 : Psychoactive effect of leaf extract of *Vigna trilobata* Linn. on a fresh water fish *Labeo rohita*, Int. J. Flora & Fauna, Vol 8(2) pp, 101-103

3 **Varsha Rathod** & U S Chaudhari 2004: Ethnobotany of some potential psychoactive plants of Melghat forest in Amravati District of Maharashtra, J. Swami Bot. Club. 21 (1 & 2): 23-26.

4 **Varsha Rathod** & U S Chaudhari 2004: Ethnopharmacognostical survey on *Caesalpinia decapetala* Roth (Alston). J Bioinfolate 2(2):132-136.

- 5 Varsha Rathod** & U S Chaudhari 2004 :Pharmacognostical studies on leaf of *Butea superba* (Linn) Int. J. Flora & Fauna, 10(2): 132-134
- 6 Varsha Rathod** and U S Chaudhari 2006: Effect of leaf extract of *Biophytum sensitivum* on fish *Labeo rohita*. J. Adv. Sci. and Tech.,9 (I&II), June, Dec., 2006, 77-81.
- 7 Rathod, V. S.** and Valvi, S.R. 2011: Antinutritional factors of some wild edible fruits from Kolhapur district. Rec. Res Sci Tech. **3 (5)** :68-72
- 8 Deshmukh S R,** Valvi S. R. and **Rathod V S** 2011: Ethnobotanical observations on wild edible tuberous plants of Satara District. J Adv. Plant. Sci., **24 (I)** : 343-345.
- 9 Varsha Rathod** 2011:Ethnopharmacognostical studies of *Thevetia peruviana* (pers) *K.Schum*; A potential psychoactive plant. J. *Bio.sci.disc.*, **2(1),139-142.**
- 10 Varsha Rathod 2011:** Ethnopharmacognostical studies of *Capparis zeylanica* Linn. A potential psychoactive plant J. Phra. Res. **4(3):**910-911.
- 11 Shivprasad Mahadkar,** Sujata Valvi and **Varsha Rathod (Jadhav)** 2012:Screening of some ant nutritional factors from wild edible plants. J. Nat. Prod. Plant Resour. 2(2):251-255.
- 12 Patil A.V., Rathod V.S.** and Waghmare M.B. 2012: Ethnobotanical survey of folklore plants for the treatment of kidney stone and piles in Chandgad Tahsil (District Kolhapur) of Maharashtra, India. J. Adv. plant. Sci. 25(2):725-727
- 13 Patil P.C.,** Kalase V.L., More S.R. and **Jadhav V.D.** 2012:Ethnobotanical survey of some medicinal plants used by local people of Patan Tahsil in Maharashtra. J. Adv. Plant. Sci. 25(2) : 719-724..
- 14 Shivprasad Mahadkar and Varsha Jadhav 2013:** Traditional uses of some wild edible plants from Kolhapur district, Life sci. leaflets. **5:**19-26.
- 15 Vaibhav Kalase and Varsha Jadhav (Rathod)** 2013: Preliminary Phytochemical and Antibacterial studies on Leaf and Bark of *Holigarna grahamii* (Wight) Kurz. (Anacardiaceae). J. App. Pharm. Sci., 3(06):111-113.
- 16 Shivprasad Mahadkar,** Sujata Valvi and **Varsha Rathod** 2012: Nutritional assessment of some selected wild edible plants as a good source of Minerals. Asian J Plant Sci. and Res. 2(4) : 468-472.
- 17 Valvi, S. R. and Rathod, V. S.** 2011: Mineral composition of some wild edible fruits from Kolhapur district Int. J. Appl. Biol. Phar. Tech, **2 (1):** 392-396.
- 18 Valvi, S. R.,** Deshmukh, S.R. and **Rathod, V. S.** 2011:Ethnobotanical survey of wild edible fruits from Kolhapur district. Int. J. Appl. Biol. Phar. Tech., **2(1)** : 194-197.
- 19 Sujata Valvi, V S Rathod** and D P Yasane 2011:Screening of three wild edible fruits for their antioxidant potential. Curr.Bot.**2(1):** 48-52
- 20 Sujata Valvi,** D P Yasane and **V S Rathod** 2011: Isolation of antioxidant enzymes from wild edible fruits at mature and ripened stage Curr. Bot. **2(1):**53-55.
- 21 Varsha Jadhav** and Mahadkar, S. D., Valvi, S. R., 2011: Documentation of wild edible plants from Kolhapur district. J. Rec. Res. Sci. & Tech,**3(12):** 58-63
- 22 Deshmukh S. R.* and Rathod V.** 2013: Nutritional composition of wild edible *ceropegia* tubers, Advances in Applied Science Research, 2013, 4(1):178-181.
- 23 Poonam C. Patil,** **Varsha D. Jadhav (Rathod)** and Shivprasad D. Mahadkar 2013:Pharmacognostical studies on leaf of *Antidesma ghaesembilla* Gaertn, A promising wild edible plant. *Der Pharmacia Sinica*, 2013, **4(3):**136-142
- 24 Shivprasad Mahadkar, Varsha Jadhav(Rathod)** and Swati Deshmukh 2013: Antioxidant

- activity of some promising wild edible fruits. *Der Chemica Sinica*, 2013, **4(3)**:165-169.
- 25 Varsha Jadhav**, Swati Deshmukh and Shivprasad Mahadkar 2013: Evaluation of antioxidant potential of *Clitoria ternata*.L. *Int. J Phar and Pharmaceutical sci.*5(2):595-599.
- 26 Vaishali S. Kamble and Varsha D. Jadhav** 2013: Traditional Leafy Vegetables: A Future Herbal Medicine. *Int. J. Agri. & Food Sci.*3(2):56-58.
- 27 Arun V. Patil, Varsha D. Jadhav (Rathod)** and Poonam C. Patil 2013: Ethnomedicinal and Pharmacognostical studies on Leaves of *Toddalia asiatica*. *Der Pharmacia Sinica*, 2013, **4(4)**:76-80
- 28 Swati Deshmukh and Varsha Jadhav** 2013: GC-MS studies of *Clitoria ternata* L. A medicinally important plant. *Indo American J. Pharmaceutical Sci.* **3(7)**:2231-6876.
- 29 Shivprasad Mahadkar, Sujata Valvi and Varsha Jadhav** 2013: Gas chromatography Mass Spectroscopic (GCMS) analysis of some bioactive compounds from five medicinally relevant wild edible plants, *Asian J. pharmaceutical and clinical res.*6(1):136-139.
- 30 Vaibhav Kalase and Varsha Jadhav** 2013: Pharmacognostical evaluation of leaf of *Holigarna ghrahmii* (wight)kurz:an endemic plant to western ghats. *Asian J. pharmaceutical and clinical res.*6(2):105-108.
- 31 Swati Deshmukh and Varsha Rathod** 2013: Nutritional evaluation of some wild edible tuberous plants *Asian J. pharmaceutical and clinical res.*6(2):58-60.
- 32 Swati Deshmukh and Varsha Jadhav** 2013: GC-MS studies of *Clitoria ternata* L. A medicinally important plants. *Indo American J. Pharmaceutical Res.* **3(7)**:2231-6876
- 33 Poonam patil*, Varsha Jadhav (rathod)** ,2014:pharmacognostical evaluation of *antidesma acidum* retz. leaf: a wild edible plant, *J ADV SCI RES*, 2014, 5(1): 28-31
- 34 Swati Deshmukh and Varsha Jadhav** .2014 : Bromatological and Mineral assessment of *Clitoria ternatea* (L) leaves. *Int J Pharm Pharm Sci.* **6(3)**, :244-246, Impact factor 1.59
- 35 More Seema Rajaram and Jadhav Rathod, Varsha Dilip**, 2014 : Pharmacognostical studies on the tuber of *Brachystelma edulis* coll. and helmsl. - an endemic to peninsular, India. *Wjpps* , 3,(6), : 1958-1965 Impact Factor 2.7
- 36 Valvi SR, Gadekar SS and Jadhav VD**2014: Phytochemical assessment of five wild edible fruits. *Int. J. of Life Sciences*, 2014, Vol. 2(2): 168-172. ISSN: 2320-7817.
- 37 Swati R. Deshmukh* and Varsha D. Jadhav** 2014: Haematological parameters of Indian goats fed dried *Clitoria* leaves based Diets, *European Journal of Experimental Biology*, 2014, 4(4):73-77.ISSN: 2248 –9215 CODEN (USA): EJEBAU
- 38 S.R. Valvi, V.D. Jadhav, S.S. Gadekar, D.P. Yesane** , 2014: Assessment of bioactive compounds from five wild edible fruits, *Ficus racemosa*, *Elaeagnus conferta*, *Grewiatillifolia*, *Scleichera oleosa* and *Antidesma ghaesembilla*. *Acta Biologica Indica* , 2014,3(1):549-555.
- 39 Arun Patil*, Varsha Jadhav (Rathod)**, Akalpita Arvindekar and Tanaji More 2014: Antidiabetic Activity of *Maesa indica* (Roxb.) Stem Bark in Streptozotocin Induced Diabetic Rats. *AJPCT*[2][8][2014]957-962.ISSN 2321 – 2748 **Impact Factor : 3.266 | IC Value : 4.76 (2012) | ISSN : 2321 – 2748**
- 40 Swati Deshmukh and Varsha Jadhav (Rathod)** 2014: Antioxidant activity of some wild edible tuberous plants. *Int J Pharm* 2014; 4(4):236-239.
- 41 Swati Deshmukh and Varsha Jadhav (Rathod)** 2014: Ethnopharmacognostical Screening of *Clitoria ternatea* Linn. *International Journal of PharmTech Research*,6,(2),: 769-774. ISSN : 0974-4304

- 42 Arun Patil, and **Varsha Jadhav (Rathod)** 2014: GC-MS Analysis of Bioactive Components from Methanol Leaf Extract of *Toddalia asiatica* (L.) Int. J. Pharm. Sci. Rev. Res., 29 (1): 18-20.
- 43 Seema More & **Varsha Jadhav** 2016: Pharmacognostic Evaluation & phytochemical analysis of leaves of *Brachystelma edulis* coll.& Helmsl. WJPPS. 5 (1): 963- 970 IF-5.2.
- 44 Poonam Patil & **Varsha Jadhav (Rathod)** 2016: Bromatological and nutritional screening on leaves of two species of *Antidesma* l. WJPPS 5(4):1647-1660 IF.6.041
- 45 Mahadkar Shivprasad*1, Valvi Sujata2, **Jadhav Varsha 2016**: Bromatological Analysis from Medicinally Relevant Wild Edible Plant Parts. *Int. J. Innovative Res. Medical Sci.* 1(3):72-76.
- 46 Patil A V & **Jadhav V D (Rathod)** 2016: Pharmacognostical and Phytochemical studies of stem Bark of *Maesa Indica* (Roxb.), *Uniqe J. Pharmaceutical & Biological Sci.* 43): 5-8.
- 47 Vaishali Kambale & **Varsha Jadhav** 2016: Polyphenol content of some Traditional leafy vegetables in Kolhapur District of Maharashtra. *J. Pharm. Med. Res.* 2(2) 2016: 66- 67
- 48 Poonam Patil & **Varsha Jadhav** 2017: Nutritional and Antioxidant Assessment of Fruits of *Antidesma acidum* Retz. *Int. J. of Pharmacy & Pharmaceutical Res.* :8,(3): 1-13
- 49 Vaibhav Kalse & **Varsha Jadhav** 2014: GC-MS analysis of Bioactive compounds in methanolic extract of *Holigarna grahamii* (weighe) Kure, *Int.J. Herbal medicine* 2(4):31-35
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- 51 **Jadhav Varsha**, More Seema 2017: Bromatological and Mineral Analysis of Tuber of Two Nutritionally Rich *Brachystelma* Species. *IJPPR*, 10(2): 194-201
52. Patil A V & **Varsha Jadhav** 2018. Determination of Bioactive components from methanol leaf extract of *Cipadesa Baccifera* (Roth) Miq. By GCMS analysis. *Int. J. Res. Biosci. & Agri. Techno.* 5 (special issue 3) : 216-219.
- 53 Surywanshi Madhuri & **V D Jadhav** 2018: Phytochemical, Proximate and Antioxidant analysis of Fruits of *Semicarpus anacrdium*. *Int. J ife Sciences Sp. Issue A10 January 2018*; PP: 57-61
- 54 Gurav K D & Jadhav V D 2018 : Proximate and mineral analysis of fruit of *Zanthoxylum rhetsa* DC. and *Glycosmispentaphylla*. (Retz) DC: *Int. J Life Sciences. Sp. Issue A10 January 2018*; PP. 48-52
- 55 Koshti O A & **Jadhav V D** 2018 : Experimental investigation and the importance of litter fall. *International J of Life Sciences. . Sp. Issue A10 January 2018*; PP: 53-56
- 56 Arun Patil & Varsha Jadhav (Rathod) 2018: Ethnomedicinal & Pharmacognostical studies on the leaves of *Caesaris championii* thw., enum. Aarhat Multidisciplinary, *Int. Edu. Res. Journal.* 7 (Special issue ix) :5-10, ISSN 2278-5655.
- 57 Mahadkar Shivprasad, **Jadhav Varsha** 2018: GC-MS Screening of Some Bioactive Compounds from Methanolic Extract of Medicinally Relevant Wild Edible Plant Parts. *International Journal of Scientific Research in Science and Technology*, 4 (3):49-56.
- 58 More Seema & **Jadhav Varsha** (2018) : Pharmacognostical and phytochemical studies of *Brachystelma malwanense*: A wild edible plant. *World J. pharmacy & Pharmaceutical Sci.* 7, (8) : 946-956, ISSN 2278 – 4357, SJIF Impact Factor 7.421

- 59** Kuladip Gurav and **Varsha Jadhav (Rathod)** (2018): GC-MS analysis of methanol extract of *Zanthoxylum rhetsa* DC. Fruits. Asian J. Pharmaceutical & Clinical Research,11(12) : 247-254. Online - 2455-3891 Print - 0974-2441,
- 60** Jagdish Dalavi^{1*}, Pradip Deshmukh, **Varsha Jadhav** & Shrirang Yadav.2018: Two new species of *Portulaca* (Portulacaceae) from India. *Phytotaxa* 376(1): 068–076 [com/http://www.mapress.jp/](http://www.mapress.jp/) Copy right © 2018 Magnolia Press.
- 61** Jagtap Dipali & **Varsha Jadhav** (Rathod) (2019) : Phytochemical and Proximate analysis of seeds of *Bahunia racemosa* Lam.J. Advance Scientific Research 10 (1): 54-64.
- 62** Jagdish Dalvi,Sharad Kamble, **Varsha Jadhav** and S R Yadav (2019): Forest flora of Badami , Hills, Bagalkot district Karnataka, *Phytotaxa*,**393(3):**204-250.
- 63** Jagdish Dalvi, Sneha Bramhadande , **Varsha Jadhav** and S R Yadav (2018): On the occurrence of *Rorippa dubia* H. Hava (Brassicaceae) in the state of Karnataka and notes on its correct identity. J. Indian forester,*Indian Forester*, **145** (3) : 194-195, 2019 , <http://www.indianforester.co.in>
- 64** Jagdish V. Dalavi*, Rupali N. Chougule¹, **Varsha D. Jadhav**and Shrirang R. Yadav (2019): Variation in Seed Micromorphology in *Portulaca* L.(Portulacaceae) in India. J.Phytomorphology, **69 (1 & 2):** 15-24.
- 65** Poonam Patil & Varsha Jadhav (Rathod):Nutritional, Antioxidant and GCMS Screening of *Antidesma Montanum* bl. Leaves. SSRG International Journal of Medical Science (SSRG-IJMS), 6(8): 1-9, Aug 2019. ISSN: 2393 – 9117.
- 66** Kuldip Gurav & Varsha Jadhav (Rathod): Single step green process for the preparation of antimicrobial nanotextiles by wet chemical sonochemical methods. The J. The Textile Institute:1-17
<https://www.tandfonline.com/doi/full/10.1080/00405000.2019.1697160?scroll=top&needAccess=true> 2019.
- 67.** Priyanka Patil & **Varsha Jadhav (Rathod)**: GCMS analysis of methanolic extract of *Bridelia retusa* (L) a JUSS fruit. J.Bioinformate, 18 (B): 161-162.2021.
- 68.** Vilas T. Patil*, **Varsha D. Jadhav**: GC-MS and FTIR analysis of methanolic leaf extract of *Rhynchosia minima* (L.) DC. Current Botany 2020, 11: 221-225 doi: 10.25081/cb.2020.v11.6415 <https://updatepublishing.com/journal/index.php/cb>.
- 69.** Jagdish Dalavi , Ramesh Pujar , Sharad Kambale , **Varsha Jadhav-Rathod** & Shrirang Yadav: Legumes (Angiosperms: Fabaceae) of Bagalkot District,Karnataka, India. **Journal of Threatened Taxa** | www.threatenedtaxa.org | **26 April 2021** | **13(5): 18283–18296**
- 70.** Patil AV and **Jadhav VD (Rathod)**: Identification of bioactive constituents from leaves of *Casearia championii* by GC-MS analysis. UJPBS, 09 (01): 1-3. Unique journal of pharmaceutical and biological sciences, 2021).
- 71.** Patil Arun and **Jadhav Varsha**: Bioactive component in leaf extract of *Leucas stelligera* Wall. Bioinformate, 18(2):232-234.ISSN: 0973-1431, 0976-4755.April 2021.
- 72.** Madhuri Suryawanshi, Vilas Patil, **Varsha Jadhav (Rathod)***2021:
Biochemical composition, nutritional analysis and antioxidant activity of *Buchanania lanzan* Spreng fruits. Current Botany , 2021, **12**: 180-187. doi: 10.25081/cb.2021.v12.6852. ISSN 2220-4822.
- 73** Arun Patil & **Varsha Jadhav (Rathod)** 2016: Determination of Bioactive components from Methanol leaf extract of *Lobelia nicotianaefolia* Roth. By GC-MS analysis. PP-192-195. ISBN

978-81-924850-2-7 International conference on Plant Research and Resource Management , 11-13 Feb. 2016.

74 Varsha Jadhav & Poonam Patil 2016: In Vitro Assessment of Methanolic extract of *Antidesma ghaesembilla* Gaertn. Leaves. PP 317-321 **ISBN 978-81-924850-2-7** International conference on Plant Research and Resource Management ,11-13 Feb.2016

75 Valvi S.R , V D Jadhav ,S R Gadekar & Anhalkar 2016: Nutritional and Phytochemical analysis of three wild edible fruits. PP 378-381. **ISBN 978-81-924850-2-7.**

76. Neha G. Magdum¹, Varsha D. Jadhav (Rathod)¹ 2021: Biochemical Composition and Nutritional Analysis of Leaves of *Portulaca*. International e-Conference on New Horizons And Multidisciplinary Applications In Science And Technology, In Association with International Journal of Scientific Research in Science and Technology 9 (6): 723-732. Print ISSN: 2395-6011 | Online ISSN: 2395-602X (www.ijrst.com).

77. Madhuri Suryawanshi¹, Vilas Patil¹, Varsha Jadhav (Rathod)¹, 2021 : Antioxidant Potential and Secondary Metabolites in the Fruits of *Spondia Pinnata* (L. F) Kurz. International Journal of Scientific Research in Science and Technology 9 (6):703-717.

78. Vilas T. Patil¹, Madhuri V. Suryawanshi¹, Varsha D. Jadhav (Rathod) 2021: Chemical Composition & Nutritional Assessment of Seeds of Underutilized Wild Legume *Rhynchosia* Lour. International Journal of Scientific Research in Science and Technology 9 (6): 689-702

79. Vilas T Patil, Madhuri V Suryawanshi, Varsha D Jadhav^{2*}, Kailas D Sonawane, Priyanka S Dhotare 2021: Bioprospecting of *Rhynchosia rufescens* (Willd.) DC. an underutilized wild vegetable. International Journal of Botany Studies, **6,(6)**, 2021: 1130-1138. www.botanyjournals.com ISSN: 2455-541X. Thomson Ruter.

80. Priyanka Patil, Jadhav V D Rathod, Ruddhi Jagtap, Sonawane K D 2022: Biochemical assesment of leaves and stem bark of *Bridelia montana* (Roxb). Willd, International Journal of Botany Studies , **7(3):34-47.** www.botanyjournals.com, ISSN: 2455-541X , Thomson Ruter.

81. Arun Patil & Varsha Jadhav (Rathod) 2022: Ethnobotanical investigation on the leaves of *Lucas stelligera* Wall. Bioinformate, **19 (1): 83-84.**

82. Arun Patil & Varsha Jadhav (Rathod) 2022: Bioactive constituents in methanol leaf extract of *Pavetta crassicaulis* Bremek. **19 (1): 31-33.**

83 Priyanka Suresh Patil, Varsha Dilip Jadhav 2022: Bioactive potential of *Bridelia retusa* (L.) A.Juss. plant: A wild edible plant. Journal of Drug Research in Ayurvedic Sciences - Volume 7, Issue 1:55-61. , January-March 2022.

84 K D Gurav, & V D Jadhav Rathod 2022 : Nutritional potential and ethnobotanical documentation of some wild edible fruits of family rutaceae. International Journal of Botany Studies, www.botanyjournals.com ISSN: 2455-541X Received: 24-02-2022, Volume 7, Issue 3, 2022, Page No. 211-217.

85. Arun Patil & Varsha Jadhav (Rathod) 2022 : Chromatographic analysis of *Wedlandia thyrsoides* (R. & S.) leaf by HPLTC technique. Bioinformate, **19 (3): 280-284**

86. Poonam Panaskar, Manasi Patil, Kamlakar Patil, Sharada Ghadage and Varsha Jadhav: 2023: Nutritional and in vitro antioxidant properties of *Manilkara hexandra roxb.* Fruit. YMER, 22 (01):101-112.

87 Arun Patil & Varsha Jadhav 2022: Physico Chemical evaluation of leaves *Pavetta crassicaulis* BREMEK. Indian Journal Applied research, 12(11):29-34.

88 Arun Patil & **Varsha Jadhav 2022** : HPTLC Finger Print profile of *Cipadessa Bacifera* (ROTH)MIQ. Leaves, Bioinformate 19(4): 402-405.

89 Deepali Jagtap & **Varsha Jadhav (Rathod) 2023**: Nutraceutical potential of seed of *Bahunia variegata* L. J. Zeichen 9(2):12(3):126-136.

90 Vilas Patil & Varsha Jadhav 2022:“Fourier transform infrared spectroscopy (FTIR) spectroscopic studies in immature & mature seeds of some species of genus Rhynchosia: An underutilized wild vegetable. Current Botany.

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92 Arun Patil & **Varsha Jadhav 2023**: Traditional uses of medicinal plants in treating snake bite and skin diseases in Chandgad tehsil of Kolhapur district of Maharashtra, India. J. research & Development14(19): 34-36.

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6 Varsha Rathod & U S Chaudhari 2004 : Pharmacognostical studies on leaf of *Desmodium polycarpum* (Dc). Seminar on Botany and Industry organized by Dept. of Botany Shivaji University, Kolhapur on 21 st Feb 2004.

7 Varsha Rathod & U S Chaudhari 2004: Ethnopharmacognostic survey on *Caesalpinia decapetala* Roth (Alston). National conference on plant diversity Organized by Dept of Botany

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8 Varsha Rathod & U S Chaudhari 2006:Effect of leaf extract from *Caesalpinia decapetala*; a potential psychoactive plant on fish *Labeo rohita*. Presented in National symposium on Issues and Challenges on Environmental Management for The vision 2025. Organized by Dept. Environment Science , Dr Babasaheb Ambedkar University, Lucknow from 17th to 19th Feb 2006.

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11 Swati Deshmukh, Sujata Valvi and Varsha Rathod 2009: Ethnobotanical uses of some wild edible tuberous plants of Satara district, presented in national conference on Herbal and Traditional medicines was held at Dapoli Urban Bank Senior Science college, Dapoli.on 6th and 7th Feb.2009.

12 Varsha Rathod 2009: Organic farming, Research article, presented in National workshop on Ex situ Conservation in Maharashtra, 60-63.orgnized by Dept of Botany Shivaji University, Kolhapur.

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medicinal plants used by local people of Patan Tahsil in Maharashtra. National conference on recent trend in plant Sci. from 3rd to 5th Feb. 2012, pp.88.

21 V. D. Jadhav (Rathod) and P Patil 2012: Preliminary phytochemical investigation of *Antidesma acidum* Retz. Leaves and stem bark. National seminar on Medicinal plants : Status and Future 6th& 7th Nov.2012, organized by Dept. of Botany, Shivaji University, Kolhapur PP 41.

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29 Valvi S R , Gadekar S S Jadhav V D Yesane D P 2014 : Ethnobotanical , Proximate , Phytochemical and antioxidant analysis of *Cordia dichotoma* L. Fruit.National conference on Lifesciences: An outlook and challenges (NC-LSOC-2014) , Organized by Dept. of Life sciences, Dahiwadi college Dahiwadi.

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46 Gurav K D &**Jadhav V D** 2018 : Proximate and mineral analysis of fruit of *Zanthoxylum rhetsa* DC. and *Glycosmispentaphylla*.(Retz)DC:National conference on Recent advances in Zoology (RAIZ -18),on 13th Jan 2018, Dept. of Zoology Raje Ramrao Mahavidyalaya Jath.

47 Koshti O A &**Jadhav V D** 2018 :Experimental investigation and the importance of litter fall National conference on Recent advances in Zoology (RAIZ -18),on 13th Jan 2018, Dept. of Zoology Raje Ramrao Mahavidyalaya Jath.

48Dipali N. Jagtap, **Varsha D. Jadhav (Rathod)*** 2019:Phytochemical and Proximate analysis of seeds of *Bauhinia tomentosa* L.National conference on Mangroves and Costal resources on 12th April 2019, In association of Mangroves Society and Forest Department, Gov. of Maharashtra.pp.25

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50Madhuri Suryawanshi and ***Varsha Jadhav (Rathod)**: Nutritional evaluation of Ripen and Unripen fruit of *Rhus sinuata*.National conference on Mangroves and Costal resources on 12th April 2019, In association of Mangroves Society and Forest Department, Gov. of Maharashtra. pp25

51Vilas .T.Patil And **Varsha .D.Jadhav** : GC-MS & FTIR Analysis of Bioactive Compounds in Methanolic Leaf Extract of *Rhynchosia minima* (L.) DC.National conference on Mangroves and Costal resources on 12th April 2019, In association of Mangroves Society and Forest Department, Gov. of Maharashtra.pp.26

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53 Dalvi Jagdish, **Jadhav Varsha**& Shrirang Yadav 2019: Flowering plants endemic to India found on Badami Hills Bagalkot District, Karnataka National conference on Mangroves and Costal resources on 12th April 2019, In association of Mangroves Society and Forest

Department, Gov. of Maharashtra.Organized by Dept. of Botany, Shivaji University, Kolhapur,pp 21.

International conferences:

1 Varsha Rathod & U S Chaudhari 2005: Ethnopharmacological studies of *Biophytum sensitivum* (Linn), presented in International conference, organized By Dept. of Botany , Amravati University Amravati on 17th Feb to 20th Feb

2 Varsha Rathod 2006:Ethnopharmacognostical survey of *Thevetia peruviana*. Presented in International conference on Angiosperm Taxonomy was held at Agharkar Research Institute Pune on 17th to 19th Oct.

3 Varsha Rathod 2007: Ethnopharmacognostical studies of *Capparis zeylanica* Linn. A potential psychoactive plant presented in International conference on Angiosperm Taxonomy was held at Dept. of Botany Shivaji University Kolhapur on 19th to 21st Nov. 2007.

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5 Rathod Varsha, Deshmukh S R2010: Nutraceutical studies on wild edible tuberous plants. Presented in Int. conference held at BAM University, Aurangabad on 2nd to 4th Sep. 2010.

6 Valvi S R, Deshmukh S R. and **Rathod V S.** 2010: Ethnobotanical survey of wild edible Fruits in Kolhapur district. Presented in Int. conference at BAM University, Aurangabad on 2nd to 4th Sep. 2010.

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11 Patil Poonam and Varsha Jadhav (Rathod) 2012:Pharmacognostical studies on leaf of *Antidesma ghaesembilla* Gaertn. A promising wild edibleplant. International conference on Angiosperms and Systematics, on 26th Oct to 28th Oct.2012, organized by Dept. of Botany, Amravati University Amravati

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- 30** Omkar Koshti, Dipali Gadhire, N S Chavan & **V D Jadhav** 2016: Ecological observations on Litter fall“XXVI annual Conference of Indian Association for angiosperm Taxonomy and International Seminar on Conservation and Sustainable Utilization of Biodiversity, organized by Dept. of Botany, Shivaji University, Kolhapur from 7th to 9th Nov. 2016
- 31** Patil A V & **Varsha Jadhav** 2017. Determination of Bioactive components from methanol leaf extract of *Cipadesa Baccifera* (Roth) Miq. By GCMS analysis. 3rd Int. conference on Innovative Research in Science and Technology 7 & 8, Nov. 2017, Gopal Krishna Gokhale, College.
- 32** Dipali N. Jagtap, Varsha D. Jadhav 2018: Pharmacognostical and Nutraceutical analysis of seed of *Bauhinia racemosa* Lam. International Conference on “Advanced Research in Life Sciences” (ICARILS-2018) 27th& 28th March, 2018 Organized By Sadguru Gadage Maharaj College, Karad In collaboration with Shivaji University, Kolhapur.PP 52
- 33** Madhuri Suryawanshi and Varsha Jadhav (Rathod) 2018:Phytochemical and Proximate analysis of fruits of *Buchanania lanzen* Spreng. International Conference on “Advanced Research in Life Sciences” (ICARILS-2018) 27th& 28th March, 2018 Organized By Sadguru Gadage Maharaj College, Karad In collaboration with Shivaji University, Kolhapur.PP56
- 34** Vaibhav Kalase, Gaurav Lohar and **Varsha Jadhav (Rathod)** 2018: Physical analytical tools for the investigation of bioactive potential of *Holigarna grahamii* (Wight) Kurz. International Conference on “Advanced Research in Life Sciences” (ICARILS-2018) 27th& 28th March, 2018 Organized By Sadguru Gadage Maharaj College, Karad In collaboration with Shivaji University, Kolhapur. PP 97
- 35** Arun Patil and **Varsha Jadhav** 2018: Determination of Bioactive Components From Methanol Root Extract of *Clerodendrum serratum* (L.) Moon. By GC-MS analysis. International Conference on “Advanced Research in Life Sciences” (ICARILS-2018) 27th& 28th March, 2018 Organized By Sadguru Gadage Maharaj College, Karad In collaboration with Shivaji University, Kolhapur. PP 105.
- 36** Kuldip Gurav and **Varsha Jadhav(Rathod)** 2018:Proximate analysis and Mineral composition of some selected wild edible fruits of family Rutaceae. XXVIII Annual conference

of IAAT and International symposium on conservation of angiosperm diversity, on 29th to 31st Oct. 2018, Organized by Dept, of Botany M S University Baroda, Gujarat.pp 156

37 Jagdish Dalvi, S R Yadav & **Varsha D Jadhav** 2018 : An account on genus *Portulaca* L(*Portulacaceae*) from Bagalkot district(Karnataka India) with two new species.XXVIII Annual conference of IAAT & International symposium on conservation of angiosperm diversity, Organized by Dept, of Botany M S University Baroda, Gujarat .pp 10

38 Madhuri Suryawanshi & **Varsha Jadhav(Rathod)**2018: GC-MS Analysis of methanolic extract of *Semicarpus anacardium L.F. and Buchanania lanzan Spreng* Fruits.XXVIII Annual conference of IAAT and International symposium on conservation of angiosperm diversity, Organized by Dept, of Botany M S University Baroda, Gujarat .pp 133-134.

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40 Kamble Vaishali & **Jadhav Varsha** 2018:Inventorization of Some Traditional Vegetables In Kolhapur District, International Conference on Materials and environmental Science (ICMES),December07- 08, 2018pp 147.

41 Patil A H,S A Jadhav,K D Gurav, V L Patil, C R Patil, G D Patil, **Varsha Rathod**& Promod S Patil 2018: Green synthesis of silver nanoparticles using *Zanthoxylum rhetsa* fruit extract & its antibacterial activity.IIIrd Int. conference on Advances in Material Science (ICAMS-2018), 27- 29th Dec.2018 at Raje Ramrao Mahavidyalaya Jath. Pp 82

42 Vaibhav Kalase* and **Varsha Jadhav** 2019: Reverse Phase Ultra Flow Liquid Chromatography(RP-UFLC) analysis of Mangiferin from *Holigarna grahamii* (Wight) Kurz. An International conference on Recent Advances in Traditional medicinal plants and Phytochemistry, 8-9 Feb2019, Organised by Ahmednagar College, Ahmednagar& AIMST University Malaysia.pp 107

43 Patil Arun Vishnu and **Jadhav (Rathod) Varsha Dilip** 2019:Ethnobotanical and Phytochemical studies on the leaves of *Casaria Championii THW., ENUM*. An International conference on Recent Advances in Traditional medicinal plants and Phytochemistry, 8-92019, Organised by Ahmednagar College, Ahmednagar & AIMST University Malaysia.pp 114

44 Madhuri Survanshi & **Varsha Jadhav** 2019 : Nutritional profiling of ripen and unripe fruits of *Nothopegia castaneifolia* (Roth) Ding Hou. 29th IAAT conference & National symposium on Modern trends in Biosystematics of Angiosperms. JNTBGRI, Palode, Kerala.

45 Patil Vilas & **Varsha Jadhav** 2019: GC-MS & FTIR Analysis of Bioactive Compounds in Methanolic Seed Extract of wild legume *Rhynchosia hirta* (Andr.) Meikle & Verdc. 29th IAAT conference & National symposium on Modern trends in Biosystematics of Angiosperms. JNTBGRI, Palode, Kerala.

46 Jagtap Dipali & **Varsha Jadhav (Rathod)** 2019: Nutritional Assessment of Seeds of *Bahunia purpurea L.: Tribal* . 29th IAAT conference & National symposium on Modern trends in Biosystematics of Angiosperms. JNTBGRI, Palode, Kerala.

47. Arun Patil* and **Varsha Jadhav:** Determination Of Bioactive Components From Methanol Leaf Extract of *Leucas stelligera* Wall. By GC-MS Analysis. Conservation of wild taxa: a present scenario.

One day International e – conference. Organized by Department of Botany, Shri Yashwantrao Patil Science College, Solankur February 5, 2021 ,PP.50

48. Neha G. Magdum & Varsha D.Jadhav (Rathod): Identification Of Bioactive Compounds From Methanolic Extract of *Portulaca pilosa L.* Leaves Through Gc-Ms And Ftir Analysis. Conservation of wild taxa: a present scenario. One day International e – conference. Organized by Department of Botany, Shri Yashwantrao Patil Science College, Solankur February 5, 2021 ,PP.58

49. Priyanka S. Patil. & Varsha D. Jadhav (Rathod): Gc-Ms And Ft-Ir Analysis Of Methanolic Extract Of Fruit of *Bridelia retusa (L.)A.Juss.* Conservation of wild taxa: a present scenario. One day International e – conference. Organized by Department of Botany, Shri Yashwantrao Patil Science College, Solankur February 5, 2021 ,PP.57

50. Priyanka S. Patil & Dr. V.D.Jadhav : Ethnobotanical assessment and nutritive potential of *bridelia stipularis* (l.) Blume from various plant parts. IAAT Annual conference and National symposium on “The contribution of Angiosperm diversity to Human wellbeing and the risk associated with its decline”, at Karnataka University, Dharwad on 11th to 13th Nov. 2022. pp-194

51.Madhuri Suryavanshi & Varsha Jadhav (Rathod): Bioprospectng of ripe & unripe fruits of *Spondias pinnata* (L.f.)Kurz.. IAAT Annual conference and National symposium on “The contribution of Angiosperm diversity to Human wellbeing and the risk associated with its decline”, at Karnataka University, Dharwad on 11th to 13th Nov. 2022.PP- 78

52. Vilas Patil & Varsha D. Jadhav (Rathod) : Evaluation of Antioxidant potential & Anticancer activity of *Rhynchosia hirta*: An underutilized wild legume. IAAT Annual conference and National symposium on “The contribution of Angiosperm diversity to Human wellbeing and the risk associated with its decline”, at Karnataka University, Dharwad on 11th to 13th Nov. 2022. PP-181.

53. Varsha Jadhav & Seema More: Evaluation of Antiinflammatory activity of aqueous extract of tubers of *Brachystelma* species. Indian Science congress at Nagpur on 2nd to 7th Jan 2023.

54. Deepali Jagtap & Varsha Jadhav: Antioxidant profiling and phytochemical analysis of Seeds of *Bauhinia variegata*. International conference on Frontories Areas of Sci. & Techn. (ICFAST-2023.8 to 9th Sept. 2023.

55. Neha Magdum & Varsha Jadhav : Preliminary Phytochemical and GC-MS profiling of Leaves of *Portulaca tuberosa* Roxb. International conference on Frontories Areas of Sci. & Techn.(ICFAST-2023.8 to 9th Sept. 2023.

56. Patil Priyanka & Varsha Jadhav: In vitro antiinflammatory activity of different parts of *Bridelia Montana*. International conference on Frontories Areas of Sci. & Techn.(ICFAST-2023.8 to 9th Sept. 2023.

Research project completed/ongoing/ submitted:

S N	Title of Project / Scheme	Funding Agency	Funds received (Rs.)	Date of starting	Date of ending	Worked as PI / Co-PI	Report
1	Improvement of Infrastructural facilities to develop Botanical Garden as Lead Garden	MoEF	4754540 /-	Sept. 2008	Aug. 2011	Team member	Completed

2	Transplantation and/ or cutting of trees and new plantation along 13 road sides in Kolhapur city. (Consultancy)	IRB company	500000/-	Jan. 2009	Jun. 2010	Team member	Completed
3	SAP DRS I	UGC	5900000/-	April 2006	March 2011	Team member	Completed
3	Digitized inventory of medicinal plant resources of Maharashtra	RGSTC	23,47,000/-	March 2009	Aug. 2012	Co-PI	Completed
4	Pharmacognostical and Nutraceutical studies of Brachystelma species	UGC	1,35,000/-	Feb. 2010	Sept. 2012	PI	Completed
5	SAP DRS II	UGC	55,00,000/-	April 2013	April 2018	Team member	Completed
6	IPLS (Interdisciplinary programme for life science department)	DBT	4.10 corers	April 13	March 18	Team member	Completed
7	Nutritional status and antioxidant potential of some promising wild edible plants	SUK	2,50,000/-	April 2019	April 2021	PI	Completed
8	Enrichment and conservation of plant wealth of sacred groves of Radhanagari wild life sanctuary	Forest Dept.	4,00,000/-	June 2019	2021	PI	Completed
9	Ex situ conservation and propagation of indigenous threatened and endemic plants through Improvement of infrastructural facilities in Botanic gardens, botanic sections in popular gardens and centres of ex-situ conservation PHASE-III	MOEF	1,00,000,00/-	2019	-	Co-PI	Sanctioned
10	DST-FIST Phase I (Repeat support)	DST	57,000,00/-	2021	2026	Coordinator	Sanctioned
10	Maintenance of Lead Botanical Garden (LBG), Dept. of Botany, SUK.	Dept. of Forest	82,12,500/-	2022	-	Co-PI	Submitted
11	Enrichment of Lead Botanical Garden	Maharashtra state biodiversity Board	19,27,000/-	2022	-	Co-PI	Submitted

Training: Orientation/Refresher/Workshop/Short term training programme

SN.	Name of the programme / Topic	Institution Place	Year
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1	Training programme “Young Scientist Contact Programme, from 21 st to 30 th Sept.1998,	NBRI, Lucknow organized by DST Govt. of India.	21 st to 30 th Sept.1998
2	Workshop on Biotechniques	Bangalore Genei Pvt. Ltd.& Dept. of Biochemistry, Shivaji university, Kolhapur	8 th Dec.2003
3	Basic techniques in Animal cell culture	NCCS Pune & Shivaji University, Kolhapur.	16 th to 18 th Aug.2004
4	Ex situ Plant Conservation in Maharashtra	MOEF & Lead garden project, Shivaji University Kolhapur.	16 th Sep 2009
5	Orientation Course , On Value education, Organized by Pune University, at Jalgoan University, Jalgoan.	Jalgoan University, Jalgoan.	26 th March – 24 th April, 2006
6	Refresher course of Life sciences organized by RTM Nagpur University, Nagpur.	Nagpur University	22 nd Feb.- 14 th March 2010
7	Refresher course Life sciences organized by RTM Nagpur University , Nagpur	Nagpur University	4 th March –24 th March 2011
7	Training programme on Identification, documentation, conservation of medicinal & threatened plant species & related Ethnobiological aspect.	Dept. of Botany & Institute of Ethnobiology Jiwaji University, Gwalior.	20 th to 24 th Dec.2011
8	Recent advances in Research on Rare, Endangered and Threatened (RET) species of western Ghats .	Forest Dept. & Shivaji University	16 th Jan 2012
9	Training programme for women scientist, “Effectiveness Enhancement, programme”	organized by IMTR Goa, sponsored by DST, Gov. of India	16 th to 20 th Jan 2012
10	Plants of medicinal potential from western Ghats & pharmaceuticals.	Dept. of Botany, Shivaji University, Kolhapur	22 nd March 2012.
11	Role of Diets and Nutrition in Women	Lokvikas centre of Shivaji University, Kolhapur	19 th July 2012
12	Research writing, research ethics, plagiarism and publish ability	Sponsored by International assurance cell	26 th to 27 th July 2012
13	Recent advances in Research on Rare, Endangered and Threatened (RET) species of western Ghats .	Organized by forest Dept. & Dept. of Botany Shivaji University, Kolhapur	3 rd Aug.2012.
14	Molecular systematics and Phylogenetics	Organized by Dept. of Botany, Shivaji University, Kolhapur	8 th to 10 th November 2012
15	A Brain- storming session for application of Technology for sustainable development in the state of Maharashtra	Maharashtra academy of Sciences & Rajiv Gandhi Science & Technology	26 th to 27 th Nov.2012

16	Faculty Enrichment programme for university teachers	IQAC, Shivaji university, Kolhapur.	22 nd Dec.2012
17	Wild vegetable, Natural dye and medicinal plants	Govt. Rajaram college, Kolhapur.	16 th to 17 th Jan.2013
18	One day seminar & Alumni meet	Dept. Botany, SUK.	25 th June 2013.
19	Ist Training programme for Forest staff on RET species from	Gov. of Maharashtra and Dept. of Botany, SUK	22 nd to 24 th July 2014
20	One day workshop on outcomes based Modular syllabus	IQAC, Shivaji university, Kolhapur	6 th Aug.2014
21	Identification of RET spe. Training for forest staff from 22 nd to 24 th July 2014-,	Gov. of Maharashtra and Dept. of Botany, SUK	22 nd to 24 th July 2014
22	Two days' workshop on Nursery techniques	Gov. of Maharashtra Dept. of Botany, SUK.	19 th to 20 th Sept.2014
23	Short term course on Training programme for teacher staff	RTM University, Nagpur, sponsored by UGC	8 th Dec. to 13 th Dec 2014
24	National seminar on Biodiversity & Climate change	Dept. of Botany, SUK	31 st Jan.2015
25	Biodiversity and Bioprospecting	Dept. of Botany, SUK	24 th March 2015
26	Mangrove Plantation Techquatics	Dept. of Botany, SUK	16 th & 17 th Oct. 2015
27	Two day state leval workshop on Ethno-Medico-Botany at Kalase, Malvan.	Ankur-charitable Association , Kolhapur & Jidnyasa vanaushadi sansthan, Malvan.	23 rd to 24 th Oct.2015
28	One day seminar on the role of biology teachers & students in conservation of biodiversity on 30 th Jan. 2016.	Dept. of Botany, Shivaji University Kolhapur.	30 th Jan 2016
29	One day workshop on conservation through peoples participation, on 14 th March 2016 .	Dept. of Botany, Shivaji University Kolhapur.	14 th March 2016
30	International day for biological diversity	Dept. of Botany, Shivaji University, Kolhapur & Forest Dept. Malvan	22 May 2016
31	Training programme on IPR	IQAC, RUSA, Shivaji University, Kolhapur	29/8/2016
32	Training programme on Evolutionary morphology of land plants	RUSA & Dept. of Botany, Shivaji University, Kolhapur	18 th to 25 th Aug.2016
33	International Mangrove day	Dept. of Botany, Shivaji University, Kolhapur	26 th July 2016
34	International conference of IAAT & IAPT	Dept. of Botany, Shivaji University, Kolhapur	7 th to 9 th Nov. 2016
35	One day workshop on World Wetlands day	Dept. of Botany, Shivaji University, Kolhapur	2 Feb.2017
36	National workshop on Grass systematics	Ministry of ENV.& Climate change Gov. of India	2 nd Jan to 11 th Jan 2017

37	Training programme on sexual harassment of women at workplace	Maharashtra state commission for women, Shivaji University, Kolhapur	7 th Feb 2017
38	Regional medicinal Plants, their conservation and sustainable use	ENVIS, Govt. of Maharashtra & Dept. of Botany, Shivaji University, Kolhapur	18 th March 2017
39	One day seminar on Maharashtra Jaldoot Sammelan	Bhartiya Jal sanskruti Mandal.	22 March 2017
40	National seminar on Mangrove Ecosystem-Natural Resources	UGC SAP DRS II & Forest Dept. & Dapoli Agri. Uni.	12 th & 13 th Sept. 2017
41	One day workshop on Inculcating value system in students pedagogical practices in higher education	Dept. of Education & NAAC cell & Bhai academy Panchagani	2 nd Jan 2018
42	One day workshop for faculty on Value education	Centre for skill & Entrepreneurship Development, SUK	3 rd Jan 2018
43	Two days National workshop on Wetlands day and Climate change and Mangrove conservation.	In collaboration of BBK college Vengurla.	2 nd & 3 rd Feb 2019
44	Organized National conference on Mangroves and coastal resources	In collaboration of Mangrove society and Mangrove cell Mumbai.	12 th April 2019
45	e-Short term course on Ethnobotany	Dept. Of Botany, Shri.VA Sci. College, Deulgaon Raja	6 th to 11 th May 2020
46	Molecular Taxonomy & DNA barcoding: Concep, Methods & Applications.	Dept. Of Botany, R.D. & S.H. College Bandra, Mumbai	20 th May 2020
47	Int. e-conference on Strategies & Challenges in Higher education during covid-19 lockdown period in India with reference to the world.	Govt. Vidharbha institute of sciences & Humanities, Amravati	15 th to 17 th May 2020
48	Certificate course on Basics of Organic farming	Dept. Of Botany & IQAC, ASP college, Devrukh	17 th to 23 rd May 2020
49	International faculty development programme on Biological sciences	PG & Research dept. Of Botany, Nallamuthu G. Mahalingam college, Pollachi	25 th to 31 st May 2020
50	Participated in webinar on Sustainable Agriculture: Scope & opportunities	Dept. of Botany & IQAC, Devrukh shikshan prasark mandal,	25 th Nov. 2020
51	Participated in National webinar on Role of Pharmacists for best therapeutic outcome.	Society of Pharmaceutical science & research (SSPR)	29 th Nov. 2020
52	Participated in Synergistic journey of Higher education Institute towards Inclusive rural development process.	Regional coordinating Institute-unnat Bharat Abhiyan, SGB university, Amravati	11 th Dec. 2020

53	Flower show	Garden Club	27th Dec. 2020
54	Participated in National webinar on Impact of covid-19 on pharmaceutical education & research	Society of Pharmaceutical science & research (SSPR)	8 th Jan 2021
55	Participated in National webinar on Nanotechnology & medical science: Challenge ahead	Society of Pharmaceutical science & research (SSPR)	16 th Jan.2021
56	International conference on Conservation of wild taxa	Yashwantrao Patil, Scence college Solankur	5 th Feb.2021
57	Online revised syllabus of B.Sc.III (CBCS) paper IX & X	M.H.Shinde Mahavidyalaya, Tisangi	on 6 th Feb.2021
58	Online revised syllabus of B.Sc.III (CBCS) Practical III, IV	Dahiwadi college , Dahiwadi	on 16 th Feb.2021
59	Convener (Resource person) Dept. of Botany, SUK	Online workshop on Plant nomenclature	1 st to 5 th Feb 2021
60	Coordinator ((Resource person) Dept. of Botany, SUK	World Wetlands day	2 nd Feb 2021
61	Resource person(Popular science lecture series)	Plant Intelligence IWSA & Dept. of Botany, SUK, BRNS-DAE	13 th Feb 2021
62	Convenor (Resource person)	Hands on training in Herbarium techniques and Taxonomic literature	22 nd Nov.2021
63	Coordinator ((Resource person) Dept. of Botany, SUK	World wetlands day	2 nd Feb.2022
64	Convenor (Resource person) of cryptogams.	Online lecture series in cryptogrammic Botany Under UGC stride component –I, Dept. of Botany, SUK	3 and 4 th Feb. 2022
65	Chief guest of Online BOS of B.Sc.I Autonomous Syllabus of SGM college Karad	Online workshop	2 nd Feb 2022
66	Convenor (Resource person)	A two day workshop on Plant taxonomy : Theory and Practice under DST – SERB, sponsored	22 nd Feb 2022

67	Convener	Hands on training on cryptogams and gymnosperm from 22 nd to 26 th March 2022	Organized by c Botany, University, Kolh
68	Chairperson	Day-1: Algae, Collection, Identification and Bioprospecting. On 22 nd March 2022	Organized by c Botany, University
69	Convenor	Hands on training on Cytology & tissue culture in plant sciences from 8 th to 12 the April 2022	Organized by c Botany, University
70	Convenor	IBS lecture on 13 th April 2022	Organized by c Botany, University
71	Resource person value added course	Synthesis & Processing of data in plant sciences 29 th Aug. to 6 th Sept. 2022	Organized by c Botany, University, PURSE
72	Resource person of International womens day	One day workshop on 8 March 2023	Organized by University Kolha

Invited lectures in Conference/ seminars/workshops:

Sr. No	Title of Lecture / Academic Session	Title of Conference / Seminar/workshop	Organized by
1	Introduction-and-importance-of edible vegetables	National workshop on wild vegetables	Dept.-of-Botany, I college Kolhapur 16 th J
2	Methods-of-breeding-for &-Cross-pollinated plants.	Net/Set workshop	Dept. of Botany, SUK
3	Secondary Metabolites	-----“-----	Dept. of Botany, SUK
4	Ethnobotany: Scope and its interdisciplinary branches	Remedial workshop	Dept. of Botany, SUK 2010,2011,2013
5	Current trends of research on Pteridophytes	Remedial workshop	Dept. of Botany, SUK 2008,2009,2012.
6	Demonstration Bioprospecting	One-day-seminar-on-Biodiversit conservation-and Bioprospecting	Dept.-of-Botany,--SUI 24 th March 2015
7	Demonstration-on-Mangrove bioresources,-Nutraceutical assessments.	Two day Training program Mangrove plantation techniques	16 th & 17 th Oct.2015.
8	Phytomedicine-&Secondary metabolites.	Net/Set Dept. of Zoology, University Kolhapur.	Dec. 24 2016

9	Importance-of-Mangrove conservation	One day seminar on Mangrove Inter day on 26 th Ju	Dept. of Botany, University,
10	International-day-for-biological Diversity	One-day-workshop-on Biotechnological-day-22 nd -5- 20	Dept. of Botany, University-,Kolhapur
11	Ethno-medicinal- knowledge	One day workshop on-Medicinal their-conservation-&-sustainable use	ENVIS Govt. of Maharashtra Dept. of Botany, University
12	Experimental embryology	M.Sc. I Students 6 th April.2017	Patangarao Kadam college Kadegaon
13	Secondary metabolites	Net coaching Dec.24 2016	Zoology Dept. of University
14	Role of phytomedicine Pharmaceutical &Biotechnology	Value added course Commercialization of important through tissue culture 4 th to 10 th	Dept. of Botany, University. 4 th to 10 th July 2018
15	Biosynthesis of Secondary Met	Net/Set coaching	26 th March2019 Dept. of Zoology, SU
16	Phytomedicine Pharmacognosy	Commercialization of important through tissue culture , Worksho	Dept. of Botany & RUSA
17	Phytomedicine and secondary metatbolites	NET coaching Oct. 2019	Zoology Dept. Of University
18	Ethnobotany and sustainable development	Science seminarNov.2019	Y.C. College ,Karad
19	B.Sc.III CBCS botany syllabus	Workshop on New syllabus Sept	Chikhali college
20	Role of Botany in human life	Workshop of women science ass	Dept. of Botany
21	Opportunities for botany students in various field	Value added course on Enterpreneur opportunities in life sciences from 30 th Aug.2019	Dept. of Botany
22	Wild edible plants to boost immunity	National e-conference on Medicinal wild edible plants-immunomodulators for covid pandemic On 22 nd June 2020	Smt. Radhabai Sardekar Anjangoan surji, Amra
23	Nutritional & Medicinal attributes of wild edible plants	National Nutrition month webinar & Indian woman Sciences Assoc On 29 th Sept. 2020	Online lecture throughout India & abroad
24	Role of women in combating pandemic	International Womens day	Y C College of Science, Karad, Stara
24	Career opportunities for Botany students in higher education and research	National webinar on Special lecture series on Career opportunities in Botany from 24 th to 26 th June 2021	Y C College of Science, Karad, Stara
25	Modern Agriculture and opportunity	Key note address on National Webinar on Agriculture practices and	Shri.Shahaji Chattrapati Kolhapur

		business opportunity On 8 th July 2021	
26	Green convocation of students gardening & nursery management course	Organized by Garden club, Kolh	27 th Dec.2020
27	International Girl child day	Rights of Girls	22 nd Jan. 2022
28	Counselling on Anti sexual harassment	Induction programm Organized by Environment Sci. Shivaji University, Kolhapur	23 rd Aug.2023

Member of Various societies:

- Life member of Marathwada Botanical Society.
- Life member of society of cytologist, Banglore.
- Life member of Nutrition society of Hyderabad
- Life member of IAAT
- Life member of Mangrove society
- Member of Society of Ethnobotanist from Lucknow
- Member of Indian Science congress
- Life Member of Women science Association India.
- Life member of Jal sanskriti Mandal Kolhapur

REVIEWER OF THE JOURNALS

- Working as member of advisory board of Research Journal entitled “**Journal of Basic and Applied Sciences**”
- Worked as member of Editorial board of **Int. Journal of Vegetable sciences of Germany** from 2012 to 2014
- Member of Int. J. Applied .Biological .Pharmaceutical .Technology
- Member of J. of Natural Product
- Reviewer Scitex Journal

Honours/Rewards:

Other credential and significant contributions, awards received from academic Institutions

S. N.	Details (Mention Year, value etc.)	Name and status	Agency	Medal/ certificate etc.
1	1998	Young Scientist contact programme	DST sponsored	Certificate
2	1999, IIIrd prize	Science exhibition	Amravati University	Certificate
3	2000, consolidated prize	Flower arrangement compition	Amravati University	Cash, certificate

4	2000, IIIrd prize	Flower show competition	Garden club Amravati	Cash, certificate
5	2002, IInd Prize	Science exhibition	Amravati University	Memento, Certificate
6	2010-2015	Member of Senate	Shivaji University	Certificate
7	Phytochemical, Proximate and Antioxidant analysis of Fruits of <i>Semicarpus anacrdium</i> .	National conference on Recent advances in Zoology (RAIZ - 18),on 13 th Jan 2018, Dept. of Zoology Raje Ramrao Mahavidyalaya Jath	Oral Presentation	IInd Prize
8	Proximate and mineral analysis of fruit of <i>Zanthoxylum rhetsa</i> DC.& <i>Glycosmis pentaphylla</i> .(Retz)D C	National conference on Recent advances in Zoology (RAIZ - 18),on 13 th Jan 2018, Dept. of Zoology Raje Ramrao Mahavidyalaya Jath	Poster presentation	IIIrd prize
9	Flowering plants endemic to India found on Badami Hills Bagalkot District, Karnataka.	National conference on Mangroves and Costal resources on 12 th April 2019, In association of Mangroves Society and Forest Department, Gov. of Maharashtra.Organize d by Dept. of Botany, Shivaji University,Kolhapur.	Oral presentation	Ist Prize
10	National distinguish research award 2021 in field of Ethno-pharmacognosy	IMFR, Institute of Higher education & Research,India	National Award	11 th Nov. 2021
11	Two new species of <i>Portulaca</i>	Phytotaxa	http://www.mapress.jp/p t	2018
12	Two new species of <i>Waltheria</i> (Malvaceae) from India.	Phytotaxa	1179-3155 (print) 1179-3163 (web)	2023

Membership/Other Charges:

Extension Activities:

1. Served as resource person for T Y B.Sc. Botany Draft Syllabus, M.Sc. , M.Phil./ pre Ph.D. Botany syllabus and syllabus of adult education
2. Participated in the organization of 'Sankalp' for P. G. students in the Shivaji

University,

3. Participated in “Campaign on University Research and Training” for research Students

Administrative responsibility:

- 1 Worked as an Placement cell officer at Dept. of Botany, Shivaji University, Kolhapur.
- 2 Worked as a Rector of ladies hostel of Shivaji University Kolhapur 2006-2007 & 2014-2015 .
- 3 Worked as a women nominee on University selection committee
- 4 Worked as chairman and member of LIC of Shivaji University.
- 5 Member of Senate from Oct 2010 to 2015 in Shivaji University Kolhapur
- 6 Member of DRC of AGPM & Botany Dept. Shivaji University, Kolhapur
- 7 Members of BOS, of Shivaji University, Y C Institute of Satara, S.G.M. College Karad & Solapur University.
8. Member of central admission committee
9. Member of University/colleges reopening committee
10. Member University campus beautification committee
11. Member of University Canteen committee
12. Member of University Plan committee
13. Member of University UGC Stride -I component committee
14. Member of students’ grievances committee of Electronics Dept.
15. Member of Seniority list committee for teachers of Shivaji University
16. Chairman of Dairy & Calendar committee of Shivaji University from 2019 to 2022
17. Member of Museum committee of Shivaji University
18. Member of Science & Technology Journal of Shivaji University
19. Chairman of ICC committee of Shivaji University from 2022 to onwards
20. Member of DST-PURSE committee
21. Member of technical committee
22. Member of RRC of YCIS Satara
- 23.

Departmental responsibility

- **Head of dept. of Botany from 1st June 2019 to 31st May 2022**

- 1 Member of various committees like information and library committee, G V Joshi Essay & Seminar Competition, Student counselling, mentoring, Admission committee, Tour committee, Function organising & display, Extension activity and Purchase committee.
- 2 Worked as chairman of M.Sc. and M. Phil/Ph.D. entrance exam, Botany
- 3 Worked as an expert & Chairman for Ph.D. spiral bound, Ph.D/ M.phil synopsis
- 4 Organization of workshop/ seminar/ conferences in Dept. of Botany, SUK.
- 5 Organization of various events for students such as seminar competition, welcome function, farewell, cultural programme , Birth/ Death anniversary of grate heroes of India.

- 6 Conducted parents meet and Alumni meet.
- 7 Worked as member of Research Committee.
- 8 Organizing secretary of National conference on Mangroves and coastal resources on 12th April 2019

Examination responsibility:

- 1 Worked as an external examiner, Paper setter, Moderator for M.Sc. Botany Nagpur ,Amravati, Solapur, Gulberga University.
- 2 Worked as an External referee of Ph.D. open defense at Nagpur University, Amravati University, Mumbai University, Aurangabad University, Pune University, DY Patil University, Bhartiya University, SRTM Nanded University, MSI Baroda, Surat, Anand University, Gujrat, Calicut University and Kerala Universities etc.
- 3 Worked as an examiner for M.Phil./Pre. Ph.D. Theory internal exams of Shivaji University
- 4 Worked as a chairman for internal exam of M.Sc. Botany, Shivaji University Kolhapur from 2010 to 2013.
- 5 Worked as paper setter, examiner and moderators for M.Sc. Botany, Shivaji University.
- 6 Worked as a member of flying squad of examination of Shivaji University.
- 7 Coordinator of Brij course of M.Phil/Ph.D.
- 8 Chairman of Ph.D. open defense in Dept. of Botany, Shivaji University, Kolhapur
- 9 Chairman of Entrance exams of M.Sc. & M.Phil. Ph.D. of SUK
- 10 Chairman of M.Sc. Theory exam Shivaji University, Kolhapur.

Co-Curricular and extra-curricular activities carried out:

1. Served as a resource person for Remedial Coaching for M.Sc. Botany students in Dept. of Botany , Shivaji University, Kolhapur.
2. Served as a resource person for NET /SET Coaching for M.Sc. Botany students in Dept. of Botany , Shivaji University, Kolhapur.
3. Served as a member of examination of seminar / essay compition.
4. Worked as member of Debate competition during NSD 2012.
5. Worked as a chairman, member of various committees of workshop/ seminar/ Conferences.
6. Chairman of ICC shivaji University Kolhapur

Any other information:

Dr. Jadhav Varsha, Professor in Botany is engaged in ethnobotanical studies and nutraceutical analysis of wild plants of Maharashtra with special emphasis on Western Ghats. She has **guided 1 student for M. Phil., 12 for Ph. D. And one students submitted thesis for Ph.D. degree.** Presently 6 students are working for their Ph.D. and M. Phil under her guidance. She has 94 research papers to her credit. She has made ethnobotanical survey of Kolhapur district and Forest Flora of Badami hills. **Two new species of *Portulaca* (Portulacaceae) are to her credit.** She is lifetime fellow and member of Indian Association of Angiosperm Taxonomy, Women Science Association of India, Life Member of mangrove society, Life member of Nutrition society , Member of Society of Ethnobotanist from Lucknow, and Member of Indian Science Congress. She has successfully completed 8 research

projects funded by various governmental and Non-governmental agencies. Along with her students she has screened more than 100 wild edible plants for their nutraceutical values. Presently she is engaged in plant exploration, ethnobotany, conservation and Bioprospecting of wild plants of Western Ghats.

Prof. Mrs. Dr. Varsha Jadhav (Rathod)