

CURRICULUM VITAE, DR. SACHIN V. TAWADE



QUALIFICATION:

M.Sc. (Botany), PhD

DESIGNATION:

Assistant Professor
AL-11 (7000)

CORRESPONDENCE ADDRESS:

C/O Uttam Shinde
“Ganga Niwas”,
Manjula Nagar,
Bhokar-431801

PERMANENT ADDRESS

90 A, “Datta Niwas”,
Krushi Sarthi Colony,
Parbhani.(MS) 431401,
India.

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DATE OF BIRTH:

27th June 1981

NATIONALITY:

Indian

LANGUAGES:

English
Hindi

EDUCATION:

- **PhD Degree in subject Botany** entitled as; “Studies on genetic diversity in *Chlorophytum borivillianum* Baker (Safed musli) with reference to leaf blight caused by *Colletotrichum capsici* (Syd.) Butler and Bisby” awarded by Swami Ramanand Teerth Marathwada University Nanded (MS) India in July-2012.
- **Master Degree in Botany** “Studies on Macroscopic & Microscopic characters of Medicinal Plants” completed from Government Institute of Science, under Dr. B.A.M. University, Aurangabad (M.S.) India, secured 65.64 % marks in 2006.
- **Recognition by SRTM University, Nanded:**
 1. PG Teacher in Botany
 2. Research Guide in Botany

Sr. No.	Student working (Ph.D.)	Vacancy	Total allotted
1	01	03	04

PUBLICATIONS:

1. **S.V. Tawade** (2021). Studies on severity of leaf blight disease in Safed musli cultivation. IJRSET 10(5): 5231-5234.
2. **S.V. Tawade** (2017). Screening of Safed musli cultivars against leaf blight Disease. Bioinfolet. 364.
3. Chavan R.A., Kshirsagar S.S. and **Tawade S.V.**, (2015). Efficacy of Fungicides in controlling anthracnose of Mango in rainy season. Multilogic in science 4(10):36-38.
4. Malode K.R., Tangade D.B., Pongde S.M. and **Tawade S.V.**, (2014). Response of Cotton to foliar application of nutrients under rain fed conditions. Multilogic in science 3(8):30-33.

Mundewadikar D.M., Labde G.B., Deshmukh V.D., Dandwate P.M.,

- Anap V.N., Bansode G.S., **Tawade S.V.** and Deshmukh J.D., (2013). Genetic variability and diversity studies in Soyabean using RAPD markers. *Multilogic in science* 2(5): 36-40.
6. Jadhav V.S., Kanwate V.S. and **Tawade S.V.**, (2013). Checklist of Aviana diversity at Dhanora Dam in Bhokar Tahsil of Nanded District (M.S.) *Multilogic in science*. 2(5): 21-24.
 7. Jadhav V.S., Kanwate V.S. and **Tawade S.V.**, (2013). Aviana Fauna of Bhokar forest of Nanded District (M.S). *Multilogic in science* 2(5): 48-53.
 8. Labde G.B., Harke S.N., Deshmukh V.D., **Tawade S.V.** and Deshmukh J.D., (2013). Genetic relationship studies in Mungbean using RAPD marker *Multilogic in science*. 2(4): 91-95.
 9. J.N. Folane, R.B. Ghorade, A.T. Pharate, Y.B. Ether, A.A. Akhare and **S.V. Tawade** (2013). Correlation and diversity studies of shoot fly resistance mechanism in Sorghum A, B, R lines. *Multilogic in science* 2(4): 74-78.
 10. Amol Walsange, Sarang Evarkar, **Sachin V. Tawade**, Baswaraj M. Kareppa and Rekha S. Gujar (2012). Analysis of protease activity of enzyme isolated from compost soil. *International multidisciplinary Res. J.* 2(6):1-4.
 11. Amol Walsange, Sarang P. Evarkar, **Sachin V. Tawade**, Baswraj M.Kareppa and Rekha S. Gujar (2012). Extraction, purification and analysis of thermal stability of *Xylose isomerase*. *Current Botany*. 3:(1).
 12. R.A. Chavan and **S.V. Tawade** (2012). Effect of post harvest treatments of fungicides, chemicals and plant extracts on fruit rot intensity of Tomato incited by *Alternaria solani*. *Multilogic in science* 2(3): 88-91.
 13. R.A. Chavan and **S.V. Tawade** (2012). Studies on fungi associated with Tomato rots. *Multilogic in science* 2(3): 85-87.
 14. **Tawade S.V.** and Kareppa B.M. (2011). Survey on Cultivation of Safed musli in Maharashtra. *Inter-Disciplinary International Res. J. Biochemical Science*. 1(1):35-36.
 15. **Tawade S.V.** and Kareppa B.M. (2011). Studies on resistant and susceptible cultivars of Safed musli (*Chlorophytum borivilianum*) to leaf blight. *Inter-disciplinary international Res. J. Biochemical Sci.* 1 (1): 56-58.
 16. R.A. Chavan, V.D. Deshmukh, **S.V. Tawade** and J.D. Deshmukh (2009). Efficacy of Fungicides for Managing Powdery Mildew of Mango. *International J. Plant Protection*. 2(1)71-72.

17. Sharma K.S., **Tawade S.V.**, Deshmukh V.D., Kore G.V., Deshpande K.G., Udaykar V.P., Vaishnav A.A., Wandhekar A.N., Zhalte A.S., Waghmare A.V. (2010). In vitro antifungal activity of ethanol extract of *Cartharanthus roseus* leaves against *Aspergillus niger* and *Aspergillus flavus*. J. Biotechnology and Bioinformatics. 1(2):225-228.
18. Deshpande K.G., Harke A.S., Sharma K.S. and **Tawade S.V.** (2010). Multiple sequence analysis of HSP 60 chaperone protein of organism of enterobacteria family to identify sequence diversity. J. Biotechnology and Bioinformatics.1 (1):249-253.
19. A.B. Kshirsagar, V.D. Deshmukh, R.T. Tidke, **Tawade. S.V.** and A.K. Pande (2009). Study on population dynamics of *Coccinellids* in BT Cotton. National conference on Environmental Biotechnology and Sustainable Biodiversity. Conference proceeding 115-121.

RESEARCH ACTIVITIES:

1. **Oral presentation entitled as “Incidence of leaf blight on Safed musli”,** in International E- conference on “Current Approaches in Life Sciences for Sustainable Development 2021” dated on 19 & 20 march 2021 organized by Rayat Shikshan Sanstha’s Satara, Yashwantrao Chavan Institute of Science (MS).
2. **Oral presentation entitled as “Ethno Botanical Uses of Medicinal Plants”** in International E- conference on Role of Science & Technology in sustainable development 2020 17 -18 Aug 2020 organized by Department of Zoology & IQAC, D.B. A.C.S. College, Bhokar (MS).
3. **Oral presentation entitled as “Influence of weather parameters on leaf blight severity of Safed musli”** in Int. Conf. on Climate Change & Its Effect On Biodiversity, Commerce & Economics dated on 27 & 28 Feb. 2020 organized by Dept. of Commerce & life science, Mula education Society, Sonai. (MS)
4. **Oral presentation entitled as “Ethno Botanical Studies of Medicinal Plants of Bhokar Tahsil”** in National Conference on “Advanced studies in Life Sciences and Medicinal Plants” held on 19-20 December 2014 organized by Department of Botany, Aundha Nagnath College, Aundha (MS).

HANDS ON SKILL:

1. Isolation and Preservation of pure microbial cultures.

2. Screening of microorganisms for antibiotic, Organic acid, amino acid, enzymes etc.
3. Cultivation/Enrichment of microbial cultures.
4. Extraction of microbial enzymes.
5. Use and calibration of Autoclave, Hot air oven, Incubator, Shaker incubator, Micropipettes, Ultrasonicator, UV transilluminator, UV-Vis spectrophotometer, Laminar air flow, Magnetic stirrer, Vortex mixture.
6. GBS-5 Glass bioreactor (Fermenter) for luxuriant growth of microbial cultures and metabolite production.
7. Desktop, High speed and Ultracentrifuge.
8. Paper chromatography & TLC.
9. Column chromatography: Gel chromatography, Ion exchange chromatography & Affinity chromatography.
10. Extraction of DNA, RNA & Plasmids from Bacteria.
11. Computer handling for phylogenetic tree diagram by using gene database.
12. Gel electrophoresis.
13. PAGE
14. Qualitative & Quantitative estimation of proteins & amino acids.

AREA OF INTEREST:

1. Phytochemistry and Pharmacognosy
2. Tissue culture
3. Plant Pathology.
4. Statistical analysis by Software.

TEACHING EXPERIENCE

- Since 11th August 2014 to till date Working as an Assistant professor at Digambarrao Bindu Art's, Commerce & Science College, Bhokar, Dist, Nanded (MS), India
- Since 01 October 2007 to 28 may 2010 Worked as an Assistant Professor in department of Plant Biotechnology, MGM College of Agricultural Biotechnology, Aurangabad (MS), India.

ADMINISTRATIVE RESPONSIBILITIES:

1. Member College Development Committee, D.B. ACS College, Bhokar.
2. In charge Faculty of Science, D.B. ACS College, Bhokar.

3. Head, Department of Botany, D.B. ACS College, Bhokar.

RESEARCH BODIES:

1. Editorial Board Member on International Journal of Life Science.
2. Editorial Board Member on International Research Journal of Science and Engineering.

PROFESSIONAL TRAININGS:

1. “Proficiency in plant tissue culture & molecular biotechnology” at Vidya Pratishthan, School of Biotechnology, Vidya Nagari Baramati from 28thMay 2005 to 11thJun2005.
2. “Crash Course in Bioinformatics” at Grow Link Centre for Bioinformatics, Tilak Nagar, Nagpur from 20 May 2007 to 05 August 2007.
3. “Plant Genetics and Molecular Biology” at Allele Life Sciences Pvt. Ltd. C-59, Sector-10 Noida, during 05 to 22 May 2012.

EXTENSION PUBLICATION:

1. Aushadi sathi upayukta Safed Musali Lagwadichya Pratikshet in Dainik Lokpatra. Published on 14 July 2008. **Prof. S.V. Tawade.**
2. Masalyachya Lasunachi Lagwada ani Sangopan in Dainik Lokpatra, published on 17 Nov 2008. **Prof. S.V. Tawade.**

TECHNICAL GUIDANCE:

1. A Radio talk on “**Pikana Iagnari Poshak Anna Dravya**” recorded on 01.12.11 and broadcasted on 13.12.11 at 7.30pm.

Extracurricular Activities:

1. Work Experience as a N.S.S. Programme Officer from 01.10.07 to 08.05.2010.
2. Organized **03 Special Camps of 240 hrs.** Under N.S.S. at Pachpirwadi (1) Tq. Gangapur and Dinnapur (02) Tq. Paithan Dist. Aurangabad.
3. Organized **20 Blood Donation Camps** under N.S.S. in M.G.M. Campus and in special camps held at Dinnapur, Tq. Paithan Dist. Aurangabad.

4. Organized Pulse Polio Camps under N.S.S. at Waluj, N6 CIDCO and in Pachpirwadi and Dinnapur camps.
5. Organized various Health awareness programs.
6. Organized Tree plantation programmes and **Planted 40,000 Trees** at Gandhili farm and in campus of M.G.M., Aurangabad under N.S.S.
7. Free Animal Health Checkup and Vaccination camp at Dinnapur, Tq. Paithan Dist. Aurangabad.
8. Free Medical Health Checkup and Treatment camp at Dinnapur, Tq. Paithan Dist. Aurangabad.
9. Participation in National Service Scheme in M.Sc.
10. Participated in District level Squat/Guide camp held at Akhada Balapur Tq. Kalamnuri, Dist. Hingoli on 07.03.1994 to 09.03.1994.

Declaration:

I hereby declare that, the information furnished above is true to be best of my knowledge.

Dr. Sachin V. Tawade