



## Dr. Aasawari Tak

**SATISH PRADHAN DNYANASADHANA COLLEGE,  
THANE**

**Off Eastern Express Highway, Dnyanasadhana Marg,  
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<b>Designation</b>	Assistant Professor
<b>Faculty</b>	Science
<b>Department</b>	Botany
<b>Email Id</b>	aasawaritak@gmail.com
<b>Educational Qualification</b>	M.Sc., M.Phil, Ph.D.
<b>Years of Experience</b>	UG:2P PG:8 Research:4
<b>Thrust Area</b>	Molecular biology, environmental sciences, cytogenetics, plant, plant breeding, biotechnology, mycology.
<b>Details of Paper Presented</b>	State Level: 8 National Level: 8 International Level: 7 Provide List • “Woman Researcher Award” 2021, at International Scientist Awards on Engineering, Science, and Medicine, Goa, 6- 7th March 2021, for excellent PhD. research work and publications in high impact factor journals. • Recognized as reviewer for International Journal of Basic and applied Sciences, 2021. • “Research excellence award” 2021 for the work, “Analysis of Carbon sequestration by dominant trees

in urban areas of Thane city". International Journal of Global Warming. (Scopus indexed) Vol. 20(1): 1-11.

- Successfully completed certificate course in Pollution Monitoring: Air and water pollution (Level -6 of NSQF),

under the Green skill Development programme of the Ministry of Environment, Forest and climate change, Government of India, New Delhi at ENVIS climate change Department, Mantralaya, Mumbai, from 24th Feb to 20th March 2020.

- Global Science Congress on Emerging trends in basic and applied Sciences (ETBAS-2017), Kathmandu, Nepal, May 17-2017.

- Global Science Submit on Emerging trends in basic and applied Sciences, Dubai, UAE, Nov 4-7, 2019 received Best paper award at Global Science Submit on Emerging trends in basic and applied Sciences, Dubai, UAE, Nov 4-7, 2019.

- Global Science Submit on Emerging trends in basic and applied Sciences, Dubai, UAE, received Best paper presentation award at Global Science Submit on emerging trends in basic and applied Sciences, Dubai, UAE, Nov 4-7, 2019

4th International Conference on Science and technology for Society received Best paper award at 4th International Conference on Science and technology for Society, 13 to 15 May 2019. ICSTS-Bengaluru.

- International conference on contemporary issues in integrating climate- The Emerging areas of agriculture, horticulture, biodiversity, forestry, engineering technology, fundamental/ applied sciences and Business Management for sustainable development, 11

International conference on " modern trends in plant sciences with special reference to the role of Biodiversity in conversation." Amaravati University, Maharashtra presented Oral paper presentation, 2016.

	<p>Silver Jubilee National conference on Plant Diversity: past and Present. 30-31 Dec 2016.</p> <ul style="list-style-type: none"> <li>• National conference on recent trends in Botany, by P.G. department of Botany, Dr, Ambedkar college of arts, commerce and science, 19-20 Dec. 2004, Chandrapur, M.S. India.</li> <li>• One Day National conference on Advances in Biological sciences by Rizvi College, 3rd Feb. 2018, Mumbai</li> </ul> <p>International interdisciplinary conference on recent trends in science 8-9 March 2019, by J.S.M. college, Alibaug - Raigad, Maharashtra.</p> <ul style="list-style-type: none"> <li>• 9 th NABS, National conference on New biological researches: Opportunities and challenges for sustainable development, August 11-12 2016, by School of Energy Environment and Natural resources, Madurai Kamaraj University, Madurai, India.</li> <li>• CSIR sponsored National conference on current trends and future prospects in fungal biotechnology, 8-9 February, 2019, By department of Botany, The Institute of Science, Mumbai, India.</li> <li>• Various intercollegiate awards for</li> </ul>
<p><b>Details of Publication</b></p>	<p>participating in national science day, youth festival and singing competitions.</p> <p>International Level: 9  Provide list and soft copy of Paper published If soft copy is not available, scanned the paper in PDF format</p> <ul style="list-style-type: none"> <li>• Tak A.A., Kakde U.B., (2017). Assessment of air pollution tolerance index of plants: a comparative study. International Journal of Pharmacy and Pharmaceutical Sciences (Scopus indexed) Vol 9, Issue 7.83-89.</li> <li>• Tak A.A., Kakde U.B., (2017). Comparative Study of Air Pollution Tolerance &amp; Performance Index of Some Plants Growing in an Industrial Area. Online International Interdisciplinary Research Journal, {Bi-Monthly}, Volume 07, Special Issue (01) (Global Science Congress on</li> </ul>

	<p>Emerging Trends in Basic and Applied Sciences, May 17 to 20, 2017.</p> <ul style="list-style-type: none"> <li>• Tak A. A., Kakde U.B.: Evaluation of trace elements and particulate matter deposition on plant foliage exposed to vehicular pollution. Acta Bot Croat, (Scopus indexed)DOI: 10.2478/botcro-2019-0014.</li> <li>• Tak A.A., Kakde U.B.,(2020a). Analysis of carbon sequestration by dominant trees in urban areas of Thane city. International Journal of Global Warming. (Scopus indexed) Vol. 20(1): 1-11.</li> <li>• Tak A.A., Kakde U.B.,(2020b). Evaluation of Air Pollution Tolerance and Performance Index of Plants Growing In Industrial Areas. International Journal of Ecology and Environmental Science. (Scopus indexed) Vol.2 (1): 1-5.</li> <li>• Tak A.A., Kakde U.B.,(2020). Biochemical, Morphological and Anatomical Changes in Tree Foliage Exposed to Vehicular-Pollution. International Journal of Environment, Agriculture and Biotechnology. Vol. 5 (2).</li> <li>• Tak A.A., Kakde U.B.,(2020). Greenbelt Development In Urban Area By Evaluation Of Biochemical Parameters Of Plants. Journal of Critical Reviews. (Scopus indexed) Vol. 7(19): 3332-3339.</li> <li>• Mitigating climate change and air pollution in Mumbai.(2021). Climate change and citizen's action newsletter. Society for Environmental education and development, Manipur. Vol. 1(Issue 1), 12-13</li> <li>• Tak A. A. Benita Rodrigues, U.B. Kakde,(2021). Study of fungi responsible for the post harvest deterioration of onion (<i>Allium cepa</i> L.). International Journal of Botany studies. Vol. 6(Issue 3):200-204.</li> </ul>
<p><b>Details of Seminar/Workshop/Conferences/Symposia attended</b></p>	<p><b>State Level: 4</b>  <b>International Level:</b>  Provide list</p>

	<ul style="list-style-type: none"> <li>• Successfully completed the Bioinformatics Training Program at Grow link Bioinformatics Center Nagpur In 2004.</li> <li>• Successfully completed SET workshop at Sant Gadge Baba, Amravati vidhyapith, Amravati, 2003</li> <li>• Successfully completed the comprehensive workshop on Analytical instruments ( with practical utility) which included chromatography, spectroscopy and material characterization, held on 2 to 9 th Dec 2019 at The Institute of Science, Dr. Homi Bhabha state University, Mumbai, India.</li> <li>• Successfully completed Green Skill Development Program by Ministry of Environment and Forestry at ENVIS Department Matralaya, Mumbai, March 2020.</li> </ul>
<b>Experience on the various Committees at the University of Mumbai</b>	Member of Art Circle & Utopia Committee
<b>No. of Research Scholar Awarded Degree</b>	M.Sc. (By Research): 3
<b>Experience on the various Committees at the University of Mumbai</b>	Youth Festival committees 2022 at Satish Pradhan Dnyanasadhana College, Thane, Mumbai University
<b>Experience on the various Committees at College</b>	<p>Organising committee and anchored an international conference held on CSIR sponsored National conference on current trends and future prospects in fungal biotechnology, 8-9 February, 2019, By department of Botany, The Institute of Science, Mumbai, India.</p> <ul style="list-style-type: none"> <li>• Organising committee in Certificate course held at department of botany, 22 to 25 Feb. 2022, Satish Pradhan Dnyanasadhana College, Thane, Mumbai University</li> <li>• Organising committee in “Being Me” event, on lecture series on Divyagjan 26 Feb. 2022 held at department of botany, 22 to 25 Feb. 2022, Satish Pradhan Dnyanasadhana College, Thane, Mumbai</li> </ul>

	University.
<b>Experience on the various Committees at Other University / Institute</b>	<p>Organising committee and anchored an international conference held on CSIR sponsored National conference on current trends and future prospects in fungal biotechnology, 8-9 February, 2019, By department of Botany, The Institute of Science, Mumbai, India.</p> <ul style="list-style-type: none"> <li>• Organising committee in Certificate course held at department of botany, 22 to 25 Feb. 2022, Satish Pradhan Dnyanasadhana College, Thane, Mumbai University</li> <li>• Organising committee in “Being Me” event, on lecture series on Divyagjan 26 Feb. 2022 held at department of botany, 22 to 25 Feb. 2022, Satish Pradhan Dnyanasadhana College, Thane, Mumbai University.</li> </ul>
<b>Membership</b>	<p>Global Science Submit on Emerging trends in basic and applied Sciences, Dubai, UAE International Scientist Awards on Engineering, Science, and Medicine, Goa</p>
<b>Awards and Recognitions</b>	<ul style="list-style-type: none"> <li>• “Woman Researcher Award” 2021, at International Scientist Awards on Engineering, Science, and Medicine, Goa, 6- 7th March 2021, for excellent PhD. research work and publications in high impact factor journals.</li> <li>• Recognized as reviewer for International Journal of Basic and applied Sciences, 2021.</li> <li>• “Research excellence award” 2021 for the work, “Analysis of Carbon sequestration by dominant trees in urban areas of Thane city”. International Journal of Global Warming. (Scopus indexed) Vol. 20(1): 1-11.</li> <li>• Global Science Submit on Emerging trends in basic and applied Sciences, Dubai, UAE, Nov 4-7, 2019 received Best paper award at Global Science Submit on Emerging trends in basic and applied Sciences, Dubai, UAE, Nov 4-7, 2019.</li> <li>• Global Science Submit on Emerging trends in basic and applied Sciences, Dubai, UAE, received Best paper presentation award at Global Science Submit on emerging trends in basic and applied Sciences, Dubai, UAE, Nov 4-7, 2019</li> <li>• 4th International Conference on Science and technology for Society received Best paper award at 4th International Conference on Science and technology for Society, 13 to 15 May 2019. ICSTS-Bengaluru.</li> </ul>

**Any Other Information**

- Worked as volunteer in NSS during 3 years of graduation • Participation SET –Workshop in 2004
- Participation in intercollegiate Best Seminar Competition at Amravati during 2003-04.
- Participation in National Science Day, 2003-04
- Participation in ASHAWAMEDH A Mega event as

	<p>an active participant of welcome committee</p> <ul style="list-style-type: none"> <li>• Member of ball Badminton Team</li> <li>• Member of Botanical Society, Amravati</li> </ul>
<p><b>Details of Projects</b></p>	<p><b>Minor Research Project:</b>  <b>Major Research Project:</b></p> <ol style="list-style-type: none"> <li>1. Air pollution tolerance index of some of plants near Madam Cama road, Fort, Mumbai.</li> <li>2. Assessment of biochemical analysis of some stress tolerant plants growing near The Institute of Science, Mumbai</li> <li>3. Evaluation of aeromycoflora of Satish Pradhan Dnyanasadhana College library, Thane</li> <li>4. Carbon sequestration monitoring for mitigation of climate change at Thane region, Mumbai</li> <li>5. Air pollution and its impacts on plants</li> <li>6. Biochemical and cytological studies in Wheat and Soybean</li> </ol>