

Department of Botany

Annual Report 2024-2025

□ As part of the postgraduate experiential learning module, the Department of Botany successfully organized a three-day academic long excursion to the prestigious **Tata Foundation Research Institute, Hyderabad, from 2nd to 5th February 2025**. This educational field trip was tailored for M.Sc. Semester I and III Botany students, blending theory with real-world scientific exposure. Objective: To provide in-depth exposure to botanical research methodologies, and to explore the wild and cultivated flora, ecological systems, and conservation practices of the region. Students also gained insights into ongoing scientific research projects and institutional innovations in plant sciences. Also guided research lab tours and interactive sessions with researchers at Tata Institute

□ **Department of Botany carried out four days training program on Plant Tissue Culture technique under Self-financed** Certificate Course for Sem. VI (Botany) & M.Sc-sem -2 students demonstrated by Prof. P.S. Tiwari on 9-12 September 2024 to develop inclination towards research and better understanding of laboratory techniques.

□ **Industrial Visit M.Sc. Semester-II -Visit to Spirulina Research Institute – Kamthi, Nagpur. – 6th March 2024**

Students of M.Sc. Semester II visited the Spirulina Culture Lab and Research Institute at Fit Health Organic Fit Food, Kamthi (Nagpur) on 6th March 2024 as part of their curriculum-based industrial exposure. Highlights: Live demonstration of Spirulina cultivation, harvesting & processing techniques. Exposure to sophisticated scientific equipment and industrial setup. Interactive session with experts on nutraceutical value and biotechnology of Spirulina. Outcome: The visit provided students with practical insight into algal biotechnology, inspired interest in industrial research, and encouraged them to explore innovative careers in basic sciences through modern technology.

□ **On-Job Training Course 15th February 2025**

Under the Department of Lifelong Learning and Extension, a fifteen-day On-Job Training Course commenced on 15th February 2025 at Sai Bio System Pvt. Ltd., providing practical exposure in the field of biotechnology. A total of 12 students registered for this skill-oriented program, aimed at enhancing their hands-on knowledge and industry readiness.

□ **Inauguration ceremony of Shivaji Organics, Shivaji Hydroponics, and Amrut Vatika**

On 12th March 2025, the Department of Botany celebrated a grand triple inauguration ceremony of Shivaji Organics, Shivaji Hydroponics, and Amrut Vatika, marking a new milestone in sustainable and modern agricultural education. The event was graced by Chief Guest Dr. Kalpana Pande and Guest of Honour Dr. Dongarwar Head from PGTD, RTM Nagpur University. Chairperson Dr. Omraj S. Deshmukh, Principal, officially inaugurated the units with encouraging words about the college's progressive steps in green innovation. The ceremony was coordinated by Dr. R. P. Sonwalkar, under the able guidance of Head of Department Dr. P. S. Tiwari. Faculty members Dr. Rupali, Dr. Anita, Dr. Sharayu, along with Mr. Piyush Sharma and Mr. Swapnil Fuse, were also present, contributing to the successful execution of the event. The inauguration symbolized the department's commitment to hands-on learning, sustainable agriculture, and future-ready botanical education.

□ **Teaching Award:**

□ Dr. R.H. Mahakhode, Department of Botany received Global Best Academician Award-2024 by Agriculture Technology Development society(ATDS) Gaziabad, Uttar Pradesh, India.

□ Dr. Mrs. Sharayu S. Deshmukh Department of Botany received “Best Presentation Award” in Two Days National Conference on Multidisciplinary Research In socio-Economic, Environmental, cultural & Language Impacts Of

tourism Organized by Matoshree Vimlabai Deshmukh Mahavidhyalaya, Amravati, Maharashtra, India.

□ Dr.Mrs. Sharayu S. Deshmukh Department of Botany received “Best Presentation Award” in One Day National Conference on Innovative Ideas & Impact On Entrepreneurship Development 2025 organized by Shiran Center For Research & Awareness, Nagpur.

□ Dr.Mrs. Sharayu S. Deshmukh Department of Botany was recently honoured with the ‘Diet Feast Queen Award 2025’ in Science college, Nagpur.

□ Dr. Anita M. Katgaye Department of Botany received “Best research paper awarded” Organized by Vision for Viksit Bharat 2024. A national level research paper writing competition

□ Invited Talk as resource person:

□ Prof. P.S . Tiwari chaired the session in National conference on Advance in Chemical & Life Science (NCACLS) towards sustainable Biodiversity, held at St. Fansis De Sales College ,Nagpur 7 th Feb-2025

□ Dr. R. H. Mahakhode as chaired the session Vidhrbha Vighyan Ustov 2024-2025, 3rd & 4th January organized by LAD college, Nagpur.

□ Dr. Mrs.S. S. Deshmukh As A Resource Person 19-09-2024 In Program Ubharte Sitare विज्ञान में जीवन" कार्यक्रम में भाषण विषय: पौधों की देखभाल बच्चों की तरह करनी चाहिए.

Research Activities:. Year 2024-2025

Sr,No	Name of Teacher	Publication(year-2024-2025)	Book	Patent
1	Prof. P.S.Tiwari	1(scopus)	Nil	Nil
2	Dr.R.H.Mahakhode	N	1	2
3	Dr.Mrs.S.S.Deshmukh	1 UGC care journal	2	Nil
4	Dr.A.M.Katgaye	1 UGC care journal	1	Nil
5	Dr.R.P.Sonwalkar	1 UGC care journal	1	1

☐ **Merit Position:**

☐ Ku. Tanvi Deshmukh B.Sc.-II semester III is Topper of this session

☐ **Student Achievements:**

☐ Department of Botany organized “Eco-Friendly Plantable Rakhi “Competition the theme s Nature’s Embrace: Eco-Friendly Rakhi Creations” for upcoming festival “Raksha-Bandhan” & Exhibition Of Aromatic Plant16 th August 2024. The winners of the exhibition & were given Consolation prizes to Ms. AvantikaMule,Rajeshrikombe and SoumyaYadav B.Sc Sem.I,,B.ScSem- III, Ms. Sanskruti chavan (3rd Prize) B.Sc Sem. VI, Mr. DipeshYadav(2nd Prize) B.Sc Sem. III.

☐ Sanvay Satpute, got Ist Prize in organized a one-day National Seminar on "Recent Advances in Fungal Biodiversity & Agro-Biotechnology" to provide insights into the latest developments and research in the field of fungal biodiversity and its applications in agro-biotechnologyDepartment of Botany, Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science Mahavidyalaya, Warud, Dist - Amravati 444906 (M.S.) 20-09-2019

☐ Sanvay Satpute, got 2nd Prize in Photography competition organized by Kamla Nehru college ,Nagpur 2024

