



**Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**

Department of Biotechnology

A) Summary Report

| | | | | |
|--|--------------|---|---------------|--------------|
| 1) Title of Programme: | | Conservation and Preservation of Medicinal Plants and Nursery development | | |
| 2) Name of Organizing Department/Unit: | | Department of Biotechnology | | |
| 3) Name of the Coordinator(s)/ Convener(s)/ Organizer(s) of the Programme: | | Chief Organizer: Dr. Mahadev Gavhane Joint Chief Organizer: Prof. S. N. Shinde Head: Dr. S. S. Kulkarni Convener: Dr. R. B. Ade Prof. U. P. Sirdeshmukh | | |
| 4) Date(s) of the Programme: | | 29 th August 2022 | | |
| 5) Venue: | | Department of Biotechnology | | |
| 6) Target Group: | | UG Students of B. Sc. III year and B. Sc. II Year | | |
| 7) Number of Participants: 55 | | Male | Female | Total |
| A separate list with signatures be maintained in the department/Unit) | Teaching | 00 | 00 | 00 |
| | Non-Teaching | 00 | 00 | 00 |
| | Students | 34 | 21 | 55 |
| 8) Name(s) and details of Resource Person(s), if any: | | Nil | | |
| 9) Total Expenditure for the Programme: | | Nil | | |
| 10) Source of Funding: | | Not Applicable | | |

B) Report

i. Title:

Conservation and Preservation of Medicinal Plants and Nursery development

ii. Introduction:

Conservation of medicinal plants is an act of careful preservation and protection of natural resources or habitats of medicinal plants especially through planned management. Medicinal plant conservation strategies are based on an understanding of indigenous knowledge and practices. Conservation of medicinal plants in its bio-cultural perspective not only implies conservation of biodiversity but also provides conservation of cultural diversity. As per the world conservation strategy (1980), conservation is defined as “the management of human use of the biodiversity so that it may yield the greatest sustainable benefit to present generation while maintaining its definitions invokes two complementary components conservation and sustainability”. Many drugs contain herbal ingredients and it has been said that 80-90% of the world’s population relies on some form of non-conventional medicine, but the market demand has led to increased pressure on the natural resources that lend to the production of some of these plants. Department of Biotechnology has decided to conserve the indigenous medicinal plants and decided to maintain them for longer time so that the planting material will be available whenever it demands and by maintaining it we can establish one of the best enriched medicinal plant nurseries in the Latur area. Department have initiated and inaugurated along with students on 29th August 2023.

iii. Objectives of the Programme:

- To gain knowledge and awareness about Medicinal plant Conservation
- To increase student knowledge by actual participation in work-based learning.
- To acquire skills in planning and execution of Necessary protocols to establish Nursery.

iv. Details of participants:

55 students (34 Male and 21 Female) participated in this activity.

v. Brief summary of Events/ Session:

The most serious proximate threats when extracting medicinal plants generally are habitat loss, habitat degradation, global climate change, and over-harvesting. Hence highly threatened species must not be collected at all to increase their prospects of survival. There should be clear information about which plants are threatened. Department has initiated this activity for long time goals to develop the Nursery of indigenous and useful medicinal plants with the help of student participants, for that the levelling of soil has been done, the seeds of Arjuna, Palas, Karanj, Bahava, Tamarind and Umbar have been collected, treated and sowed scientifically in the Soil: Organic manure in the equal ratio and special care have been taken with best management of water with the help of standardized equipments and plants have been carried out. Thus, we have develop more than 3500 plants of four-month duration in our department nursery.

vi. Conclusion, with Feedback on the Programme

The students got benefited and more updated with increased knowledge about Medicinal Plant Conservation. Student participants were awarded about mixing of soil and organic manure, sowing of seeds and daily water management. Participants gained information about planning and execution of necessary protocols to establish Nursery.

vii. Appendix: List of participants.

Date: 30/08/2022


HOD
Head

Department of Biotechnology
Rajarshi Shahu Mahavidyalaya
(Autonomous) Latur-413 52




Principal
PRINCIPAL

Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

C) Geotagged Photographs/ Screenshots:



Inauguration by student participant worshipping the foundation stone and soil



Team of student and teachers (Dr. S. S. Kulkarni and Prof. U. P. Sirdeshmukh) participated in the work



Prof. Sirdeshmukh are guiding the students with Dr. S. S. Kulkarni (Head)



Dr. R. B. Ade and team of students during plantation work



Prof. U. P. Sirdeshmukh observing the work of participant



Newly generated plantlets



Polybags ready for sowing



Newly generated plantlet

D) Boucher of the programme: -



**Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Department of Biotechnology**

Conservation & Preservation of Medicinal Plants & Nursery Development

Date: 29 August, 2023

Time: 4pm

**Venue: Departmental Campus
Premises**

**We help keep your surroundings
clean and tidy**



**Dr. Mahadev Gavhane
Chief Organizer
Rajarshi Shahu Mahavidyalaya
(Autonomous), Latur**

**Dr. S. S. Kulkarni
HOD of Biotechnology
Rajarshi Shahu Mahavidyalaya
(Autonomous), Latur**

**Prof. S. N. Shinde
Joint Chief Organizer
Rajarshi Shahu Mahavidyalaya
(Autonomous), Latur**

**Dr. R. B. Ade & Prof. U. P. Sirdeshmukh
Convener
Rajarshi Shahu Mahavidyalaya
(Autonomous), Latur**

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Department of Biotechnology
Conservation & Preservation of Medicinal Plant & Nursery Development
List of Student Participant

| Sr. No | Name | Gender | Sign |
|--------|----------------------------------|--------|---------------------|
| 1 | Anuja Anil Patil | F | <u>Anuja</u> |
| 2 | Aditya Dhananjay kuber | M | <u>Aditya</u> |
| 3 | Divya Shrikrishna Thakurdeshmukh | F | <u>DivyaT.</u> |
| 4 | Parth Milind Kulkarni | M | <u>Parth</u> |
| 5 | Juned Sheikh | M | <u>Juned</u> |
| 6 | Vaishnavi Mane | F | <u>Vaishnavi</u> |
| 7 | Rupali Dagadu Ade | F | <u>Rupali</u> |
| 8 | Kshiesagar Swapni Dhanraj | M | <u>Kshies</u> |
| 9 | Bawge Vaishnavi Nagesh | F | <u>Bawge</u> |
| 10 | Mane Vaishnavi Satish | F | <u>Mane</u> |
| 11 | Pathan Iram | F | <u>I. Pathan</u> |
| 12 | Chaikwad Rakhi Govind | F | <u>Rakhi</u> |
| 13 | Ganesh Bhagwat Munde | M | <u>Ganesh</u> |
| 14 | Amol Ramesh mane | M | <u>Amol</u> |
| 15 | Kodam Vaishnavi madhav | F | <u>Kodam</u> |
| 16 | Bitajdat Mangesh Ganpati | M | <u>Bitajdat</u> |
| 17 | Kaldake Shrivani omprakash | F | <u>Shrivani</u> |
| 18 | Kanwate Shivani Chandrashekhar | F | <u>Shivani</u> |
| 19 | Shinde Pruthviraj Balaji | M | <u>Shinde</u> |
| 20 | Bhimashankar Malwade | M | <u>Bhimashankar</u> |

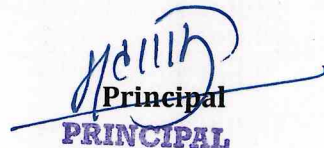
| | | | |
|----|--------------------------------|---|------------------|
| 21 | Ankita Chandrashekhar Ravikar | F | <u>Ankita</u> |
| 22 | mane Sachin Ganpatrao | M | <u>Sachin</u> |
| 23 | Shinde Pragati Pandurang | F | <u>Pragati</u> |
| 24 | Pundkare Sanskruti Sahebrao | F | <u>Sanskruti</u> |
| 25 | Nikhil Shrinant Gunje | M | <u>Nikhil</u> |
| 26 | Meugshette Vaishnavi Sautosh | F | <u>Vaishnavi</u> |
| 27 | Gadade Rutuja Hanishchandra | F | <u>Rutuja</u> |
| 28 | Gadade Amruta | F | <u>Amruta</u> |
| 29 | Rutuja Bardale | F | <u>Bardale</u> |
| 30 | Shirpooja Swami | F | <u>Swami</u> |
| 31 | Sneha Sneha Kolewad | F | <u>Sneha</u> |
| 32 | Bodke Chaitany Sahebrao | M | <u>Chaitany</u> |
| 33 | Bucche Sagar Madhar | M | <u>SagarmB</u> |
| 34 | Suraj Dhananjay Gulbhile | M | <u>Gulbhile</u> |
| 35 | Ratnod Mohan Rajabkhan | M | <u>Ratnod</u> |
| 36 | Harde Chaitanya | M | <u>Chaitanya</u> |
| 37 | Sandeep Shinde | M | <u>Sandeep</u> |
| 38 | Piche Prajval | M | <u>PicheP</u> |
| 39 | Bhakre Shreedatt Abhimanyu | M | <u>Shreedatt</u> |
| 40 | Mashalkar Ganesh | M | <u>Ganesh</u> |
| 41 | Shubham Mohite | M | <u>Shubham</u> |
| 42 | Aniket Shivajirao Bhosale | M | <u>Aniket</u> |
| 43 | Chaitrali Tanajirao Deshmukh | F | <u>Chaitrali</u> |
| 44 | Kamble Pooja Milind | F | <u>Pooja</u> |

| | | | |
|----|---------------------------|---|-----------------|
| 45 | Bolegave suraj Bhagvat | m | <u>Bolegave</u> |
| 46 | ITKAR SACHIN RAJU | M | <u>Sachin</u> |
| 47 | Katkar Mohamadhanif Gulab | M | <u>Katkar</u> |
| 48 | Shaikh Hamid Mahebub | M | <u>Shaikh</u> |
| 49 | Shelke Digambar Balu | M | <u>Shelke</u> |
| 50 | Naikwade Keshav Netaji | M | <u>Keshav</u> |
| 51 | Khot Sopan Kishan | M | <u>Khot</u> |
| 52 | Bisadae Omkar Vasant | M | <u>Bisadae</u> |
| 53 | Avinash Gajanan Bagade | M | <u>Bagade</u> |
| 54 | Kamble Paras Gundu | M | <u>Kamble</u> |
| 55 | Gaikwad Gaurav Vyayakar | M | <u>Gaikwad</u> |


Head

Head
Department of Biotechnology
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(Autonomous) Latur-413 53




Principal
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