

Venkatesh Mahajan Senior College, Osmanabad

Department of Botany

Annual Report 2022-23

This year department of botany has conducted many programs and courses which aimed at overall academic development of students. The focus of these programs was skill development, inculcating environmental values, developing research skills and dissemination of knowledge at school level. The list of following activities is as follows

- Continuation of Project on Shatavari cultivation .
- Continuation of Project on Vermi-composting.
- Workshop on Making of QR Code for plants for 10th class student of Arya Chanakya High school Dharashiv (Date 01/08/2022).
- QR Code Making for Tuljabhavani Mahavidyalaya Tuljapur
- Environment Awareness rally arranged on the occasion of Har Ghar Tiranga Day (13 August 2022).
- Poster presentation competition organized on the occasion of “National Pollution Control Day” (2 December 2022)” and “World Water Day” (6 December 2022).
- Participation of student in University “Avishkar” Competition dated 3rd and 4th January 2023.
- Scientica - Wall paper publication, on the Occasion of 26 Jan 2023.



Head

Department Of Botony
Venkatesh Mahajan Sr.College
Osmanabad



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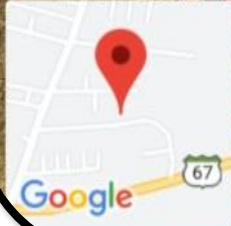
Continuation on project on Shatavari cultivation

In the Academic Year 2022-23 department of Botany continued the previous year Project on Shatavari Cultivation. In this project 30 students of B. Sc. enrolled the work of this project started after enrollments of the student. Initially student have collected the roots of Shatavari(Asparagus) from previous years plot because some of the roots were remained hidden in soil. These roots along with their stems were replanted in the newly prepared plot.

This year we gone further in training students in making powder from roots of Shatavari. The remaining Shatavari roots were then washed and the thread from them were removed by student. This was preparation for preparing powder from the roots. This is the commercial practice for gaining this profit from the crop. Through this activity students were trained how to make Shatavari cultivation more profitable. As the Shatavari crop requires 18 months to harvest therefore this project will continue in next academic year.

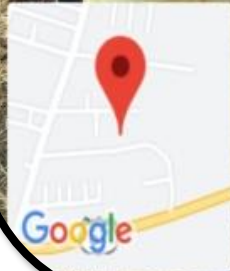


Students preparing new plot for cultivation of Shatavari



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Students preparing new plot for cultivation of Shatavari



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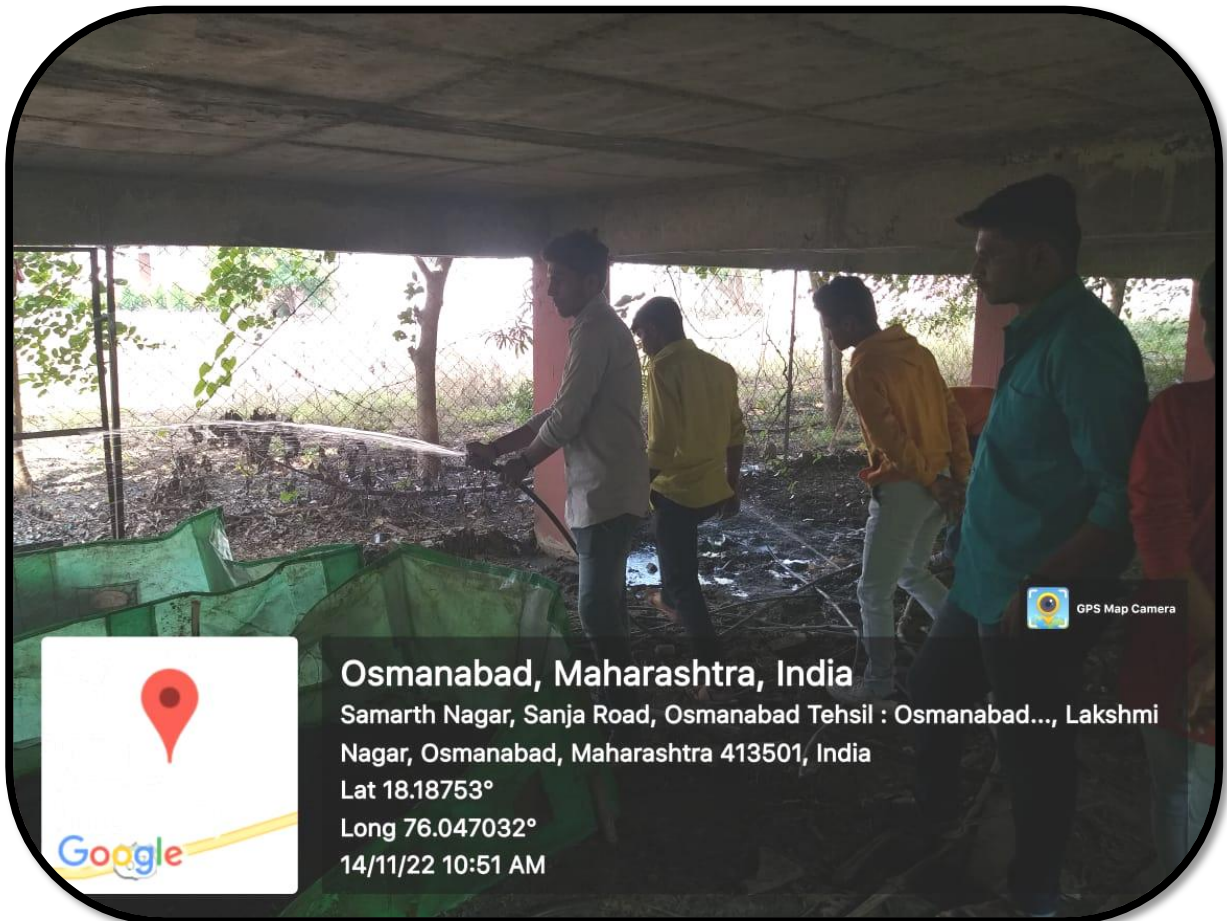
Students removing thread from roots of Shatavari



Students washing roots of Shatavari

Project on Vermicomposting

Department of Botany continued the project on Vermicomposting in this Academic Year 2022-23. First of all the cleaning of the vermibeds was done by students. It is followed by **filling of vermibeds with soil and compost. For that students enrolled in this project dig the soil from the college premises and carried it to vermibed.** To these soil filled vermibeds dried plant leaves from the college botanical garden were added. To increase the quality of the vermicompost this year we added compost of cow dung was added. After that vermibeds were watered frequently by students. When all dried leaves and cow dung was decomposed the vermibeds were added with earthworms. After that vermibeds were watered frequently by students to keep moisture and water content at optimum level. For this project 30 students of Bsc II nd year enrolled. All these students enthusiastically participated in all the activities of the project.



Students cleaning the vermibeds



Students digging the soil for adding into vermibeds



Students adding compost to soil into vermibeds



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Students adding husk of soyabean into vermibeds



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Students adding Earthworms into vermibeds



**Venkatesh Mahajan Senior College, Dharashiv
(Osmanabad)**



Department of Botany

**Workshop on Making of QR Code for plants for 10th class student of
AryaChanakya High school Osmanabad (Date 01/08/2022) .**

Department of Botany has Organized one day workshop for 10th class student of Arya Chanakya High School Osmanabad on making of QR code for plant on 1st Aug 2022 to mark the Death Anniversary of **Lokmanya Ganadhar Tilak** and Birth Anniversary of **Lok Shahir Annabhau Sathe**. The workshop was presided by Prof Dr. Jayashri Kulkarni and the chief guest of the workshop was Principal Dr Manish Deshpande- Arya Chanakya High School Osmanabad. The workshop was formally inaugurated by offering flowers to the photo of Bharat Mata. Introduction of the program was given by Prof Shinde. A. R. After that Dr. Jayashri Deshmukh inspired students through her presidential speech. The anchoring of the program was done by Dr. Sahadev Rasal and the vote of thanks was given by Smt. Linge A. S. as head of department of Botany. During the inaugural program faculties of college and teachers of Arya Chanyaklya High School were present.

The workshop was conducted in two sessions. Both these sessions were conducted by students of B. S. T. Y. students. The first session was conducted by Ashok Gavhane in which he

explained the importance of botanical names of plants and how to find out scientific names of plants. The second session was conducted by Pathan Ayesha in which she explained to student about QR code and procedure for making QR codes. Other students of B. Sc. T. Y. assisted 10th class students in making of QR codes.

Overall 41 students of Arya Chanakya High School have attended this workshop. They enthusiastically participated in this workshop and most of the students has successfully leaned the technique of QR code making for plants.



Inauguration of one Day workshop on QR code making



Dr. Sahadev Rasal anchoring the inauguration program during inauguration program



Ashok Gavhane student of B. Sc. T. Y. conduction first session of workshop



Students of B. Sc.T.Y. helping students of Arya Chanakya School for making of QR codes



Students of B. Sc.T.Y. helping students of Arya Chanakya School for making of QR codes



Faculties and teaches present during the workshop sessions

QR Code Making for Tuljabhavani Mahavidyalaya, Tuljapur Dist. Osmanabad.

The quest for the spread knowledge and technology did not stopped at workshop taking for school children, it went further to help the other college to for making of QR codes to plant occurring in their premises. After formal request of Principal of Tuljabhavaini Mahavidyalaya, Tuljapur Dist. Osmanabad students of Department of Botany made QR codes of plants occurring in their premises. For that three students of our college Gavhane Ashok, Samarth Kulkurni and Dong Prathmesh made frequent visits along with faculty Shri Abhay Shinde. First students took photo graph of plants and then searched the botanical name of them. After that by meticulous work they made QR codes of around 60 plant species which include ornamental and wild species. The same QR codes was then attached to respective plants by the students.



Students fixing QR codes to the plants at Tuljabhavani Mahavidyalaya Tuljapur



Principal of Tuljabahavani College Dr. S. Maner presenting Letter of Gratitude to Principal Dr Prashant Choudhari



Principals and faculties along with student of our college during present during inauguration of QR codes of plants.



Principal of Tuljabahavani College Dr. S. Maner scanning the QR code of plant

**Environment Awareness rally arranged on the occasion of
Har Ghar Tiranga Ghar Ghar Tiranga Day (13 August 2022).**

Environment Awareness Rally-- 2022-23

Venkatesh Mahajan Sr college Osmanabad organized Environment Awareness Rally on 13/8/2022. This Rally was organized as a part of “ Har Ghar Tiranga Ghar Ghar Tiranga “ campaign initiated by Government of India. In this Rally student made various placards having slogans on environmental issue like Plantation, Save water , no pollution , no plastic ,etc and shouted those slogan in the rally.

All student and faculty members have participated in this Rally. Our principal Prof. Dr Prashant Chaudhari headed this rally from the front. About one hundred fifty has enthusiastically participated in this campaign. The rally covered major parts of the city covering distance of ten kilometers.



Students and Faculties walking in the rally



Student holding the placards on the environment issues

Poster presentation competition organized to celebrate

“National Pollution Control Day” (2 December 2022)”

And

“World Water Day” (6 December 2022)

On 6th Dec 2022 Department of Botany organized a program on poster presentation competition for Bsc II nd year students on the occasion of **“National Pollution Control Day” (2 December 2022)”** and **“World Water Day” (6 December 2022)**.

The chief Guest – Prof Dr. Wadikar Madhuka R. B. Head Department of Botany, Attal College Georai Dist Beed was invited for this program. The program started After the inauguration by chief guest. The principal Dr. Prashant Choudhari along with Faculty were present on the occasion member and 30 students of Bsc II nd year participated in this competition . chief Guest Examine all the poster and presentation .and Three Best poster selected from all the Participants.These are

1. First – Deshmukh Anjali Digamber (poster made on Air pollution)
2. Second – Patel JishanSayyed (ways to prevent water pollution)
3. Third –TikoneVaishnavi R.(Pollution free earth).

6 Dec 2022 - Poster presentation competition.

Chief Guest – Prof Dr. Wadikarsir , Principal .Dr. PrashantChoudhari sir
Examine Poster .of participant





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Participation of student in University “Avishkar” Competition (3 and 4 January 2023).

On the Date 3rd and 4th Jan. 2023 Bsc III rd year students participated in University level Poster presentation competition “Avishkar”.

Name of the student

1 Aisha khan pathan -- Bsc III rd


2 AnjaliTawale - Bsc III rd year

Name of the Co -ordinator-Prof Shinde A.R

Name of the topic – “Extraction of Biodiesel From Algae “



Student and faculty at Annual Avishkar Meet


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