

“Dissemination of Education for Knowledge, Science, and Culture”
- ShikshanmaharshiDr.BapujiSalunkhe
Shri Swami VivekanandShikshanSanstha, Kolhapur

**PADMABHUSHAN DR.VASANTRAODADA
PATIL MAHAVIDYALAYA, TASGAON**

DEPARTMENT OF BOTANY

REPORT OF

**WORKSHOP ON
GARDENING**

Date: 30/12/2019

INFORMATION

Organizing Department	Botany	
Activity	One Day Workshop on Gardening	
Date	30/12/2019	
Duration	01 Day	
Participants	Students	156
	Faculty	03
Total Participants		159

Dissemination of Education for Knowledge, Science, and Culture”
- ShikshanmaharshiDr.BapujiSalunkhe

Shri Swami VivekanandShikshanSanstha, Kolhapur
PadmabhushanDr.VasatraodadaPatilMahavidyalaya, Tasgaon

Department of Botany

Date: 25/12/2019

To

The Principal

PadmabhushanDr.VasatraodadaPatilMahavidyalaya,

Tasgaon, Dist- Sangli.416312

Subject: To seek Permission to conduct ‘**ONE DAY WORKSHOP ON GARDENING**’

Respected sir,

With reference to above mentioned subject, Department of Botany is going to conduct one day workshop on gardening on **30/12/2019**. We are kindly requesting you to allow us to conduct this activity for our students.

Thanking you

Yours Faithfully


(Dr. N. A. Kulkarni)
HEAD
DEPARTMENT OF BOTANY
PADMABHUSHAN DR. VASANTRAO DADA PATIL
MAHVIDYALAYA, TASGAON, DIST. SANGLI

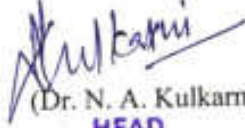
“Dissemination of Education for Knowledge, Science, and Culture”
-ShikshanmaharshiDr.BapujiSalunkhe
Shri Swami VivekanandShikshanSanstha, Kolhapur
PadmabhushanDr.VasatraodadaPatilMahavidyalaya, Tasgaon

**DEPARTMENT OF BOTANY
2019-20**

Notice

Date :26/12/2019

All the students of the college hereby informed that we are going to conduct one day workshop on gardening on **30/12/2019**. All the students are requested to participate in this course.


(Dr. N. A. Kulkarni)
HEAD
DEPARTMENT OF BOTANY
PADMABHUSHAN DR. VASANTRAO DADA PATIL
MAHAVIDYALAYA, TASGAON, DIST. SANGLI

INTRODUCTION:

Gardening is very interesting branch of botany which deals with various aspects of plants like landscape gardening, growing of indoor plants, bonsai making, terrarium (bottle garden), flower arrangements etc. For getting knowledge of these branches of gardening in addition to the theoretical information practical or hands-on experience is more useful to the students. Practical knowledge of these skills may be helpful to students to start a small scale business or to perform in their own houses.

Keeping in mind the department of Botany has organized one day workshop on various aspects of gardening like Landscape Gardening, Bonsai, Flower Arrangements and Terrariums on **30/12/2019**. Experts from various gardening branches are invited to deliver their expertise in the workshop. Shri. Sanjeev Walawalkar (Landscape gardening), Dr. Manjushree Phadake and Mrs. Neha Kulkarni (Terrarium), Mrs. Mrunal Natekar (Flower Arrangement) from an NGO named "HIRVAL" are invited for their demonstrations with the natural materials.

The inauguration of the function has been made by the auspicious hands of Principal. Dr. Milind Hujare Sir. After the inauguration the workshop is followed with the lecture by Shri. Sanjeev Walawalkar on various aspects of gardening like Landscape gardening, fertilizers used, soils, pots used for the Bonsai preparation etc. After the lecture by Shri. Sanjeev Walawalkar, two separate groups of students are made and the lecture and demonstration by Dr. Manjushree Phadake and Mrs. Neha Kulkarni on Terrarium and bonsai preparation by Mrs. Mrunal Natekar on Flower Arrangement has been parallelly in two separate laboratories for close grasping of the students.



Inauguration of the Know Our Plant Best Practice of the Department



Introductory speech by Dr.N.A.. Felicitation of Chief Guest Kulkarni



Felicitation of Resource Persons



Inauguration of the One Day Workshop on Gardening

Lecture and Demonstration No.1: Shri. Sanjeev Walawalkar (Landscape gardening and Bonsai)

-The first lecture has been delivered by Shri. Sanjeev Walawalkar on Landscape gardening and Bonsai. He has explained various aspects of gardening. He has explained following principles.

Principles of Landscaping:It is very difficult to lay down principles of landscaping, applicable everywhere.

However, he has told the general principles of landscaping as follows:

(i) The ideal landscape garden is like ideal landscape painting which expresses some single thought or feelings. Its expression may be gay, bold, retired, quiet, etc.(ii) Beauty and utility should be harmoniously combined.(iii) Area should be divided into different parts and plan should be conceived for each area. Overall plan should be such that the observer catches the entire effect and purpose of the plan without stopping to analyze its parts.(iv)Let the garden and building merge into each other. There should not be stopping abruptly particularly in front of building. The view of garden from the windows and doors should be very attractive. Planting around the building, climbers against wall and on the porch, decoration of verandah and rooms with attractive foliage, flowering plants, hanging baskets serve to unique the building with garden. Every part of the compound should be planned in such a way that it gives surprising effect to visitor.(v) Simplicity of design should be aimed at which helps in the execution of the plan.(vi)An ideal landscape should have open space.(vii) Over crowding of plants and object should be avoided.

He has also explained various aspects of Bonsai preparation. He has explained the materials required for bonsai preparation like Bonsai pots, Soil, fertilizers required etc.



Lecture and Demonstration No.1: Shri. Sanjeev Walawalkar(Landscape gardening and Bonsai)

Lecture and Demonstration No.2: Dr. Manjushree Phadake and Mrs. Neha Kulkarni (Terrarium) –Dr. Manjushree Phadake and Mrs. Neha Kulkarni have together explained various styles of Bonsai making and Terrarium preparation along with the demonstration.





Lecture and Demonstration No.2: Dr. Manjushree Phadake and Mrs. Neha Kulkarni (Terrarium)

They have explained following points.

Bonsai is an art of dwarfing trees and perennial shrubs. A bonsai is not just a dwarfed plant, but it should depict all the characteristics of an age-old tree in its full glory. It is not at all difficult to dwarf a tree or a shrub. But, skill is needed in making it a mini replica of a giant tree with all its glory and ruggedness,

Choosing plants: Any of local, perennial trees or shrubs, preferably with tiny or smaller leaves can be chosen. These days a number of exotic foreign plants too are available for bonsai. Imli, Vilayati Imli (Manila tamarind), Indian coral

tree, Bottle brush tree, Parkinsonia, Casuarina, Persian lilac, Sandpaper tree, varieties of Ficus, Guaiacum and Baobab tree some of the trees which are suitable for bonsai. Malpighia, Kamini, Serissa, Lantana, Galphimia, Duranta, Calliandra, Bougainvillea, Carmona, Ravenia, Schefflers, Aralia, Portulacaria (Jade plants) and Adenium are some of the suitable shrubs.

Containers: Earthen or ceramic containers are most useful. The pot should have its mouth larger than its base. Containers with constricted mouths should not be used, as changing soil and root pruning in these pots is difficult.

Soil Mixture: A small quantity of sand, vermiculite, rice husk or brick granules are used in the soil mixture; it will remain porous for longer periods. The porosity in soil aerates the soil; thus promoting healthy root growth and also facilitates faster drainage.

Implements: Secateurs, small poker for loosening soil, pliers or a wire cutter, watering can with a fine sprinkler and a spray pump (optional).

Materials: Good garden soil, farmyard manure, nylon netting, moss and copper wires of 20, 18 and 16 gauge. (Sand/vermiculite/rice husk optional).

How to get plants: Visit the nurseries to find a good source of healthy plants. Plants bought from a nursery will save you the time, as they will be already grown up. Alternately, one may grow the plants from seeds, by cuttings, or by layering / grafting / budding.

Useful hints: If you buy a plant from a nursery and if the plant is too big to be accommodated in the chosen bonsai pot, then first do partial pruning of branches and roots. Repot the plant in a slightly smaller pot. Allow it to stabilize. After this, branch and root pruning can be done again for repotting in a even smaller pot.

Pruning and Pinching: Pruning of branches is done either to shorten a branch or to eliminate it. Pinching is done to encourage side shoots to grow and thus to make it grow dense. Branch pruning and pinching alone is responsible mainly in dwarfing of the plant.

Root Pruning: A potted plant can be dwarfed without pruning its roots.

To accommodate a plant in a smaller pot, it becomes necessary to prune some of the roots.

Shaping: To bend and twist the branches to a desired shape, following processes are followed. Tying, wiring and tilting. Tying is a process in which branches are tied down or up and secured to a support to get the desired effect. In wiring, soft copper or aluminium wires are wound around a stem in a helical manner. After wires are wound, the branches could be bent to a desired form. The process of bending them should be done gradually. After the branch has acquired the desired shape (After a few months) the wires are removed.

Dr. Manjushree Phadakehas explained the technique of making the “Terrarium” or Bottle Garden. It is a technique in which miniature plants are grown in broad mouth glass bottles. She explained choose only those plants, which tolerate shade and humid atmosphere. The plants chosen also should be slow growing; as fast growing plants will need frequent pruning; for which opening of the bottle frequently will be needed. Keep the bottle near the window, where it will get bright diffused light. Hot sunlight must be avoided. If exposed to harsh sunlight, plants will literally get cooked inside the bottle. Following plants are suitable for the bottle gardens. Fittonia, Episcia, Miniature varieties of Aglaonema, Ferns, Cryptanthus, Pilea, Pellionia and Peperomia.



Pots used for Bonsai Preparation



Soil prepared for Bonsai Preparation



Bonsai of Stone Plant



Bonsai of Ficus Plant



Bonsai of Rubber Plant



Bonsai of Ficus Plant

Lecture and Demonstration No.3: Mrs. Mrunal Natekar (Flower Arrangement)

-Mrs. Mrunal Natekar have explained and demonstrated various methods and styles of Flower Arrangement by using the flowers of Gerbera, Carnation, Dahlia, Duranta etc. She has shown the styles of Bouquets and flower pots for the ceremonies. She has practiced the preparation of these items from the students. Students are actually experienced making of Bouquets and flower pots.



Lecture and Demonstration No.3: Mrs. MrunalNatekar (Flower Arrangement)


(Dr. N. A. Kulkarni)
HEAD
DEPARTMENT OF BOTANY
PADMABHUSHAN DR. VASANTRAO DADA PATHI
MAHAVIDYALAYA, TASGAON, DIST. SANGLI

List of Participants

"ज्ञानं, विद्यां आणि सुखं प्राप्तं सर्वं विद्यायाः" - विद्यार्थी अ. वृत्ती मंडळ
 Shri Swami Vivekanand Education Sanstha, Kolhapur
Padmabhushan Dr. Vasantrodada Patil Mahavidyalay, Tasgaon
 (Dist. Sangli.)

CLASS ROOM ATTENDANCE SHEET

Name of the Teacher Crardening W. K. Kulkarni Subject _____
 Class Mac II / B.Sc. II Time _____ Date 30/10/2019

Roll No.	Name of the Student	Signature	Roll No.	Name of the Student	Signature
5713	Savane Abhishek Mathura	<i>[Signature]</i>	5693	Kamble Pallavi Anand	<i>[Signature]</i>
5714	Ranikumbha Shubham. P.	<i>[Signature]</i>	5704	Gavade Shital Ashok	<i>[Signature]</i>
5715	Ghoshkate Shantam N.	<i>[Signature]</i>	5705	Desai Amruta Madhukar	<i>[Signature]</i>
5716	Langhe Suraj V.	<i>[Signature]</i>	5716	Rasul Arshad A.	<i>[Signature]</i>
5717	Kumar Abhinav	<i>[Signature]</i>	5717	Satish Shandaz A.	<i>[Signature]</i>
5718	Patil Anurag S.	<i>[Signature]</i>	5718	Jadhav Pranali Paghunath	<i>[Signature]</i>
5719	Patil Nikhil Dipakram	<i>[Signature]</i>	5719	Chimre Nikhil Indira	<i>[Signature]</i>
5720	Kamble. R. H.	<i>[Signature]</i>	5720	Castwad Purva Vijay	<i>[Signature]</i>
9239	Panchal Shilpa Dattatraya	<i>[Signature]</i>	5721	Mali Pranika Kumar	<i>[Signature]</i>
9214	Mare Omkar Prasad	<i>[Signature]</i>	5722	Gavade Swati Dadasa	<i>[Signature]</i>
9215	Gejage Telesh Balu	<i>[Signature]</i>	5723	Hakke Tejaswini B.	<i>[Signature]</i>
9232	Vhanrao Raviacharya	<i>[Signature]</i>	5724	Patil Ratna Taraji	<i>[Signature]</i>
9224	Pawar Atish Suresh	<i>[Signature]</i>	5725	Patil Poojita Vinod	<i>[Signature]</i>
6111	Mulla Riyaz Akram	<i>[Signature]</i>	5726	Mali Komal Dattatray	<i>[Signature]</i>
5859	Patil Anuradha A.	<i>[Signature]</i>	5727	Pawar Sushmi Ravindra	<i>[Signature]</i>
5851	Patil Dipali R.	<i>[Signature]</i>	5728	Mali Pooja Manoj	<i>[Signature]</i>
5850	Mali Ashwini G.	<i>[Signature]</i>	5729	Tripathi Vandana D.	<i>[Signature]</i>
5878	Langde Pallavi G.	<i>[Signature]</i>	5814	Nikarade Vashant M.	<i>[Signature]</i>
5848	Patil Ashwarya G.	<i>[Signature]</i>	5835	Mohite Amruta Manik	<i>[Signature]</i>
5830	Muskar Snehal J.	<i>[Signature]</i>	5845	Gaitwad Bonam Shantam	<i>[Signature]</i>
5808	Dambe Ashwarya N.	<i>[Signature]</i>	5854	Patil Kirti Suresh	<i>[Signature]</i>
5810	Ghodake Shreeta C.	<i>[Signature]</i>	5840	Mohite Shital Vikas	<i>[Signature]</i>
5720	Yalmar Dipali Lalasa	<i>[Signature]</i>	5877	Pawar Pallavi Nanasaheb	<i>[Signature]</i>
5825	Jadhav Gayatri Sandkumar Sunanda	<i>[Signature]</i>	5804	B. Dharkar Paribha D.	<i>[Signature]</i>
5820	Husare Rupali Vithal	<i>[Signature]</i>	5713	Patil Supriya Sampatram	<i>[Signature]</i>
5879	Madane Komal Anjana	<i>[Signature]</i>	5825	Patil Komal Baburao	<i>[Signature]</i>
5855	Patil Pooja Shingaji	<i>[Signature]</i>			
5805	Dharmawade Snehal	<i>[Signature]</i>			
5601	Chavan Mayuri Sanjay	<i>[Signature]</i>			
8705	Patil Ujjwala Baburao	<i>[Signature]</i>			

[Signature]
Signature of the Teacher

"ज्ञान, विज्ञान अस्मि भूतलंकारं वांछन्ति विज्ञानं ज्ञानं" - विद्यामयी डॉ. बापूजी साहू

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Padmabhushan Dr. Vasantraodada Patil Mahavidyalay, Tasgaon

(Dist. Sangli.)

CLASS ROOM ATTENDANCE SHEET

Name of the Teacher Workshop on Gendering Subject _____

Class _____ Time _____ Date 30-12-2019

Roll No.	Name of the Student	Signature	Roll No.	Name of the Student	Signature
5683	Mali Parnali Balasa	<u>Snali</u>	5706	Patole Sayali Ramcharan	<u>Patole</u>
5673	Jamadade Mayuri Vishnu	<u>Jamadade</u>	5711	Salunkhe Snehal Dinesh	<u>Salunkhe</u>
5672	Jadhav Gouri Raghunath	<u>G.Radhav</u>	5729	Patil Gauri Sharad	<u>Patil G</u>
5845	Naravade Pooja Tanaji	<u>Naravade</u>		Pawar Snehal M	<u>Pawar</u>
5824	Jamadade Rutuja Subhash	<u>Jamadade</u>	6122	Deshmukh Ananda B.	<u>Deshmukh</u>
5852	Patil Divya Ajeun	<u>Patil</u>	6125	Salunkhe Ankita S.	<u>Salunkhe</u>
5695	Patil Priyanka Balasa	<u>Bali</u>	6143	Patil Samrudhi S.	<u>Patil</u>
5834	Mane Pratibha Manik	<u>Mane</u>	6136	Salunkhe Snehal B	<u>Sal</u>
5822	Jadhav Sonali baban	<u>Jadhav</u>	6181	Patil Bonam A.	<u>Patil</u>
5835	Mane Samrudhi mohan	<u>Mane</u>	6123	Jadhav Neha K.	<u>Jadhav</u>
5832	Mane Ankita Adhikar	<u>Mane</u>	6134	Patil Rohini S	<u>Patil</u>
6130	Patil N.V.	<u>Patil</u>	6137	Shikarje Samant J	<u>Shikarje</u>
5123	Sutar Pranjita P.	<u>Sutar</u>	6125	Khondagale Tanuja S.	<u>Khondagale</u>
5674	Kale Kajal Kisan	<u>Kale</u>	5701	Patil smita Tanaji	<u>Patil</u>
5719	Wagh Akanksha sanjay	<u>Wagh</u>	5706	Patil Swapnali sayaji	<u>Patil</u>
5662	Gavan Pramila Pandurang	<u>Gavan</u>	5799	Ugahe Tejaswini Sahib	
5670	Mali Ashwini Ramcharan	<u>Mali</u>	5800	Mohite Shital vikas	<u>Mohite</u>
5660	Mohite Rati Hindurao	<u>Mohite</u>	5854	Patil Kirti Suresh	<u>Patil</u>
5693	Patil Ananda Dinkar	<u>Patil</u>	5680	Mali Ashwini C.	<u>Mali</u>
5668	Giri Kavita Sanjay	<u>Giri</u>	5871	Pawar Pallavi Manasaheb	<u>Pawar</u>
5664	Erandole Shubhangi Mahadev	<u>Erandole</u>			
5677	Kulkarni vaishnavi S.	<u>Kulkarni</u>			
5671	Jadhav Bhagyashri Babar	<u>Jadhav</u>			
5636	Mane Supriya Pratap	<u>Mane</u>			
5626	Mane Manisha Madhukar	<u>Mane</u>			
5793	Abdare Bhagyashri S.	<u>Abdare</u>			
5126	Khedkar Ashwini A.	<u>Khedkar</u>			
121	Abhitekar Rutuja B.	<u>Abhitekar</u>			
6121	Mali Pranjita Ashok	<u>Mali</u>			
5700					

Signature of the Teacher

Padmabhushan Dr. Vasantraodada Patil Mahavidyalay, Tasgaon
(Dist. Sangli.)

CLASS ROOM ATTENDANCE SHEET

Name of the Teacher Gravelling WORKSHOP Subject _____
Class BSc - II / MSc - II Time _____ Date 30/12/2019

Roll No.	Name of the Student	Signature	Roll No.	Name of the Student	Signature
5686	More Manisha Madhukar	(More)	5685	Giri Kavita Sanjay	K.S.Giri
5793	Abdare PhagisBoris	(Phagis)	5719	Patil Rohini Ganpat	(Patil)
5720	Yalmar Dipali Lalaso	Deepali	5723	Patil Swapnali J.	(Patil)
5679	Madane KomalSantosh	(Madane)	6121	Astikar Rutuja B.	(Astikar)
5670	Hivare Rupali Vitthal	Rupale	3211	Kasar Pugal Abhisek	(Kasar)
5851	Patil Dipali Ramchandra	(Patil)	3203	Karabte KomalSudam	(Karabte)
5849	Patil Anuradha Anandras	(Patil)	3217	Patil Nikita Anil	(Patil)
5825	Dhanawade Snehal	Snehal	3213	Mane Aishwarya Sanjay	(Mane)
5661	Chavan Mayuri Sampal	(Chavan)	3222	Patil Shreya Sandip	(Patil)
5705	Patil Ujjwala Baburav	(Patil)	3233	Waghmare Lata Dattatray	(Waghmare)
5842	Mohite Vedanti D.	(Mohite)	3226	Mulla Sumaiyya Shant	(Mulla)
5844	Nalawade Vaishnavi	(Nalawade)	3231	Sutar Vaishav Anand	(Sutar)
5838	Mohite Amruta Manik	(Mohite)	3230	Shinde Swapnil Santosh	(Shinde)
5665	Gaikwad Anom Shant	(Gaikwad)	3235	Patil Suraj Balasahel	(Patil)
5840	Mohite Shital Vikas	(Mohite)	3238	Balalche Jagal Honanant	(Balalche)
5899	Ugare Tejaswini Santosh	(Ugare)	5695	Patil Kiran Anil	(Patil)
5701	Patil Smita Tanaji	(Patil)	5687	More Omkar Omkar	(More)
5704	Patil Swapnali Sanjay	(Patil)	5632	Nalawade Ruturaj	(Nalawade)
5712	Saravade Sonali B.	(Saravade)	5631	Nalawade Rahul	(Nalawade)
5917	Dipti L. Thorat	(Dipti)	5709	Ranikumbhe Shubham P.	(Ranikumbhe)
5834	Mane Pratibha Manik	(Mane)	5713	Savare Akash Mathell	(Savare)
5832	Mane Ankita Adikar	(Mane)	5820	Jadhav Pranit Shantaji	(Jadhav)
5822	Jadhav Sanali Baban	(Jadhav)	5670	Khosat Ruturaj Dipak	(Khosat)
5835	Mane Samruddhi M	(Mane)	5710	Sadakele Patog Anand	(Sadakele)
5852	Patil Divya Ajeun	(Patil)	5823	Ladage Suraj V.	(Ladage)
5632	Patil Peiyanka Balasa	(Patil)	5811	Gibhatkate Shantosh	(Gibhatkate)
5667	Gavade Gaurati Dadasa	(Gavade)	5539	Mohite Dilip N.	(Mohite)
5680	Mali Ashwini Chandrakant Amali	(Mali)	5847	Patil Aditya S.	(Patil)
5666	Gaikwad Rutva Vijay	(Gaikwad)			
5697	Patil Prajakta Dilip	(Patil)			

Signature of the Teacher