

Shri Sarda Education Society (Trust)'s

(A Linguistic Minority Education Institute)

NAAC Accredited "A" with CGPA 3.21

Smt.Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji

Department Of Botany

(Academic session 2022-2023)

NOTICE

Date- 11.09.2023

All the faculty members of the Botany department are informed that a departmental meeting concern to "Certificate Course" is arranged on 11/09/2022 at 4.00 pm at department. All of you are requested to present for the meeting with your innovative ideas regarding the course. The minutes of the meeting are as follows-

1. It was unanimously decided to start Certificate course for 30 Hours.
2. To decide the topic and syllabus for Certificate course.
3. To frame the Time table.
4. Students would be taken to field visit, during the course for practical knowledge.
5. Examination will be conducted after completion of the course.
6. Certificates allowed to successful students.

Radhabai

Course Co-ordinator

Department of Botany

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Smt.Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji

Department Of Botany

(Academic session 2022-2023)

To,

The Principal,

Smt.Radhabai Sarda Arts, Commerce &

Science College, Anjangaon Surji.

Subject :- Regarding the permission for conducting Certificate course entitled **"Techniques in Plant identification"** for the session 2022-2023.

Respected Sir,

With reference to above subject, we request you to kindly grant us permission for conducting Certificate course entitled **"Techniques in Plant identification"** for the session 2022-2023 in department of Botany. The duration of the course will be 30 hours (2 hours x 15 working days). The syllabus of the Certificate course is enclosed herewith for your consideration.

The course will helpful to our students development towards awareness of Plant identification, nomenclature, classification and description along with importance of their existence to maintain pleasant health, environment and financial assistance to society.

Date-

Place- Anjangaon Surji

G. Lakshmi
Course Coordinator

Department of Botany

Enclosure-

1.Syllabus of Certificate course

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Smt.Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji

Department Of Botany

Certificate Course in "Techniques in Plant identification"

(Academic session 2022-2023)

SYLLABUS

UNIT I- Introduction to plant identification-

The importance of plant identification in biodiversity, ecology and conservation.*Overview of plant taxonomy:-Families, genera ,species. *Basic botanical terminology (leaf shape, venation, flower structure etc.) Introduction to plant classification and identification keys. Tools for plant identification (field guides, apps and digital databases.)

UNIT II- Key for Morphological features for plant identification

Study of vegetative structure (Roots, stems and leaves). Flower structure (Petals, sepals, stamens and pistil). Fruit and seed characteristics. Leaf arrangement, size, shape, margin and venation. Flowering patterns, inflorescence types. The role of plant morphology in species identification.

UNIT III- Plant Taxonomy and Classification-

Classification systems(Artificial, natural and phylogenetic) (kingdom, class, order, family, genus and species). Plant dichotomus keys for plant identification. Overview the major plant families (eg.Asteraceae, Fabaceae and Euphorbiaceae Lamiaceae). Difference between monocots and dicots. Practical exercise in classification.

UNIT IV-Field Techniques and practical identification-

Observe and document plants in the field (field notes, photos).Sampling techniques (Random sampling and quadrats). Plant identification apps (eg. PlantNet, iNaturalist). Fieldwork: identifying plants in the local environment. Field trips and practical exercises in plant identification.

UNIT V- Introduction to herbarium collections and their importance in plant identification. Plant specimen collection : Techniques for collecting, pressing and preserving plants. Digital herbariums and databases.

UNIT VI-Application of plant identification :Role of plant identification in ecological studies and environmental conservation. Identification of medicinal, edible and toxic plants. Plant identification for agriculture, floriculture and forestry.

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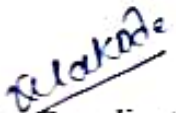
Department Of Botany

(Academic session 2022-2023)

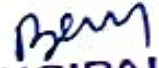
NOTICE

Date- 11.09.2023

All the students pursuing degree in Science are hereby informed that the Department of Botany is going to conduct Certificate course in "Techniques in Plant identification" from 01/10/2023 to 05/11/2023. Students who want to register for the course should contact Shri. K.U.Makode, Assistant Professor in Botany On and before 25/09/2023.


Course Coordinator

Department of Botany


PRINCIPAL
Smt. Radhabai Sarda
Arts, Commerce & Science College
Anjangaon Surji

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Smt.Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji

Department Of Botany

(Academic session 2022-2023)

SUMMARY

REPORT OF CERTIFICATE COURSE IN "TECHNIQUES IN PLANT IDENTIFICATION"

The Certificate course in "**Techniques in Plant identification**" has been undertaken by the department of Botany during the academic session 2023-24. The duration of the course was 30 hours (15 days). Total 25 students were enrolled for the course. All the students have successfully completed the course. The achievement of the course are as follows :

- 1.Students understanding the principles of plant classification, use of scientific nomenclature.
2. The ability to identify plants based on morphology.
3. Proficiency in using advanced tools such as phytochemical analysis, digital databases.
4. Recognizing the ecological roles of plants and environmental factors.
5. Practical skills in collecting, preserving and storing plant specimens as well as using Microscopes, Dissecting microscope and Herbarium.
- 6.Understanding the importance of plant identification in conservation efforts and maintenance of biodiversity.

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Department Of Botany

(Academic session 2022-2023)

Programme Outcome of a Certificate course in "Techniques in Plant identification"

- To provide a knowledge about the principles of plant classification and use of scientific nomenclature.
- To provide a Proficiency in using advanced tools such as phytochemical analysis, digital databases.
- To provide a The ability to identify plants based on morphology.
- To provide a Practical skills in collecting, preserving and storing plant specimens as well as using Microscopes, Dissecting microscope and Herbarium.
- To Recognizing the ecological roles of plants and environmental factors.
- To Understanding the importance of plant identification in conservation efforts and maintenance of biodiversity.
- Apart from the above, the above course can also provide employment in Plant Taxonomy, and status of plant species in a nature.

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Department Of Botany

(Academic session 2023-2024)

LIST OF ENROLLED STUDENTS

SN	NAME OF STUDENTS	CLASS
1	Saba Saher Mohammad Sabir	B.Sc II
2	Saniya AnjumShakeel Khan Pathan	B.Sc II
3	Tanzeela Khanam Mahboob Khan	B.Sc II
4	Aayesha Siddiqua Irshad Ahmad	B.Sc II
5	Achal Kapil Damare	B.Sc II
6	Gayatri Arunrao Murkute	B.Sc II
7	Nikita Premdas Uke	B.Sc II
8	Harshada Haridas Makode	B.Sc II
9	Gayatri Dilip Khorode	B.Sc II
10	Snehal Sudhakar Masurkar	B.Sc II
11	Pranali Ravindra Chopkar	B.Sc II
12	Snehal Rameshrao Umbarkar	B.Sc II
13	Shrihari Milind Maldhure	B.Sc II
14	Aliya Firdous Kareem Shah	B.Sc II
15	Pratiksha Bajarang Dalu	B.Sc II
16	Mahreen Khanam Warees Khan	B.Sc II
17	Chetan Pramod Damdhar	B.Sc II
18	Aliya Afreen Mohammad Nasir	B.Sc II
19	Prachi Sudhakar Thorat	B.Sc II
20	Vaishnavi Ashok Adhau	B.Sc II
21	Roshan Dilip Thorat	B.Sc II
22	Sakshi Rajendra Khade	B.Sc II
23	Rumaisa Sadaf Shabbir Ahamad	B.Sc II
24	Kahekashan Anjum Syed Karamat Ali	B.Sc II
25	Rutuja Sanjay Bawane	B.Sc II
26	Pranjali Pramod Risodkar	B.Sc II

27	Tejaswini Bharat Rangire	B.Sc II
28	Swati Pravin Bochara	B.Sc II
29	Ayesha Firdaus Sayed Karamat Ali	B.Sc II
30	Sakshi Sunil Gaware	B.Sc II
31	Neha Mahadeo Khadse	B.Sc II
32	Rafiya Sultana Mohd. Shafique Khan	B.Sc II
33	Madiha Fatema Shaikh Mohmood	B.Sc II
34	Abrar Ahmad Khan Hifazatulla Khan	B.Sc II
35	Ab. Huzef Ab. Rauf	B.Sc II

Wakode
Course Coordinator

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Smt. Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji

Department Of Botany

(Academic session 2023-2024)

CERTIFICATE COURSE IN PLANT IDENTIFICATION

ATTENDANCE SHEET

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Alakodo
Course Coordinator

26	Pranjali Pramod Risodkar
27	Tejaswini Bharat Rangire
28	Swati Pravin Bochare
29	Ayesha Firdaus Sayed Karamat Ali
30	Sakshi Sunil Gaware
31	Neha Mahadeo Khadse
32	Rafiya Sultana Mohd Shafique Khan
33	MadihaFatema Shaikh Mohmood
34	Abrar Ahmad Khan Hifazatulila Khan
35	Ab. Huzef Ab. Rauf

Alain
Course Coordinator

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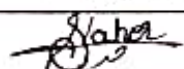
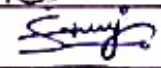
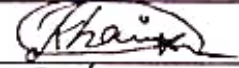
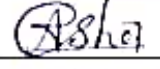
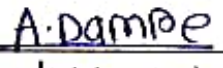
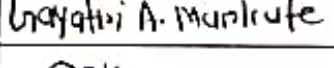
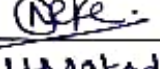
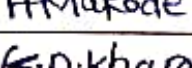
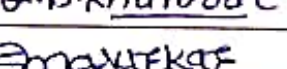
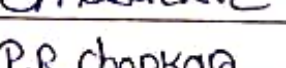
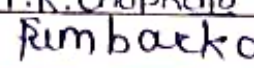
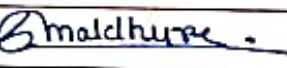
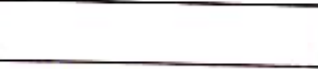
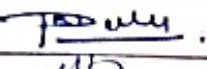
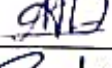
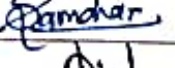
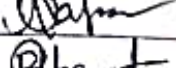
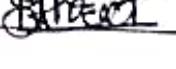
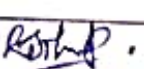
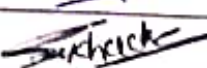
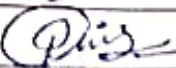
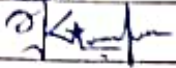
Smt. Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji

Department Of Botany

(Academic session 2023-2024)

CERTIFICATE COURSE IN PLANT IDENTIFICATION

EXAMINATION

SN	NAME OF STUDENT	CLASS	SIGNATURE
1	Saba Saher Mohammad Sabir	B.Sc II	
2	Saniya Anjum Shakeel Khan Pathan	B.Sc II	
3	Tanzeela Khanam Mahboob Khan	B.Sc II	
4	Aayesha Siddiqua Irshad Ahmad	B.Sc II	
5	Achal Kapil Damare	B.Sc II	
6	Gayatri Arunrao Murkute	B.Sc II	
7	Nikita Premdas Uke	B.Sc II	
8	Harshada Haridas Makode	B.Sc II	
9	Gayatri Dilip Khorode	B.Sc II	
10	Snehal Sudhakar Masurkar	B.Sc II	
11	Pranali Ravindra Chopkar	B.Sc II	
12	Snehal Ramesh Rao Umbarkar	B.Sc II	
13	Shrihari Milind Maldhure	B.Sc II	
14	Aliya Firdous Kareem Shah	B.Sc II	
15	Pratiksha Bajarang Dalu	B.Sc II	
16	Mahreen Khanam Warees Khan	B.Sc II	
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20	Vaishnavi Ashok Adhau	B.Sc II	
21	Roshan Dilip Thorat	B.Sc II	
22	Sakshi Rajendra Khade	B.Sc II	
23	Rumaisa Sadaf Shabbir Ahamad	B.Sc II	
24	Kahekashan Anjum Syed Karamat Ali	B.Sc II	

25	Rutuja Sanjay Bawane	B.Sc II	<i>Rutuja</i>
26	Pranjali Pramod Risodkar	B.Sc II	P. P. Risodkar
27	Tejaswini Bharat Rangire	B.Sc II	<i>Rangire</i>
28	Swati Pravin Bochara	B.Sc II	<i>Bochara</i>
29	Ayesha Firdaus SayedKaramat Ali	B.Sc II	<i>Ayesha</i>
30	Sakshi Sunil Gaware	B.Sc II	
31	NehaMahadeoKhadse	B.Sc II	
32	Rafiya Sultana MohdShafique Khan	B.Sc II	<i>Ru</i>
33	MadihaFatema Shaikh Mohmood	B.Sc II	
34	Abrar Ahmad Khan Hifazatulla Khan	B.Sc II	<i>Abrar</i>
35	Ab. HuzefAb.Rauf	B.Sc II	<i>Huzaf</i>

Walekade
Course Coordinator

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Smt. Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji

Department Of Botany

(Academic session 2023-2024)

CERTIFICATE COURSE IN PLANT IDENTIFICATION

EXAMINATION RESULT

SN	NAME OF STUDENT	CLASS	Result
1	Saba Saher Mohammad Sabir	B.Sc II	Pass
2	Saniya Anjum Shakeel Khan Pathan	B.Sc II	Pass
3	Tanzeela Khanam Mahboob Khan	B.Sc II	Pass
4	Aayesha Siddiqua Irshad Ahmad	B.Sc II	Pass
5	Achal Kapil Damare	B.Sc II	Pass
6	Gayatri Arunrao Murkute	B.Sc II	Pass
7	Nikita Premdas Uke	B.Sc II	Pass
8	Harshada Haridas Makode	B.Sc II	Pass
9	Gayatri Dilip Khorode	B.Sc II	Pass
10	Snehal Sudhakar Masurkar	B.Sc II	Pass
11	Pranali Ravindra Chopkar	B.Sc II	Pass
12	Snehal Ramesh Rao Umbarkar	B.Sc II	Pass
13	Shrihari Milind Maldhure	B.Sc II	Pass
14	Aliya Firdous Kareem Shah	B.Sc II	Fail
15	Pratiksha Bajarang Dalu	B.Sc II	Pass
16	Mahreen Khanam Warees Khan	B.Sc II	Pass
17	Chetan Pramod Damdhar	B.Sc II	Pass
18	Aliya Afreen Mohammad Nasir	B.Sc II	Pass
19	Prachi Sudhakar Thorat	B.Sc II	Pass
20	Vaishnavi Ashok Adhau	B.Sc II	Fail
21	Roshan Dilip Thorat	B.Sc II	Pass
22	Sakshi Rajendra Khade	B.Sc II	Pass
23	Rumaisa Sadaf Shabbir Ahamad	B.Sc II	Pass
24	Kahekashan Anjum Syed Karamat Ali	B.Sc II	Pass

25	Rutuja Sanjay Bawane		
26	Pranjali Pramod Risodkar	B.Sc II	Pass
27	Tejaswini Bharat Rangire	B.Sc II	Pass
28	Swati Pravin Bochare	B.Sc II	Pass
29	Ayesha Firdaus Sayed Karamat Ali	B.Sc II	Pass
30	Sakshi Sunil Gaware	B.Sc II	Pass
31	Neha Mahadeo Khadse	B.Sc II	Fail
32	Rafiya Sultana Mohd Shafique Khan	B.Sc II	Fail
33	Madiha Fatema Shaikh Mohmood	B.Sc II	Pass
34	Abrar Ahmad Khan Hifazatulla Khan	B.Sc II	Fail
35	Ab. Huzef Ab. Rauf	B.Sc II	Pass
		B.Sc II	Pass

Q. Akode
Course Coordinator



Shri Sarda Education Society (Trust)'s
Smt. Radhabai Sarda Arts, Commerce & Science College,
Anjangaon Surji, District- Amravati (Maharashtra)
NAAC Accredited 'A' with CGPA 3.21

Department of Botany

Certificate

This is to certify that Shri / Ku Shrihari Milind Maldhure Class B.Sc.II Semester III

has completed a Certificate Course entitled "Plant Identification" conducted by Departments of Botany

from 01/10/2023 to 05/11/2023 and ranked First.

K.U.Makode

K.U.Makode
Convener

Bashisth Choubey

Dr Bashisth Choubey
Principal