

**Shri Sarda Education Society's
(A Linguistic Minority Educational Institute)**



**Smt Radhabai Sarda Arts, Commerce & Science College
Anjangaon Surji, Dist - Amravati, Maharashtra
NAAC Accredited 'A' with CGPA 3.21**

Department of Botany

FIELD PROJECT/ SURVEY REPORT

**B.Sc.II SEM-IV
2023-2024**

**Head, Department of Botany
Dr Mangesh Dagawal**

Participated students in Filed project : B.Sc. II SEM-IV

Department of conducted field project on **Germplasm Collection of locally available crops/ plants** prescribed by S G B Amravati University Amravati for B.Sc. II students. Forty Six students participated in field project .

SN	TITLE OF PROJECT	CLASS	STUDENT NO
1	Germplasm Collection of locally available crops/ plants	B.Sc. II SEM-IV	46
	Total of B.Sc. II SEM-IV		46



Dr Mangesh Dagawal
Associate Professor & Head
Department of Botany
Smt Radhabai Sarda Arts, Commerce & Science College
Anjangaon Surji, Dist. Amravati (MS)



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

**SMT RADHABAI SARDA ARTS, COMMERCE AND
SCIENCE COLLEGE, ANJANGAON SURJI DIST
AMRAVATI**

DEPARTMENT OF BOTANY

**UNDER SKILL ENHANCEMENTMODULE
SUMMER 2024**

**PROJECT ON GERMPLASM COLLECTION OF
CROPS / PLANTS**

Submitted by – B.Sc. II (Sem-IV)

Guided by

Dr MJ Dagawal

Shri R L Kulkarni

KuVaishnaviBarabde

**SMT RADHABAI SARDA ARTS, COMMERCE AND SCIENCE COLLEGE,
ANJANGAON SURJI DIST AMRAVATI
DEPARTMENT OF BOTANY**

UNDER SKILL ENHANCEMENTMODULE - 2023-2024 SUMMER 2024

B.Sc-II SEM- IV (CBCS)

ACTIVITY- PROJECT ON GERMPLASM COLLECTION OF CROPS / PLANTS

Date :

PARTICIPANTS STUDENTS

SN	NAME OF STUDENT	NAME OF CROP/PLANT	SIGNATURE
1	Saba Saher Mohammad Sabir	Ramphal	<i>Saba</i>
2	Saniya AnjumShakeel Khan Pathan	Corn	<i>Saniya</i>
3	Tanzeela Khanam Mahboob Khan	Matki	<i>Tanzeela</i>
4	Aayesha Siddiqua Irshad Ahmad	Jawar	<i>Aayesha</i>
5	Achal Kapil Damare	Tur	<i>A. Damare</i>
6	Gayatri Arunrao Murkute	Papaya	<i>Gayatri A. Murkute</i>
7	Nikita Premdas Uke	Coriander	<i>Nikita</i>
8	Harshada Haridas Makode	Custurd apple	<i>H. Makode</i>
9	Gayatri Dilip Khorode	Shatavari	<i>G. D. Khorode</i>
10	Snehal Sudhakar Masurkar	Dhatura	<i>Snehal Masurkar</i>
11	Pranali Ravindra Chopkar	Ova	<i>P. R. Chopkar</i>
12	Snehal Rameshrao Umbarkar	lemon	<i>Snehal Umbarkar</i>
13	Shrihari Milind Maldhure	Ulad	<i>S. Maldhure</i>
14	Aliya Firdous Kareem Shah	Methi	<i>Aliya</i>
15	Pratiksha Bajarang Dalu	Chiku, Kadu badam, Neem, Pea Palas, Samudrashok	<i>Pratiksha</i>
16	Adnan Zahid Jamadar	Water melon	<i>Adnan</i>
17	Abrar Ahmad Khan Hifazatulla Khan	Onion	<i>Abrar</i>
18	Mahreen Khanam Warees Khan	Chana	<i>Mahreen</i>
19	Taufeeque Ali Ashique Ali	Sunflower	<i>Taufeeque</i>
20	Mohd Soheli Ab Kalim	Jamun	<i>Mohd Soheli</i>
21	Rafiya Sultana MohdShafique Khan	Peanut	<i>Rafiya</i>

Name & Signature of Teacher Incharge

22	Chetan Pramod Damdhar	Palak, Heta, Pangra, Sawari, Kuiiri, shepu, Ambadi, Lalbondi	<u>C.P.Damdhar</u>
23	Mohd Altamash Abdul Farooque	Babhul	
24	Aliya Afreen Mohammad Nasir	Wheat	<u>Aliya</u>
25	Prachi Sudhakar Thorat	Pumkin	<u>Prachi</u>
26	Vaishnavi Ashok Adhau	Chilli	
27	Roshan Dilip Thorat	Rajma	<u>Roshan</u>
28	Mahida Fatima Shaikh Mohmood	Til	<u>Mahida</u>
29	Sakshi Rajendra Khade	Cotton	<u>Sakshi</u>
30	Tauqueer Khan Jawed Khan	Masoor	<u>Tauqer</u>
31	Rumaisa Sadaf Shabbir Ahamad	Sonf	<u>Rumaisa</u>
32	Sadiya Khanam Zabiullah khan	Soyabean	<u>Sadiya</u>
33	Kahekashan Anjum Syed Karamat Ali	Shewaga	<u>Kahekashan</u>
34	Ab. Huzef Ab. Rauf	Karela	<u>Huzef</u>
35	Rutuja Sanjay Bawane	Tamarind, Val, Bel	<u>Rutuja</u>
36	PranjaliPramodRisodkar	Gokarn	<u>P.P. Risodkar</u>
37	Tejaswini Bharat Rangire	Chiku	<u>Tejaswini</u>
38	Swati PravinBochare	Jra	<u>Bochare</u>
39	MohdSufiyanMohdTalib	Bajra	<u>Sufiyan</u>
40	Ayesha Firdaus Sayed Karamat Ali	Papaya	<u>Ayesha</u>
41	Sakshi Sunil Gaware	Pippali	
42	Shrija Vilasrao Kadu	Lady finger	
43	Disha Shridhar Hiwase	Gunj	
44	Divya Divakar Ingle	Chavali	
45	Samiksha Dnyandev Pagrut	Moong	
46	Diya Prabhakar Bodale	Castor	



Name & Signature of Teacher Incharge

PROJECT ON GERMPLASM COLLECTION OF CROPS / PLANTS

REPORT

Now a days in cities of India the industrialization and civilization is increasing day by day which ultimately causing large no. of deforestation. On other hand in urban areas due to change in climate many people avoid farming but still who are doing it they prefer to use hybrid varieties and transgenic crop only. And this both conditions leads to extinction of various local varieties of crop and wild plant species which having lots of medicinal values.

So regarding this condition to create nature awareness among students Department of Botany has organized an activity called Germ plasm collection under the skill enhancement module.

Collection of Germ plasm usually include primitive land races and wild species related to particular crop and developed varieties. Germ plasm is use to develop new plant variety for food, feed, fiber and for forestry. Germ plasm collection is use to save genetic eroded species or species which subjected to extinction. It is also used to know more about crops and using this species in breeding program.

This activity is helpful for creating environmental awareness among students and connect them with nature. It also introduced students about properties and uses of various seeds.

The concept was cleared to the students in class and also a written notice was given to them by Department of Botany. Students of B.Sc. II were asked to submit seeds of fruits and crops from their locality. The seeds were collected in the month of March 2024. Seeds were kept in different jars with proper labelling. Near about fifty types of seeds were collected and kept in different jars.



**SMT RADHABAI SARDA ARTS, COMMERCE AND SCIENCE COLLEGE,
ANJANGAON SURJI DIST AMRAVATI**

DEPARTMENT OF BOTANY

UNDER SKILL ENHANCEMENTMODULE - 2023-2024 SUMMER 2024

B.Sc-II SEM- IV (CBC'S)

ACTIVITY- PROJECT ON GERMPLASM COLLECTION OF CROPS / PLANTS

Date :

PARTICIPANTS STUDENTS

SN	NAME OF STUDENT	NAME OF CROP/PLANT	GM.No.
1	Saba Saher Mohammad Sabir	Ramphal	67
2	Saniya AnjumShakeel Khan Pathan	Corn	68
3	Tanzeela Khanam Mahboob Khan	Matki	30
4	Aayesha Siddiqua Irshad Ahmad	Jawar	42
5	Achal Kapil Damare	Tur	23
6	Gayatri Arunrao Murkute	Papaya	11
7	Nikita Premdas Uke	Coriander	08
8	Harshada Haridas Makode	Custurd apple	13
9	Gayatri Dilip Khorode	Shatavari	53
10	Snehal Sudhakar Masurkar	Dhatura	21
11	Pranali Ravindra Chopkar	Ova	48
12	Snehal Rameshrao Umbarkar	lemon	19
13	Shrihari Milind Maldhure	Ulad	26
14	Aliya Firdous Kareem Shah	Methi	07
15	Pratiksha Bajarang Dalu	Chiku, Kadu badam, Neem, Pea Palas,Samudrashok	14,69,17, 28,47,56
16	Adnan Zahid Jamadar	Water melon	03
17	Abrar Ahmad Khan Hifazatulla Khan	Onion	02
18	Mahreen Khanam Warees Khan	Chana	24
19	Taufeeque Ali Ashique Ali	Sunflower	34

Name & Signature of Teacher Incharge

20	Mohd Soheli Ab Kalim	Jamun	44
21	Rafiya Sultana MohdShafique Khan	Peanut	35
22	Chetan Pramod Damdhar	Palak, Heta, Pangra, Sawari, Kuiri, shepu, Ambadi, Lalbondi	61,62,63, 64,65,66
23	Mohd Altamash Abdul Farooque	Babhul	45
24	Aliya Afreen Mohammad Nasir	Wheat	40
25	Prachi Sudhakar Thorat	Pumpkin	10
26	Vaishnavi Ashok Adhau	Chilli	05
27	Roshan Dilip Thorat	Rajma	29
28	Mahida Fatima Shaikh Mohmood	Til	39
29	Sakshi Rajendra Khade	Cotton	22
30	Tauqueer Khan Jawed Khan	Masoor	25
31	Rumaisa Sadaf Shabbir Ahamad	Sonf	50
32	Sadiya Khanam Zabiullah khan	Soyabean	33
33	Kahekashan Anjum Syed Karamat Ali	Shevga	18
34	Ab. Huzef Ab. Rauf	Karela	04
35	Rutuja Sanjay Bawane	Tamarind, Val	43,31
36	PranjaliPramodRisodkar	Gokarn	55
37	Tejaswini Bharat Rangire	Chiku	14
38	Swati PravinBochare	Jeera	49
39	MohdSufiyanMohdTalib	Bajra	41
40	Ayesha Firdaus Sayed Karamat Ali	Papaya	11
41	Sakshi Sunil Gaware	Pippali	15
42	ShrijaVilasrao Kadu	Lady finger	09
43	Disha Shridhar Hiwase	Gunj	20

Name & Signature of Teacher Incharge

44	Divya Divakar Ingle	Chavali	32
45	Samiksha Dnyandev Pagrut	Moong	27
46	Diya Prabhakar Bodale	Castor	37



Botanical Name – <i>Eleusine coracana</i> L. Local Name – Nachani Family -Poaceae Year of Submission – March,2024 GM No.- 1	Botanical Name – <i>Allium cepa</i> L. Local Name – Onion Family -Amryllidaceae Year of Submission – March,2024 GM No.- 2
Botanical Name – <i>Citrullus lanatus</i> Thunb. Local Name – Water melon Family -Cucurbitaceae Year of Submission – March,2024 GM No.- 3	Botanical Name – <i>Momordica charantia</i> L. Local Name – Bitter gourd Family -Cucurbitaceae Year of Submission – March,2024 GM No.- 4
Botanical Name – <i>Capsicum Annuum</i> L. Local Name – Chilli Family -Solanaceae Year of Submission – March,2024 GM No.- 5	Botanical Name – <i>Solanum lycopersicum</i> L. Local Name – Tomato Family -Solanaceae Year of Submission – March,2024 GM No.- 6
Botanical Name – <i>Trigonella foenum</i> L. Local Name – Methi Family - Fabaceae Year of Submission – March,2024 GM No. - 7	Botanical Name – <i>Coriandrum sativum</i> L. Local Name – Coriander Family -Apiaceae Year of Submission – March,2024 GM No.- 8
Botanical Name – <i>Abelmoschus esculantus</i> L. Local Name – Lady finger Family -Malvaceae Year of Submission – March,2024 GM No.- 9	Botanical Name – <i>Cucurbita pepo</i> L. Local Name – Pumpkin Family -Cucurbitaceae Year of Submission – March,2024 GM No.- 10
Botanical Name – <i>Carica papaya</i> L. Local Name – Papaya Family -Caricaceae Year of Submission – March,2024 GM No.- 11	Botanical Name – <i>Phyllanthus emblica</i> L. Local Name – Amla Family -Phyllanthaceae Year of Submission – March,2024 GM No.- 12
Botanical Name – <i>Annona reticulata</i> L. Local Name – Custard apple Family -Annonaceae Year of Submission – March,2024 GM No.- 13	Botanical Name – <i>Manilkara zapota</i> L. Local Name – Chiku Family -Sapotaceae Year of Submission – March,2024 GM No.- 14
Botanical Name – <i>Piper longum</i> L. Local Name – Pippali Family -Piperaceae Year of Submission – March,2024 GM No.- 15	Botanical Name – <i>Piper nigrum</i> L. Local Name – Black pepper Family -Piperaceae Year of Submission – March,2024 GM No.- 16
Botanical Name – <i>Azadirachta indica</i> A. Juss. Local Name – Neem Family -Maliaceae Year of Submission – March,2024 GM No.- 17	Botanical Name – <i>Moringa oleifera</i> Lam. Local Name – Shevga Family -Moringaceae Year of Submission – March,2024 GM No.- 18

Botanical Name – <i>Citrus limon</i> L. Local Name – Lemon Family -Rutaceae Year of Submission – March,2024 GM No. - 19	Botanical Name – <i>Abrus precatorius</i> L. Local Name – Gunj Family - Fabaceae Year of Submission – March,2024 GM No. - 20
Botanical Name – <i>Datura stramonium</i> L. Local Name – Dhatura Family -Solanaceae Year of Submission – March,2024 GM No. - 21	Botanical Name – <i>Gossypium herbaceum</i> L. Local Name – Cotton Family -Malvaceae Year of Submission – March,2024 GM No. - 22
Botanical Name – <i>Cajanus cajan</i> L. Local Name – Tur Family – Fabaceae Year of Submission – March,2024 GM No. - 23	Botanical Name – <i>Cicer arietinum</i> L. Local Name – Chana Family -Fabaceae Year of Submission – March,2024 GM No. - 24
Botanical Name – <i>Vicia lens</i> L. Local Name – Masoor Family - Fabaceae Year of Submission – March,2024 GM No. - 25	Botanical Name – <i>Vigna mungo</i> L. Local Name – Urad Family -Fabaceae Year of Submission – March,2024 GM No. - 26
Botanical Name – <i>Vigna radiate</i> L. Local Name – Moong Family -Fabaceae Year of Submission – March,2024 GM No. - 27	Botanical Name – <i>Pisum sativum</i> L. Local Name – Pea Family -Fabaceae Year of Submission – March,2024 GM No. - 28
Botanical Name – <i>Phaseolus vulgaris</i> L. Local Name – Rajma Family -Fabaceae Year of Submission – March,2024 GM No. - 29	Botanical Name – <i>Vigna aconitifolia</i> Jacq. Local Name – Matki Family -Fabaceae Year of Submission – March,2024 GM No. - 30
Botanical Name – <i>Lablab purpureus</i> L. Local Name – Val Family -Fabaceae Year of Submission – March,2024 GM No. - 31	Botanical Name – <i>Vigna unguiculata</i> L. Local Name – Chavali Family - Fabaceae Year of Submission – March,2024 GM No. - 32
Botanical Name – <i>Glycin max</i> L. Local Name – Soyabean Family - Fabaceae Year of Submission – March,2024 GM No. - 33	Botanical Name – <i>Helianthus annus</i> L. Local Name – Sunflower Family -Asteraceae Year of Submission – March,2024 GM No. - 34
Botanical Name – <i>Arachis hypogaea</i> L. Local Name – Peanut Family - Fabaceae Year of Submission – March,2024 GM No. - 35	Botanical Name – <i>Brassica juncea</i> L. Local Name – Mustard Family -Brassicaceae Year of Submission – March,2024 GM No. - 36

Botanical Name – <i>Ricinus communis</i> L. Local Name – Castor Family -Euphorbiaceae Year of Submission – March,2024 GM No.- 37	Botanical Name – <i>Carthamus tinctorius</i> L. Local Name – Kardi Family -Asteraceae Year of Submission – March,2024 GM No.- 38
Botanical Name – <i>Sesamum indicum</i> L. Local Name – Til Family -Pedaliaceae Year of Submission – March,2024 GM No.- 39	Botanical Name – <i>Triticum aestivum</i> L. Local Name – Wheat Family -Poaceae Year of Submission – March,2024 GM No.- 40
Botanical Name – <i>Pennisetum glaucum</i> L. Local Name – Bajara Family -Poaceae Year of Submission – March,2024 GM No.- 41	Botanical Name – <i>Sorghum bicolor</i> L. Local Name – Jwari Family -Poaceae Year of Submission – March,2024 GM No.- 42
Botanical Name – <i>Tamarindus indica</i> L. Local Name – Tamarind Family -Fabaceae Year of Submission – March,2024 GM No.- 43	Botanical Name – <i>Syzygium cumini</i> L. Local Name – Jamun Family -Myrtaceae Year of Submission – March,2024 GM No.- 44
Botanical Name – <i>Acacia nilotica</i> L. Local Name – Babhul Family -Fabaceae Year of Submission – March,2024 GM No.- 45	Botanical Name – <i>Buchanania lanzan</i> Spreng. Local Name – Charoli Family -Anacardiaceae Year of Submission – March,2024 GM No.- 46
Botanical Name – <i>Butea monosperma</i> Lam. Local Name – Palas Family -Fabaceae Year of Submission – March,2024 GM No.- 47	Botanical Name – <i>Trachyspermum ammi</i> L. Local Name – Ova Family -Apiaceae Year of Submission – March,2024 GM No.- 48
Botanical Name – <i>Cuminum cyminum</i> L. Local Name – Jeera Family -Apiaceae Year of Submission – March,2024 GM No.- 49	Botanical Name – <i>Foeniculum vulgare</i> Mill. Local Name – saunf Family -Apiaceae Year of Submission – March,2024 GM No.- 50
Botanical Name – <i>Ocimum sanctum</i> L. Local Name – Tulsi Family -Lamiaceae Year of Submission – March,2024 GM No.- 51	Botanical Name – <i>Sapindus mukorossi</i> Gaertn. Local Name – Reetha Family -Sapindaceae Year of Submission – March,2024 GM No.- 52
Botanical Name – <i>Asparagus racemosus</i> Willd. Local Name – Shatavari Family -Asperagaceae Year of Submission – March,2024 GM No.- 53	Botanical Name – <i>Andrographis paniculata</i> Burm.f. Local Name – Kalmegh Family -Acanthaceae Year of Submission – March,2024 GM No.- 54

Botanical Name – <i>Clitoria ternatea</i> L. Local Name – Gokarna Family -Fabaceae Year of Submission – March,2024 GM No.- 55	Botanical Name – <i>Argyreia nervosa</i> Burm.f. Local Name – Samudrashok Family -Convolvulaceae Year of Submission – March,2024 GM No.- 56
Botanical Name – <i>Ehretia laevis</i> L. Local Name – Khanduchakka Family -Boraginaceae Year of Submission – March,2024 GM No. - 57	Botanical Name – <i>Curcuma longa</i> L. Local Name – Turmeric Family -Zingiberaceae Year of Submission – March,2024 GM No.- 58
Botanical Name – <i>Anacyclus pyrethrum</i> L. Local Name – Akalkhadha Family -Asteraceae Year of Submission – March,2024 GM No.- 59	Botanical Name – <i>Terminalia chebula</i> Gaertn. Local Name – Hirda Family -Combretaceae Year of Submission – March,2024 GM No.- 60
Botanical Name – <i>Spinacia oleraceae</i> L. Local Name – Palak Family -Amaranthaceae Year of Submission – March,2024 GM No.- 61	Botanical Name – <i>Sesbania grandiflora</i> L. Local Name – Heta Family -Fabaceae Year of Submission – March,2024 GM No.- 62
Botanical Name – <i>Erythrina variegata</i> L. Local Name – Pangra Family – Fabaceae Year of Submission – March,2024 GM No.- 63	Botanical Name – <i>Mucuna pruriens</i> L. Local Name – Kuirī Family -Fabaceae Year of Submission – March,2024 GM No. - 64
Botanical Name – <i>Anethum graveolens</i> L. Local Name – Shepu Family -Apiaceae Year of Submission – March,2024 GM No.- 65	Botanical Name – <i>Hibiscus cannabinus</i> L. Local Name – Ambadi Family -Malvaceae Year of Submission – March,2024 GM No.- 66