

Department of Botany

Annual Report 2022-23

Eco-Friendly Rakhi

To celebrate the spirit of Raksha Bandhan, the Department of Botany, Shri Shivaji Science and Arts College Chikhli, organized an Eco-friendly Rakhi making competition in the college campus on 8th August 2022 under the supervision and guidance of Dr. O. S. Deshmukh (Convener) Principal of the College and Prof. Dr. Vanita U. Pochhi (Co-Convener) HOD, Botany & IQAC coordinator. The Convener along with the Members tied Rakhi on the tree and committed them to protect trees. The objective of this competition was to increase the awareness among the students and teaching fraternity to protect and safeguard the environment and avoid using non biodegradable resources. The theme of this competition was to make Eco-Friendly Rakhi using biodegradable materials such as cotton, leaves, paper, Seeds of plants etc. The event witnessed the full support and participation from students, faculty members, and nonteaching staff demonstrating their commitment towards environmental sustainability. All the students showcased their artistic skills to weave magic with colorful threads and ecofriendly materials. 14 students are participated in this event.

Out of that best three Rakhi selected by selection panel and them got First, Second & Third Cash Prize. First prize goes to Miss. Trupti Nikas (B.Sc. II), Second prize goes to Miss. Punam Solanki (B.Sc.III) and third prize goes to Miss. Srushti Shelke (B.Sc.III). The competition came to an end as students committed themselves on a positive note. There was an atmosphere of learning and growing together.

Herbarium Sheets Preparation

B.Sc. II year students perform the project of Herbarium. In these projects students collect the plant present locally and press and dried this plant for a week to remove water content present in it. After that they give chemical treatment to the plant for preventing of infection of fungi and other organism to plant specimens. They prepare Herbarium Sheet of appropriate size for mounting of plant. After the mounting of plant label to plant as per accepted classification

system and also mention the place of collection, name of collector and date of collection. 150 Herbarium sheet prepared by the students.

Seed Bank Preparation

B.Sc.I year students perform the project of collection of 102 plant seed samples from the district and prepared seed bank. In these projects students collect the plant seeds present locally and preserved in bottle containing Naphthalene ball for avoid decomposition.

Wild Vegetables Competition

The collection of wild vegetable plants is the main task of this practice. To collect the medicinal plants and their medicinal value, a wild vegetables competition by the Department of Botany was organized. It was open for all age groups with good knowledge of wild vegetables. As a result 31 students participated in the competition with their recipes of the wild vegetables. The contestants give detail information about the medicinal value of the plants also. After the examination of the plants and their recipes winners were declared. Winner participants were given E- certificates with cash prizes. To save and spread the traditional knowledge of wild vegetable, this competition was organized on 24th Sept 2022. Principal, Dr. O. S. Deshmukh Sir and Dr. V. U. Pochhi IQAC Coordinator and HOD, Botany guided for this activity. Dr. Mangesh Dagwal work as organizing Secretary as well as Prof. M. D. Kolte and Prof. D. L. Gavande work as organizing secretary for this activity. Miss. Pallavi Kharat guided to students about wild vegetables identification through PowerPoint presentation. Dr. G. G. Malte, Dr. S. I. Jukkalkar, Dr. R. B. Gade Prof. S. V. Dautpure, Miss. Y. T. Suradkar was present for this activity.

National Level Fungal Poster Competition

Shri Shivaji Education Society Amravati's, Shri Shivaji Science and Arts College, Chikhli Dist. Buldana, Department of Botany In collaboration with Shri Shivaji Science College, Amravati & Mycological Society of India organized the National Level Fungal Poster Competition on 26th September 2022 on the occasion of "World Fungus Day" and Celebrating of Fungal Awareness Week 26th

Sep to 2nd Oct 2022. The main objective of this event is to introduce fungi to the general public. The competition organized in virtual mode (online) for this competition we prepared registration cum submission Google form link. In this competition total 42 students participated/registered from various colleges, they prepared different types of fungal posters at their home with fungal scientific name and upload the picture or PDF of poster on given Google form link. We send e-certificate of participation for every registered student. The participants for this poster competition are from different universities.

All fungal posters are attractive but out of that we selected 3 fungal posters as a winner i.e. 1) Pooja Sanjay Dandge (Shri Shivaji Science and Arts College, Chikhli) 2) Shraddha Bhausaheb Thorat (New Arts, Commerce and Science College, Ahamdnagar) 3) Shivkanya Santosh Mhalsane (Shri Shivaji Science and Arts College, Chikhli).

For this event our principal Dr. O. S. Deshmukh Sir motivates us to organize such wonderful activity as well as our Head, Dr. V. U. Pochhi madam guide us to organize this activity on the occasion of World Fungus Day. Dr. D. B. Bobade chaired the program. Prof. D. L. Gavande and Prof. M. D. Kolte work as 3 organizing secretaries for this program. Prof. S. N. Mendhe and Dr. R. B. Gade work as a jury member for selection of winner.

Flower Arrangement Competition

Flower Arrangement Competition on the occasion of Birth Anniversary of Founder President of Shri Shivaji Education Society Amravati, Dr. Panjabrao Deshmukh 27/12/2022. In this competition Ku. Bhavana Sanjay Tunlight got 1st Prize, Ku. Kalyani Narayan Yeole got 2nd Prize, Ku. Vaishali S. Misal got 3rd Prize and Ku. Suvarna Bhaskar Bankar got Consolation Prize.

National Level Workshop on Indigenous Knowledge & Biodiversity Conservation

Shri Shivaji Education Society Amravati's, Shri Shivaji Science and Arts College, Chikhli Dist. Buldana, Department of Botany organizes National Level Workshop on Indigenous Knowledge & Biodiversity Conservation. This workshop was sponsored by Indian Science Congress Association, Amravati Chapter. In this

workshop total 90 students participated/registered from various colleges, For this event our principal Dr. O. S. Deshmukh Sir work as organizer and chairman of the workshop who motivates us to organize such wonderful activity as well as our Head, Dr.V.U.Pochhi madam work as convener, who guide us to organize this workshop. Dr. G. B. Santape inaugurates the program who is the convener of the ISCA, Amravati Chapter. Dr. J. A. Tidke and Dr. G. D. Muratkar was the resource person of this workshop. They delivered very informative & knowledgeable lecture on Indigenous Knowledge & Biodiversity Conservation. Dr. D. S. Talwankar Principal, Khamgaon chaired the program. Prof. M. D. Kolte work as Coordinator Prof. D. L. Gavande Work as organizing secretary for this program. Prof. S. N. Mendhe work as joint organizing secretary and Dr. R. B. Gade works as a Treasurer of the workshop. All the teaching staff of the college also present and make program more beautiful.

Drawing Competition

On the occasion of world wetland day 02 Feb 2023 Department of Botany organized Drawing Competition. In this competition Dr. S. M. Kalakhe work as jury member for the selection of Best 3 drawing. Dr. V. U. Pochhi Head Dept. of Botany give the information about Wetland to students. Mr. M. D. Kolte anchored the programme and Prof. Dilip Gavande Proposed Vote of thanks. Miss. A. P. Shelke worked as Technical Support. In this programme 30th students was participated. In this Competition Miss. Snehal Jadhao got 1st Prize , Miss. Swati Dhole got 2nd Prize and Miss. Shivani Pasarkar got 3rd Prize.

Essay Competition

On the occasion of National Sciences Day 28 Feb 2023 Essay Competition was organized. The theme of National Science Day was “Global Science for Global Wellbeing”. The 49 are students participated in this competition. The main idea behind the competition was the vision of Head, Dept. of Botany Dr. V. U. Pochhi to conserve nature and develop a complete knowledge about nature. Dr. O.S. Deshmukh principal and Convener gave introductory speech and Dr. V. U. Pochhi introduces the President of the programme. Mr. M. D. Kolte anchored the

programme and Prof. Dilip Gavande Proposed Vote of thanks. Miss. A. P. Shelke worked as Technical Support.

We selected 3 Essay as a winner i.e. 1) Waheeda Parveen Shaikh Faquria 2) Divya Sachin Nake 3) Gayatri Rameshwar Chikane

Eco-friendly Holi Colours Preparation Workshop

To create awareness among students and staff “Eco-friendly Holi Colours Preparation Workshop” was organized on 4th March 2023. Principal of our college Dr. O. S. Deshmukh inaugurates this workshop. The idea of this workshop was Head Dept. of Botany Dr. V. U. Pochhi. Natural colours were prepared from flowers of *Butea monosperma*, Leaves of Spinach, and Beet root. In this workshop 57 students participated and prepared Eco-friendly colours. Prof. M. D. Kolte and Prof. D. L Gavande guided to the students. For this workshop Dr. J. J. Jadhao, Dr. S. M. Kalakhe, Dr. R. B. Gade, Dr. G. T. Thorat, Miss. A. P. Shelke and Miss. P. G. Chavan also present.

Achievement:

- Mr. Mukund D. Kolte successfully participated in the 12th faculty induction programme organized by HRDC, Doctor Harisingh Gour Vishwavidyalaya, Sagar.
- Mr. Rangnath Thombare qualify the NET exam 2022.
- Miss. Shravani Jadhao participated in state level Avishkar Research convention 2023.
- Miss. Shravani Jadhao & Miss. Srushti Shelke got color coat in University level Avishkar Research convention 2023.
- Miss. Shravani Jadhao & Miss. Srushti Shelke got second prize in district level Avishkar Research convention 2022.
- Miss. Arti Raju Ingle got Third rank in intercollegiate drawing competition organized by J. D. Patil. Sangludkar College, Daryapur. Dist. Amravati.

Research Publication

- Dr. V. U. Pochhi, Dr. O. S. Deshmukh, Mr. M. D. Kolte & Mr. D. L. Gavande published a research paper entitled Phyto-Diversity of Campus, Shri Shivaji Science & Arts College, Chikhli. District Buldhana (M.S.) India in Shivaji Interdisciplinary Research Journal. ISBN No. 978-93-83587-52-0