

EXCURSION TOUR AT K. V. K., BADNERA AND FOREST GARDEN, MORSHI ON DATED 9TH MARCH 2017

The Department of Botany and Zoology of our college organized a study tour K.V.K., Durgapur (Badnera) and Forest Garden, Morshi on 9th March 2017 for B.Sc. II and III students.

Krishi Vidyan Kendra, Durgapur (Badnera) is the well known centre for advance agriculture activities and also frequency modulation (CFM) centre which is for the benefit of farmers in Vidarbha region and other state to solve various difficulties arise during the tenure of crop. During field visit the KVK Director Dr. K. A. Dhapke has provide us detailed information for the advance farming in Vidarbha region and other stated also. Under the supervision of Mr. P. S. Jayle, Subject Matter specialist organized visit to different location like of Radio Station, Dairy Farming, Solar Plant, Breeding Laboratories, Pathology and Soil Testing Laboratory and Vermicompost Unit. Soil testing laboratory in enriched by advance equipments which are needed for sampling and testing of the soil. Seed germination percentage will be also tested there.

We started for forest garden, Morshi at 1.00 pm. We visited the garden where RFO Mr. Ashok Kavitkar help us during the visit. They gives detailed information of Nakshatra Garden. They also show documentary film on “Biodiversity of Animals”, how to save and protect tiger. Then after we took lunch in forest garden and visited to Upper-Wardha Dam.

Outcome:

All the students enjoyed the tour. They aware about the Nakshatra Garden and the plants of their Zodiac Sign. The students decided to plants of their Zodiac Sign in the house premises.

Convener
Dr. R. A. Halwe



Vidya Bharti Shaikshanik Mandal, Amravati's
S. S. S. K. R. Innani Mahavidyalaya,
Karanja (Lad) Dist. Washim

DEPARTMENT OF BOTANY

Inaugural Function of Botanical Society 2018-19

CHAIR-PERSON

Dr. P. R. Rajput
Principal
S.S.S.K.R.Innani Mv, Karanja (Lad)

CHIEF-GUEST

Dr. A. U. Pachkhede
Former Prof. & Head
Dept of Botany, Brijlal Biyani
Science College Amravati

Miss. Anjali A. Bhagat
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Miss. Komal G. Bhiwarkar
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Miss. K.J. Syed
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Dr. J. P. Baxi
PG co-ordinator
Dept. of Botany
S. S. S. K. R. Innani Mv,
Karanja (Lad) Dist: Washim

Dr. D. R. Halwe
Head
Dept. of Botany
S. S. S. K. R. Innani Mv,
Karanja (Lad) Dist: Washim

Date: September 28th 2018

Time: 11:00 am

Venue: IDRL hall S. S. S. K. R. Innani Mv, Karanja (Lad)

EXCURSION TOUR AT SEMADOH AND CHIKHALDARA ON DATED 20TH SEPTEMBER 2018



Department of Botany has organized excursion tour for the students of M.Sc. I on 20th September 2018 for excursion we have selected Semadoh and Chikhaldara, which come under Melghat Tiger project, Dist Amravati.

We have started for Chikhaldara at 5:30 am by our college bus earlier all the students were asked together in the college. The incharge of excursion were Dr. D. R. Halwe, Dr. J. P. Baxi, Dr. A. N. Deore, Shri. V. N. Thombre, Shri. G. J. Mankar and Shri. P. V. Vaidya accompanied as other staff members.

We reach at Semadoh at 9:30 am where forest officer Shri. Deshmukh has extended necessary help. We have visited museum at Semadoh at 10:30 am. In museum animals like bison, Tiger sloth bear and other animal were present stuffed. Apart from animals we have a beautiful collection of medicinal plants along with their description and use. The museum also has miniatures of huts and their pattern of life style, created with the help of woodlocks, bamboo, grass etc. Different color photographs of tribes along with their traditional ornaments were exhibited on the walls. Stuffed bear was kept in the cave i.e. its nature habitat. After observing the museum we gave visit to nursery of medicinal plant where we have seen some rare medicinal plants like Bixa, Chlorophytum, Boriviana, Diospyros, Melanozylon (Temburni), Terminalia, Arjuna etc. We also visited river flowing along side where we have collected algal plants like crabs, dragonfly, various seasonal insects which were flying near water. It was realized by everybody that region is rich flora and fauna. The air was fresh and sweet as compared to polluted air of Karanja

At 1:30, We have started for chikhaldara and reached there by 3:00 pm, at Devi point. We took our lunch and went for site seeing. We have visited forest garden where hundreds of rose variety were seen, the garden contain many old giant trees of pinus, aurocoria, mango, rubber, phycus, cycus etc. and variety of ornamental plants. We have purchased some ornamentals and seedings of coffee plant for college botanical garden like silver oak, fern etc. Then we have visited museum collection of different rocks, animals, fossils were seen. At various places of chikhaldara we have collected lower plants and animals. Then we went to Hariken point, Pahchmahal, Bhimkund etc. and at 7:30 pm we started for Karanja. We reach Karanja at 12:30 am and then escorted every student to their respective homes.

Convener

Dr. R. A. Halwe

ACADEMIC TALK ON ANGIOSPERM TAXONOMY DATED 28/09/2018 BY DR. A. U. PACHKHEDE

Program:

The Department of Botany has decided to organize guest lecture under Botanical Society on September 28, 2018, Friday at 11.00 am in IDRL lab. For this function the department has invited eminent taxonomist Dr. A. U. Pachkhede, as a chief guest. The department has also invited Dr. D. R. Halwe, Head, Department of Botany and Dr. A. N. Deore as chief guests. The program started as per schedule and was anchored by Miss. Jagruti Ingole and Miss. Radhika Pedawal.

Report:

The topic of guest lecture was “Organized of Bryophytic Thallus and Reproduction”. During his lecture Dr. Pachkhede opened before us the magnificent world of Bryophytes, their habitat, habit, thallus organization, reproduction and how they had concurred land. After lecture, there was discussion on various aspects of Bryophytes. Students participated in the session of discussion during which he certified various stories of students. He also talked about the pattern of usually asked question in the examination and also advised the students as how to prepare for the University Examination.

After the guest lecture, the department of botany successfully organized the another guest lecture on October 17, 2018 Wednesday. The lecture was delivered on “Molecular Biology” at 11.00am by young and enthusiastic botanist Dr. Prashant Gawande, Assistant Professor of Department of Botany SGBAU.

Dr. D. R. Halwe attended the program as a guest of honor, Dr. J. P. Baxi, P. G. Coordinator as a chairman of the program and Miss. Mayuri Hande as the chief guest of the program. The program started as per schedule. Miss. Jagruti Ingole took responsibility as an anchor of the programme.

Dr. Gawande has thrown light on the importance, significance of Molecular Biology in the curriculum and also its importance in the day to day life and its importance in research.

He highlighted the importance of molecular biology in our syllabus and how important the topic is for the examinations. Then he satisfied all the queries and doubts of students regarding lecture and the examination pattern that will actually help students in the university examinations.

After that Miss. Vaishnavi Jagtap delivered vote of thanks on behalf of the department of botany and this is how the program was conducted successfully with the knowledge of lifetime.

Outcome:

The program enables students to gain an idea about the vast world of Botanical Science and its significance in various aspects in society. It will also guide us on how prepare for university examination.

Dr. J. P. Baxi

In charge

P. G. Department of Botany.

THE WILD LIFE WEEK DATED ON 1 OCT. TO 7 OCT. 2018



Report on “The Wild Life Week”.

1st October to 7th October 2018 celebrated as “Wild Life Week” Jointly by forest department and S. S. S. K. R. Innani Mahavidyalaya Karanja (Lad). On 7th October 2018, 97 students of B.Sc. II (Environment studies) visited to “Karanja-Sohal Black-buck sanctuary” at Girda bandi which is 7km away from Karanja (Lad) towards Manora, close to Adan river. This is best grassland of the Washim district. On this occasion Dr. D. R. Halwe vice-principal and head of department of Botany, Mr. R. A. Dongare R.F.O., Karanja (Lad), Dr. A. N. Deore department of Botany, Mr. Vishal Halge forester and staff of forest department were present for this program.

Aim and Objectives :

- To create interest among the students about the subject Environmental studies.
- To aware the students about the wild life protection act 1972.
- To make them aware about the local biodiversity and role of animals and plants in the life of individual.
- To observe wild animals like Nilgai, Black-buck, Peacock, Spotted Deer, Wild Boar, Rabbit etc.
- To observe palatable and non-palatable species of grasses.
- To observe biodiversity of the Karanja-Sohal black-buck sanctuary.
- To make them aware about the food chain in grassland ecosystem.

Outcomes :

- Students are aware about the wild animals and domestic animals.
- Poaching, keeping in cage, transportation and selling of wild animals is strictly prohibited.

- For the plant collection permission of Biodiversity board is essential.
- Students are aware about type of forest and permission of forest department is necessary for entrance in reserved forest.
- Students are aware about local medicinal and rare plant species.
- Students are aware about the food habit of wild animals for e.g. snakes eaten by peacock.

Dr. D. R. Halwe
Head, Department of Botany

SEMINAR ACTIVITY ON DATED 7 JAN-11 MARCH 2019

Aim: To enhance teaching skills and analytical ability of students.

Report: As per this syllabus of M.Sc. I (Sem. II) of Sant Gadge Baba Amravati University, Amravati, and every post graduate student has to delivered 4 seminar in each semester. This activity is compulsory and on the basis of the performance in seminar the students are assigned internal marks.

To initiate the activity of seminar the department of Botany has distributed the topic of seminar among the students. A detailed list of the seminar along with the time table was prepared and displayed on the notice board of the department. It was decided that the seminar will be held on Monday and Tuesday from 2:30pm-5:30pm. Every student was assigned 10 minutes for presentation and 5 minutes for discussion on the topic. The students were offered the facility of ICT (LCD Projector). Every student has prepared a detailed script of the seminar in power point presentation. At the end of the seminar every student has submitted a hard copy of the seminar and soft copy of the presentation. These seminars were supervised by Mr. V. N. Khadse, Miss. S. A. Pihulkar, and Miss. P. S. Gaund.

Out comes:

The main objective of assigning seminars to students is to improve their communication skills, so after delivery of seminars it is expected that the stage daring and communication of students is improved.

Following is the list of seminar delivered by the students on the various dates:

Dr. J. P. Baxi

In charge

P. G. Department of Botany.

ACADEMIC TALK ON CARBOHYDRATE AND LIPID METABOLISM ON DATED 19/01/2019 TO 20/01/2019 BY: DR. VYAVHARE



Aim:-

To organized guest lecture of eminent plant physiologist Dr. Vyavhare on **Carbohydrate Metabolism.**

Report:-

A guest lecture on Carbohydrates Metabolism organized in the P. G. Department of Botany on 19th Jan-2019 and 20th Jan-2019. The guest lecture was delivered by Dr. Vyavhare, Associate Professor, department of Botany, Brijalal Biyani Science College Amravati. During his lecture he covered various aspects of carbohydrate metabolism like biosynthesis of starch and sugars, catabolic pathway, interaction between hexon, pentose, phosphates and triose phosphate pool in lucid manner. All 20 students of M.Sc. I Botany were present for the lecture. The guest lecture was presided over by hon'ble Dr. D. R. Halwe, Head of the department of Botany and was accompanied by professor V. N. Khadse, the introduction of guest and vote of thanks was proposed by Dr. D. R. Halwe while the anchoring was done by Miss. J. B. Ingole.

All the students have requested the head of organized such guest lectures which proved to be highly beneficial for the students.

Outcomes:-

Dr. Vyavhare is eminent faculty member of department of Botany Brijalal Biyani Science College and used to delived guest lecture in P. G. department of Botany SGBAU etc. his expert is on Carbohydrates Metabolism immensely increase the interest of M.Sc. students in Metabolic Pathway.S

Dr. J. P. Baxi

In charge

P. G. Department of Botany.

ACADEMIC TALK ON BIOSTATISTICS DATED ON 3rd FEBRUARY & 17th FEBRUARY 2019 BY: MISS. M. V. ALSI



Aim: To organized guest lecture of Miss. M. V. Alsi on Biostatistics.

Report:

A guest lecture on Biostatistics organized in the P.G. department of Botany and Zoology.. On 3rd & 17th February 2019 the guest lecture was delivered by Miss. M. V. Alsi Associate Professor, Institute of Science, Nagpur. During her lecture he covered various aspects of Biostatistics i.e. Mean, Mode, Central tendency, standard deviation, variance, covariance, correlation, regression, sampling, chi-square test and its significance, in lucid manner. All 40 students of M.Sc. I Botany and M.Sc. II Zoology were present for the lecture. All of them have expressed satisfaction regarding the lecture delivered by Miss. M. V. Alsi.

The guest lecture was presided over by hon'ble Dr. D. R. Halwe, Head, Department of Botany and Dr. R. A. Gulhane Head, Department of Zoology and was accompied by P. G. Incharge of Department of Zoology Dr. Kumar Sir and professor Miss. Dahatonde, Mr. Yelne, Mr. Khadse, Miss. Hande. The program was conducted by Miss. Snehal Bihade and vote of thanks was done by Miss. Jagruti Ingole.

All the students have request the head to organized such guest lecture which proved to be highly beneficial for the students.

Outcome:

Miss. M. V. Alsi is emient faculty member of Institute of Science and used to delivered guest lecture in P. G. Department of Botany SGBAU. Her expertise on Biostatistics immensely increases the interest of M.Sc. students in Biostatistics.

Dr. J. P. Baxi

In charge

P. G. Department of Botany.

**ACADEMIC TALK ON “POLYPLOIDY AND CROP IMPROVEMENT”
ON DATED 17/03/2019 BY: DR. S. S. ROKADE**



Report:

A guest lecture on “Polyploidy and Crop Improvement”. Organized by the P.G. Department of Botany on **17th March, 2019**. The guest lecture was delivered by Dr. S. S. Rokade, Assistant professor and Head of the department Botany, Late Pundalikrao Gawali Arts and Science Mahavidyalaya, Shirpur Jain. During his lecture he covered various aspect of Polyploidy like, Breeding of Polyploids, Heterosis and Inbreeding depression, Methods of breeding in self pollinated and cross pollinated crops, Genetic variability and Male sterility in plant breeding in a lucid manner. All 16 students of M.Sc. I Botany were present for the lecture. All of them have expressed satisfaction regarding the lecture delivered by Dr. S. S. Rokade.

The guest lecture was presided over by Dr. D. R. Halwe, vice principle and Head of the department of Botany and was accompanied by professor P. B. Ingle and anchoring was done by miss P. G. Gote while vote of thanks was done by Miss. K. A. Rokade.

All the students have requested to the head organized such guest lectures. Which proved to be highly beneficial for the students?

Outcome:

Dr. S. S. Rokade is eminent faculty member of Department of Botany, Assistant professor and Head of Department of Botany, Late Pundalikrao Gawali Arts and Science Mahavidyalaya, Shirpur [Jain], deliver a very nice lecture on Polyploidy which benefits, to students and they were aware about the fruits and vegetable available in markets and decided to take such a healthy food regularly, because of the present of rich nutritional value in them.

Dr. J. P. Baxi

In charge

P. G. Department of Botany.

INAUGURAL FUNCTION OF BOTANICAL SOCIETY ON DATED 26-09-2019



A Report

Aim of establishing the Botanical Society –

The department has decided to establish “**BOTANICAL SOCIETY – 2019**” which will prove an important platform for the students of M.Sc. botany showcase their talents in academic and administrative work.

Program report –

The department of botany has decided to organize inaugural function of botanical society on 26-9-2019 (Thursday) at 10 am. in IDRL, for this function the department has invited eminent taxonomist Dr. A. U. Pachkhede Sir, Professor and Ex. Head Department of Botany , Brijlal Biyani Science College, Amravati as a Chief Guest. The department has also invited Dr. P. R. Rajput Sir as a Guest of honour, Dr. P. J. Baxi Sir as Chair person Dr. D. R. Halwe Sir and Dr. A. N. Deore Sir Chief Guests. The program started as per the schedule and was anchored by, Miss. J. B. Ingole and Miss. P. G. Gote. The introductory speech was anchored by, Miss. N. S. Kalekar, President of Botanical Society who has declared the programs to be conducted under the umbrella of Botanical Society. She disclosed before the guest and the students plan of hosting various competitions related to botanical society, organization of workshop and guest lectures by eminent botanist. After the introductory speech Dr. A. U. Pachkhede Sir inaugurated the botanical Society and declared the names of office bearer. Dr. D. R. Halwe Sir in his modest speech has elegantly introduced the Chief Guest Dr. A. U. Pachkhede Sir and expressed his satisfaction over the organization of the program and advised the committee members to organize various program under the botanical Society. Dr. J. P. Baxi Sir Chair Person of the function extended greetings to the students for organizing such a elegant program. He expressed satisfaction and hope that the students will organize various program under Botanical Society. Total **32** students were present for this program.

Miss. M. A. Upadhye proposed Vote of Thanks. After a break of 20 minutes a Guest lecture of Dr. A. U. Pachakhede Sir was organized on “**International Code of Botanical Nomenclature (ICBN) in Taxonomy of Angiosperm**”. During these lecture the opened before us the magnificent world of Taxonomy. After the lecture there was discussion on various aspects of Taxonomy, The student have actively participated in session of discussion during which clarified various queries of the students, he also talked about the pattern of usually asked questions in the examination and also advised the students as how to prepare for the university examination.

Outcome –

This program enabled the students to gain idea about the world of Taxonomy and also the advice on how to prepare for the University Examination.

Miss. Nikita S. Kalekar
President, Botanical Society

Dr. D. R. Halwe
Head

Dr. J. P. Baxi
Coordinator

ONE DAY EXCURSION TOUR FOREST GARDEN ON DATED 28TH SEPTEMBER 2019

A Report

Aim to Organizing Tour: To provide an opportunity to students to acquire plant knowledge through exploration and observation objective has been taken.

Report: We the students of M.Sc. IInd year (Sem. IIIrd) Botany organized an educational tour to Karanja forest garden under the guidance of Dr. A. N. Deore sir (Ass .Prof). We were total 14th students with our prof. We are gathered at 11am near the forest garden Karanja (lad), then we started to collect and identify the different species from different habitat.

We took break for refreshment at 12.30 pm. Then we again started the identification of plants and families. We visited the lake and lots of fun with our friends. We enjoy the short tour in Karanja forest garden. We collect the plant species from forest area. We collected *Cassia tora*, *Cassia uniflora*, *Euphorbia hirta* etc.

Outcome: This tour provided us most important information regarding plants and their habits. Many students curiosouly discussed about plants and their uses. This tour was immensely useful for us to understand the plants. We also found rare plant species also observed some families.

Convener
Dr. R. A. Halwe