



## **SWAMI VIVEKANAND SENIOR COLLEGE, MANTHA**

**2.3.1: Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences**

**Swami Vivekanand Senior College, Mantha**

**GROUP DISCUSSION**


**Date: 01.09.2018**

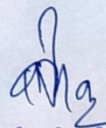
**Under the Guidance**

**of**

**Dr. R.A. Udhan, Dr. S.S. Waghmare, Dr. T.B. Dhondge,**

**Dr. R.S. Gaikwad, Dr. J.T. Jagtap and Dr. R.B. Kakde**



  
**Principal**  
**Swami Vivekanand Sr. College**  
**MANTHA, Dist. Jalna,**

**Group discussion topic: Toda: Science Boon or Curse**



Students involved in group discussion



Shubham Ubale putting his view about science



Dilip Rathod giving his opinion about Science



Teaching staff involved in group discussion

Dilip Rathod giving his opinion about Science

**Rangoli Competition on the Occasion of Birth Anniversary of Chattrapati Shivaji Maharaj**

**Date: 19.02.2019**



रंगोली स्पर्धेत सहभागी विद्यार्थिनी

Students are drawing Rangoli



सुकन्या कुलकर्णी हिला रांगोळी स्पर्धेत द्वितीय पारितोषिक (रु ५००) मिळाले

Sukanya Kulkarni Won Second Prize in Rangoli Competition

**Elocution Competition to inculcate stage courage among the students**



शुभम उबाळे शिवरायांचे विचार व कार्य मांडताना



अजमतअली सय्यद शिवरायांचे विचार व कार्य मांडताना

Shubham Ubale (BA II) and Ajmat Ali (B.Sc. II) participated in competition

Raj Botany  
Samsung Quad Camera



दगड घुगे शबिरायांचे वचिर व कार्य मांडताना



पावन झोल शबिरायांचे वचिर व कार्य मांडताना

Dagadu Ghuge (B.Sc. II) and Pavan Zol (B.Sc. III) participated in competition



शुभम उबाळ व अरशयि शेख ह्यांना तृतीय पारितोषक (प्रत्येकी ₹ ३००) मजि

Prizes are given to elocution winner

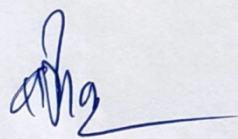
**Swami Vivekanand Senior College, Mantha**  
**DEPARTMENT OF BOTANY**

**Organize**

**STUDENT'S SEMINAR**

**Date: 12.10.2018**



  
**Principal**  
**Swami Vivekanand Sr. College**  
**MANTHA, Dist. Jalna,**



Shubhangi Ambhore giving seminar on Algae



Varsha Ghanvat giving seminar on Algae



Ashwini Kshirsagar giving seminar on Algae



Pooja Kharat giving seminar on Algae



Priyanka Gore giving seminar on Algae



Dagadu Ghuge giving seminar on Algae



MARTHWADA SARVODAYA SHIKSHAN PRASARAK MANDAL'S, PARTUR

## **Swami Vivekanand Senior College, Mantha**

TQ-MANTHA 431504 DIST-JALNA (M.S.) India

### **Department of Botany**

**Organize**

**Guest Lecture of**

**Dr. S.A. Survase**

**Department of Botany, L.B.S. College, Partur, Dist. Jalna**

**On Topic**

**Identification of Plants and their classification**

**D: 30.08. 2018**



**Principal**

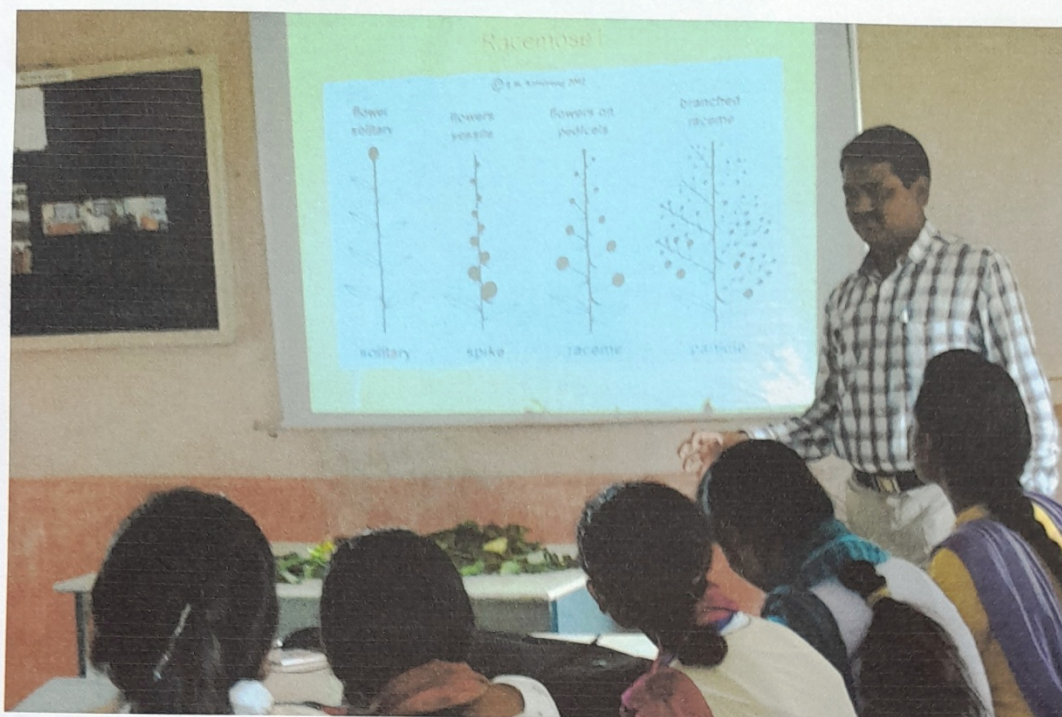
**Swami Vivekanand Sr. College  
MANTHA, Dist. Jalna,**



Dr. S.A. Survase introducing plant taxonomy to the students



Dr. S.A. Survase preparing for power point presentation



Dr. S.A. Survase explaining about inflorescence



Dr. S.A. Survase enlightening the importance of inflorescence in family identification



MARTHWADA SARVODAYA SHIKSHAN PRASARAK MANDAL'S, PARTUR  
**Swami Vivekanand Senior College, Mantha**  
TQ-MANTHA 431504 DIST-JALNA (M.S.) India

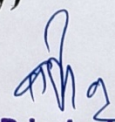
VISIT TO  
**KALASH AND BEJO SHEETAL  
INTERNATIONAL SEED COMPANY, JALNA**

(Academic Year 2018-2019)



**DATE: 21 January 2019 (Monday)**



  
**Principal**  
**Swami Vivekanand Sr. College**  
**MANTHA, Dist. Jalna,**

## EXCURSION REPORT



Educational tour of Botany has been commenced on 21<sup>st</sup> January 2019 to Kalash and Bejo Sheetal International Seed Company, Jalna. Journey of 21 students was started at 10:00 am from Swami Vivekanand Senior College, Mantha. Kalash Bejo Sheetal is dedicated for developing and supplying quality vegetable seeds for the farmers of India and SAARC countries using its excellence in vegetable breeding. Having strong research activities in various regions of India with the inputs of expert team developed more than 700 research hybrids of vegetables. Bejo Sheetal Seeds Committed to develop the products to meet farmer's expectations. **Bejo Sheetal** is keen and aware about social responsibility, in order to develop expert human resource in the field of seed supply value chain and Agriculture biotechnology research established "**Bejo Sheetal Bioscience Foundation**". Main mandate is to conduct International training courses for developing expert human resource to serve respective Nations of developing and developed countries

Kalash Bejo Sheetal Seeds Pvt. Ltd is a joint venture with Bejo Zaden b.v., Holland. Company have excellent breeding programmes in tropical vegetable crops like Tomato, Hot Pepper, Eggplant, Sweet Pepper, Short Day Onion, Okra, Bottle Gourd, Bitter Gourd, Ridge Gourd, Pumpkin, Cucumber, and TPS (True Potato Seeds). Company have seeds market in India and the SAARC countries and Bejo Zaden b.v., Holland. Kalash Bejo Sheetal is the first company to develop and commercialize short day F1 Hybrid Onion in India and already achieved number one position in chili pepper seed sales having good market share in India. True potato seeds and potato breeding is another innovative activity where Bejo Sheetal achieved mastery in production of True Potato Seeds. True potato seeds production facilities have spread over 6 ha area at Jalna, Maharashtra and expert team is engaged in high quality true potato seeds production. Business extended in all over Asia and African countries. With the success in vegetable seed business, Bejo Sheetal extended its business and established 100% own company in Bangladesh "Bejo Sheetal Seeds (Bangladesh) Ltd.", Joint Venture Company in China, Joint Venture company with West Bengal Government "West Bengal Hybrid Seeds & Biotech Pvt. Ltd."

Dr. Nandkumar Kunchge (HOD, Biotechnology, Bejo Sheetal) gave us warm welcome as soon as we reached to company. He introduced us with his team. Students have got information about thirty different varieties of chilli with respect to shapes and colours. They enlightened with plant breeding technique from which varieties are developed. Further students were also learned about tissue culture technology. They have been well acquainted about different plant pathogens like fungi, bacteria, viruses and insects. They got to see pure culture of fungi, seed germination technique for the sorting of pure seeds, life cycle of different insects and disease symptoms developed on fruits and leaves. Students also enjoyed the feast of knowledge about recombinant DNA technology, PCR, DNA fingerprinting, isolation of gene of interest and finally insertation of foreign gene into plant. Nursery breeder and plant physiologist explained in nutrient uptake by plant in a very nice and lucid language. Later on students have visited crop field of ash guard, ridge guard, muskmelon, watermelon, cabbage, chilli, tomato, cauliflower, onion, parsely and brocholi. Variety wise description of crop is given in table as follows:

Sr. no.	Crop	Variety
1.	Ash ground	Shourya fl, Vijaya fl
2.	Brocholi	Fiesta, Lucky
3.	Brinjal	Bss793, Rajat F1, Vikram F1, New F1, Ashna F1, Janak F1
4.	Bitter ground	Shubhra fl, New fl
5.	Bottle ground	Pratik F1, New F1, Kiran F1, Kundal F1
6.	Beet root	Aliza-KSP343
7.	Cabbage	Veer333, Ranajha
8.	Chilli	Kalika F1, Lekha F1, Kaliraj F1, New F1
9.	Cauliflower	Amazing, Deepa
10.	Cabbage	Veer 333, Ranjha, NS 43
11.	Carrot	Robert, Super curoda
12.	Coriander	Caribe
13.	Cotton	Ajab, Wazir, Gajab



14.	Lettuce	Aditri, Ryder
15.	Mustard	Ramya, Black wonder
16.	Onion	Leek, Barbara, Joe, Ujwal F1, Jumbo, Luke, Lauren (yellow colour), Lucifer F1
17.	Parsely	Parsley Petra
18.	Pumpkin	Sakif1, Bhadra f1
19.	Ridge ground	New F1, Trisha F1, Vinaya F1
20.	Red cabbage	Primero
21.	Raddish	Koren
22.	Sponge ground	Aditi F1, Sourav F1, Vaidehi F1, New F1
23.	Sweet corn	Madhura, Navika
24.	Tomato	Raftar, Shivay, Sarathi, Bali, Sultan, Bahubali, KSP 1439
25.	Watermelon	Melody f1, Suman235, Rasika1237, Sugar queen

They have been well acquainted about different plant pathogens like fungi, bacteria, viruses and insects. Students were also seen the pure culture of fungi like *Alternaria*, *Fusarium*, *Curvularia* and *Colletotrichum*. They were acquainted with disease symptoms developed on fruits and leaves.

From this educational tour students have learned about different branches of Botany viz., Recombinant DNA Technology, Tissue culture technology, Seed germination technology, vegetable breeding, Plant pathology, Cell biology, Entomology and Plant physiology.





Students are interacting with vegetable breeders and taking important notes



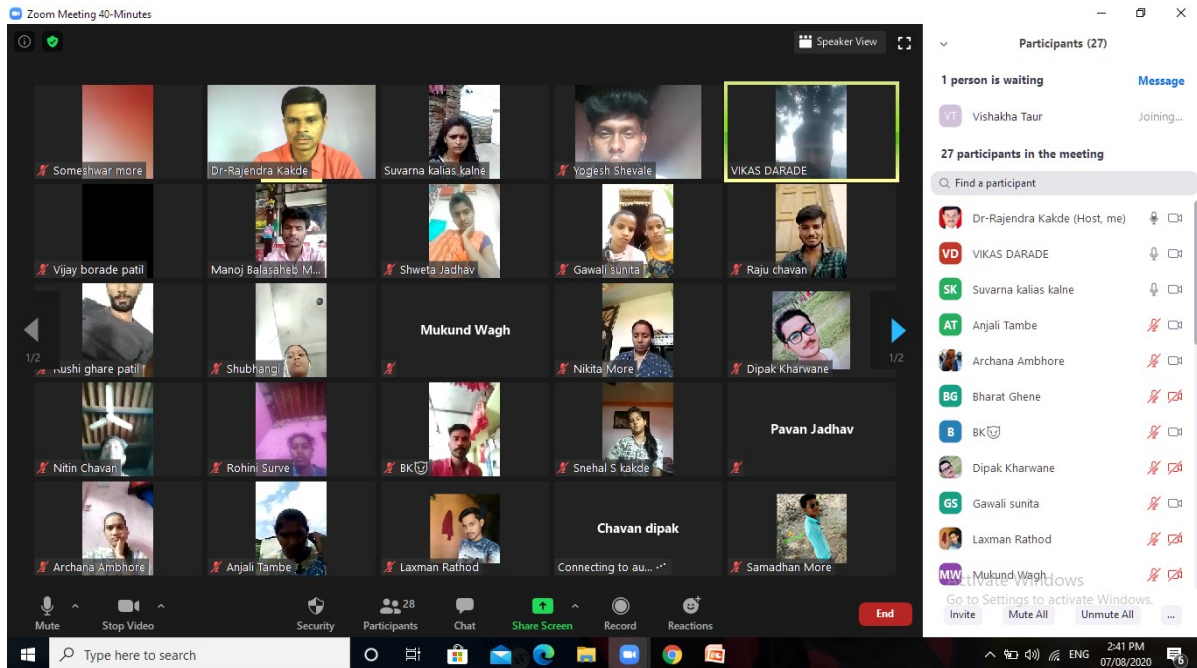
A group photo of students and teachers Dr. B.P. Sarwade, Dr. R.S. Gaikwad, Dr. R.B. Kakde and Asst. Prof. B.K. Dhotre with Dr. N.B. Kunchage, Head of Biotechnology Department of Company



## Online Lecture through Zoom app

**Date: 07.04.2020**

### Topic Pro-Eukaryotic cell difference



## Topic name: Endoplasmic Reticulum

**Date: 12.04.2020**

