

VASANTDADA SUGAR INSTITUTE
MANJARI BK, TALUKA HAVELI, DISTRICT PUNE-412 307

<https://www.vsisugar.com>



Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.4 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Day celebration details Published in VSI Bulletin which is available for public access on institute website

**Day
celebration
2018-19**

EVENTS

World Book Day

VSI Library celebrated the World Book Day on 23rd April 2018. Students and staff members were invited for inculcating the information about existing of library

collection. Library displayed books on various subjects of the interest of the readers. Staff members and students visited the book exhibition.



Maharashtra Day



VSI celebrated 58th Maharashtra Day on 1st May 2018 and National flag was hoisted by Mr. Shivajirao Deshmukh, Director General, VSI and all the staff members and students were present for this event. This day commemorates the

formation of the state of Maharashtra from the Division of the Bombay State in 1960. This day is also known as the International Labour Day.




National Technology Day

Every year the nation celebrate the National Technology Day on 11th May to commemorate the role of Science and Technology in developing a modern India and the anniversary of three key events happened on the same day viz., in 1998, the second nuclear test conducted at Pokharan marking India's entry to the world's nuclear club,

the successful flight of the indigenously developed two seater aircraft 'Hansa' and the successful firing of the 'Trishul' missile leading to its induction into the Indian army.

VSI also celebrate the National Technology day every year by organizing lecture by eminent Scientist / Technologist. Prof. SW Gosavi, Head, Departments of Physics &


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Dist Pune - 412 307





Environmental Sciences, Savitribai Phule Pune University, Pune was invited as honorable guest for this year's function. All the Scientists, Technologists and Engineers of the Institute attended this function. At the outset, Prof. Gosavi was welcomed by Dr. SV Patil, Technical Adviser & Head, Alcohol Technology and Biofuels. Dr. Deepali Nimbalkar Sr. Scientist, Environmental Sciences Department introduced him to the audience. Prof. Gosavi gave a talk on 'Use of Nanotechnology for Sustainable Development'. He gave an overview of the various projects being conducted in the Department of Physics at SPPU and the funding received from national and international agencies. His speech covered three areas viz, solar energy for rural development, nanotechnology in water & wastewater treatment and nanotechnology in health care application. The first part elaborated on the solar energy project at Shive village near Bhama- Ashked dam in Pune district. This project uses solar

energy during day time and biomass energy when sunlight is not available. He explained how this unique project has made a change in the livelihood of villagers and is also used as a live laboratory by students of the university. Prof. Gosavi talked about the use of nanotechnology in water and wastewater treatment and informed use of nano particles for removal of various components from water and waste water in different application. The final part of the lecture dealt with the use of nanotechnology in health care with a stress on technologies for early detection of cancer. He gave details about the status of different developments with an example of early detection of breast and prostate cancers through markers. The address was concluded with a summary and answering the questions raised by audience from the audience. The function was concluded by vote of thanks.



World Environment Day

VSI celebrated the 'World Environment Day' on 5th June 2018 in the VSI Library. On this occasion, Library focused on display of rare and valuable books of

Environmental Sciences from its collection and provided opportunity to enlighten the opinions to the visitors. Student and staff members visited the exhibition.



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Dist Pune - 412 307





72th Independence Day Celebration

VSI celebrated 72th Independence Day of India on 15th August 2018. National flag was hoisted at the hands of Mr. Shivajirao Deshmukh, DG, VSI, when the staff and students were present. On this occasion, Mr. Shivajirao Deshmukh, gave awards to meritorious children of VSI employees for their excellent performance in education.




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Manjari (Bk.), Tal. Haveli,
Dist Pune - 412 307





EVENTS

National Seed Day

Vasantdada Sugar Institute (VSI) celebrated the fourth 'National Seed Day' on 1st October 2018. On this occasion a one day training programme was conducted on 'Sugarcane Seed Multiplication and Production Technology' for Agriculture Assistants of sugar mills and seed nursery farmers. The event was co-sponsored by ICAR seed project.

Mr. SS Katak, Scientist, Farm Manager, welcomed the participants and guests of training programme. The event was inaugurated by Mr. Shivajirao Deshmukh, DG and Mr. Vikas Deshmukh, Director, Agricultural Sciences and Technology, Agriculture sectional Heads and Scientists were present. Total 127 trainees from 41 sugar mills were attended the programme. Mr. Vikas Deshmukh briefed about importance of three-tier sugarcane seed system. He also stressed that improved cultivation techniques needs to be adopted for enhancing per unit cane and sugar productivity.

In the inaugural address Mr. Shivajirao Deshmukh opined that seed is most important inputs in sugarcane farming. Most of sugar mills and farmers are using same seed material year after year which resulted in declining productivity. He also highlighted the role played by VSI in production of breeder's seed. He stated that the role of sugar mills and their contribution in the seed replacement programme in the State is very low (6%) and pointed out that only

15-16 sugar mills are following the three-tier seed production program in Maharashtra state. It is most important to replace sugarcane seed once in three-four years. In view of this, Institute is raising breeders seed every year on 40 ha area for distribution to mills and very few mills are lifting seed as per their demand. Most of mills are unaware about the importance of seed replacement programme.

During technical session, Mr. RS Hapase, Principal Scientist and Head Plant Breeding Section had given lecture on 'Varietal scenario in the State, its Planning and identification', Mr. SS Katak, on 'Sugarcane cane seed multiplication & seed production technology'. Dr. SG Dalvi, Scientific Officer, Tissue Culture, on 'Sugarcane seed Production through Tissue Culture' and Mr. BH Pawar, Sr. Scientist & Head Plant Pathology and Mr. RG Yadav, Scientist & Head Entomology on 'Seed born diseases and control measures'.

Mr. RN Gaikwad, Scientific Officer had shown the demonstration of single eye bud seedlings production and seedling planting techniques. On this occasion a message was given to participants to adopt improved technologies for three-tier seed production and replace old seed materials thrice in year. The program was concluded with vote of thanks.




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Dist Pune - 412 307





43rd Foundation Day

VSI celebrated 43rd foundation day on 19th November 2018 under the chairmanship of Mr. Vikas Deshmukh, Director, AST, VSI. Dr. SD Sawant, Director, ICAR-National Research Centre for Grapes, Pune was the Chief Guest of the function.

All the dignitaries were welcomed by Mrs. Jyoti Kharade. The event was formally inaugurated by Chief Guest, Dr. SD Sawant by lighting the traditional lamp along other dignitaries, Director, AST, VSI introduced

the Chief Guest to the gathering consists of Scientists, technical personnel, other staff members and students.


Dr. SD Sawant, in his inaugural address appreciated the R & D work and other activities being carried out by the institute. He also explained about role of his Institute in the area of R & D and Extension services to grape growers. The function concluded with vote of thanks by Mr. RS Gangele.



World Soil Day



The Soil Science Section, VSI celebrated World Soil Day on 5th December 2018. On this occasion Mrs. JP Kharade briefed the importance of world soil day. She elaborated the challenges to maintain soil health. Mr. SA Survase explained and demonstrated the method of soil sampling. For this event Dnyanyag training farmers were present.


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Manjari (Bk.), Tal. Haveli,
Dist Pune - 412 307



EVENTS EVENTS

The 70th Republic Day of India



The 70th Republic Day of India was celebrated on 26th January 2019. On this occasion the Director General, Mr. Shivajirao Deshmukh hoisted the National flag in the Institute in presence of staff members.



Field visit to Eco-restoration site Developed by Ecological Society at Panshet, Pune

One-day field visit organized for M.Sc. (Environmental Sciences) students by Department of Environmental Sciences for eco-restoration on 12th March 2019. Students were taken to the site at Panshet in Pune district which was ecologically restored by Ecological Society. Mrs. Swati Gole one of the founder members of Ecological Society, Pune accompanied the group as a 'resource person'. On the way to Panshet, students observed changes in habitat and land use. They raised several queries related to observations and queries were answered by Dr. Deshmane. Mrs. Swati Gole explained the history of the site then shifted to the principles of restoration and correlated the processes. She

elaborated on the changes observed at restoration site in last three decades, the limitation observed in the process and her unbiased assessment of the entire restoration exercise. She also shared a grassland restoration experience that was carried out near Phaltan in Satara district of Maharashtra. The entire discussion session was useful to students as it offered a different perception, enhance their ability to think and visualize about importance of nature in daily life. After discussion, students visited the restoration site and noted their observations. Followed by, students visited a sacred grove at village Ambegaon Khurd. In the interactive session, students raised queries which were answered by Mrs. Gole and Dr. Deshmane.

**Day
celebration
2019-20**

EVENTS

ISO 9001:2015 Audit

VSI's ISO Quality Management System Re-certification audit of ISO 9001:2015 was conducted during 26th to 27th April, 2019 by external auditor Mr. Venugopal Buram from Certification Body M/s Tata Quality (TQ) Services, Hyderabad. Mr. Vishwajit Shinde, Production Manager, Shree Datta SSK, Kolhapur attended as subject expert during the audit. The opening meeting for the re-certification audit was conveyed on 26th April, 2019 under the Chairmanship of Mr. Shivajirao Deshmukh, DG, VSI and in presence of Mr. Vikas Deshmukh, Director, AS&T, Mr. Venugopal, and Mr. Shinde. All Heads of the Departments (HOD) / Sections (HOS) and Internal Auditors were present.



After the meeting, the departments were selected by the auditor for audit and assessed thoroughly on ISO standards implementation. The closing meeting was conducted on 27th April 2019. Mr. Venugopal concluded his remarks on two day's audit and apprised all the staff for their involvement and efforts in maintaining the ISO standards. Finally, he recommended for continuation of ISO 9001:2015 Certificate to VSI which will be valid for three years in compliance and maintenance of the stipulated standards. The event concluded by Mr. Deshmukh, DG by giving thanks to the auditor for his thorough audit and his observations and advises to implement ISO in a better way.

59th Maharashtra Day

VSI celebrated 59th Maharashtra Day as well as International Labour Day on 1st May 2019. This day was commemorating the formation of the State of Maharashtra from the division of the Bombay State in 1960. National flag was hoisted by Mr. Shivajirao Deshmukh, DG along-with Mr. Vikas Deshmukh, Director, AS&T. On this occasion all the staff members and students were present.




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Manjari (Bk.), Tal. Haveli,
Dist Pune - 412 307





73th Independence Day

VSI celebrated 73rd Independence Day of India on 15th August 2018. National flag was hoisted by Mr. Shivajirao Deshmukh, DG VSI. The staff and students were present. On this occasion VSI organized talk on 'Road traffic accidents injury prevention' was given by Dr. Sampat Dumbre Patil, Sahyadri Hospital, Pune and awards were given to meritorious children of VSI employees for their excellent performance in education at hand of Mr. Shivajirao Deshmukh and Dr. Sampat Patil.




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Manjari (Bk.), Tal. Haveli,
Dist Pune - 412 307



World Biofuel Day

The Department of Alcohol Technology & Biofuels, VSI, had organized 'World Biofuel Day' on 10th August 2019 an interactive session for students of Alcohol Technology and M.Sc. (Wine Technology). This interactive session was conducted to create awareness about the importance of non-fossil fuels as an alternative to conventional fossil fuels and to highlight the impact of all fuels on the environment and various efforts made by Government of India to promote the biofuel sector.

Dr. SV Patil, Technical Advisor and Head, Department of Alcohol Technology & Biofuels, welcomed all the students. He started his discussion with introduction to renewable and non-renewable sources available on the earth. He focused on first, second and third



generation of Biofuels. He also informed that Govt. of India has taken significant steps in the field of Biofuels. He also talked about the Government initiatives on CBG (Compressed Biogas) for its production and usage as a clean and cheaper mode of fuel. CBG plants with the use of agricultural residue, cattle dung and municipal solid waste will provide an additional revenue source to farmers and job opportunities.

On this occasion, Dr. KS Konde informed about the upcoming technologies and forecasted the future development in the field of biofuel industries. Dr. Shuvashish Behera explained terminology of food to fuel ratio and different biomass which can be utilized to produce biofuel. The event concluded with vote of thanks.

VSI Committee Meetings

On 18th August, 2019 Investment Committee and 29th August, 2019 Governing Council Meeting was held at VSI. In the GC meeting Dr. RS Hapase, Principal Scientist presented the review of flood affected sugarcane crop in front of committee member's viz.,

Hon. President Mr. Sharad Pawar, Mr. Dilip Walse-Patil, Vice-President, Mr. Shivajirao Deshmukh, DG, Mr. Vikas Deshmukh, Director, Agricultural Sciences & Technology and Members of the Governing Council were present.





EVENTS EVENTS

National Seed Day

Vasantdada Sugar Institute (VSI) had organized Fifth 'National Seed Day' on October 01, 2019 under ICAR seed project. On this occasion a one day training program was conducted on 'Sugarcane seed multiplication & production technology' for Agriculture Assistants of sugar mills & seed nursery farmers. Inaugural of the National seed day was graced by Principal Scientist & Head, Plant Breeding section and sectional Heads and Scientists in the Agriculture Science and Technology Division. For this program total 80 trainees of 27 sugar mills were participated.


Mr. SS Katake, Scientist & Farm Manager welcomed the august gathering and briefed regarding importance of three tier sugarcane seed system to the participants. He mentioned that three tier seed multiplication program is helpful for adoption of varietal and seasonal planting in the operational area of mills. Most of mills are unaware about the importance of seed. He also stressed that improved cultivation techniques are needs to be adopted for enhancing per unit cane and sugar productivity. He stressed upon the role of sugar mills and their contribution in the seed replacement in the State is very low (6%). He highlighted that only 15-16 sugar mills have follow the three tier seed production program in the Maharashtra state. It is most important to replace sugarcane seed once in three-four years. In this context Institute is raising breeder's seed every year on area of 40 ha. for distribution to mills. Very few mills took seed as per their demand.

During technical session subject experts talked on different topics Dr. RS Hapase gave lecture on 'Varietal scenario in the State, its Planning and identification'; Mr. SS Katake, on 'Sugarcane cane seed multiplication & seed production

technology'; Dr. AA Nikam, Scientist, Tissue Culture, on 'Sugarcane seed Production through Tissue Culture'; Mr. BH Pawar, Sr. Scientist & Head Plant Pathology and Mr. RG Yadav, Scientist & Head Entomology on 'Seed born diseases and control measures'.

Mr. RN Gaikwad, Scientific Officer had shown the demonstration of single eye bud seedlings production and seedling planting techniques. On this occasion message was given to participants to adopt improved technologies for three tier seed production and replaced old seed materials thrice in year. The program was concluded with vote of thanks by Mr. HB Patil, Scientific officer, Farm Management and Development section.




Principal
Vasantdada Sugar Institute
Manjari (Bk.), Tal. Haveli,
Dist Pune - 412 307





Wildlife Week

On the occasion of wildlife week, Department of Environmental Sciences had organized two invited lectures. Of these, the theme of first lecture was use of modern equipment for wildlife monitoring (e.g. animal tracking system, etc). It was held on October 01, 2019 and delivered by Mr. Dnyanesh Rathod. He was associated with Wildlife Institute of India and worked on project related to monitoring of tigers. Students were amazed while observing the slides and videos related to use of camera traps, GPS and collar ids, etc in monitoring or tracking tiger. He also explained the application of collected data using these tools in preparation of conservation and management plan. Towards the end of the presentation a tool called 'range finder' was demonstrated to students by him. The second invited lecture was uniquely themed on ethno-ornithology; i.e. use of birds by different tribes

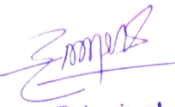
in traditional way. Dr. Vinayak Chavan, faculty at Fergusson College, Pune delivered this lecture on October 05, 2019. He is an academic visitor to Edward Grey Research Institute of Field Ornithology and Institute of Human Sciences, University of Oxford, United Kingdom for collaborative work on Ethno-Ornithology in Western Ghats. He presented field observations from Tamhini area of Pune district of Western Ghat. In the presentation, he explained various services offered by bird species to forest dwellers and thus, students realized the importance of avian (bird) diversity in day-to-day life. He also shared views on research opportunities in wildlife. In the post presentation discussion, few students expressed their willingness to pursue research in wildlife related theme. In response, he happily agreed to guide students based on individual proposal.

44th Foundation Day of VSI

VSI celebrated 44th foundation day on November 19, 2019 under the chairmanship of Mr. Dilip Walase-Patil, Vice President of VSI. Prof. Dr. Shivajirao Kadam, Chancellor Bharati Vidhyapeeth Pune was the Chief Guest of the function. Dr. Vijay Pol Sharma, Chairman CACP and Dr. Pande, Adviser CACP both were present as special guests. Dr. Indrajeet Mohite, Shri. Ashutosh Kale, members of Governing Council of VSI, Dr. DG Hapase Ex. Director VSI and Mr. US Indalkar officer from Sugar Commissioner Office Pune were also present.

All the dignitaries were welcomed by Mr. Shivajirao Deshmukh, Director General VSI. The event was formally inaugurated by Chief Guest Dr. Shivajirao Kadam by lighting the traditional lamp along with other dignitaries. Director General VSI introduced the Chief Guest and all dignitaries to the gathering consist of Scientists Technical Personnel's, other staff members and Students. Vice- President VSI briefed the R & D activities of VSI. Chairman CACP elaborated about the cost & prices of Agriculture commodities especially Sugarcane and Sugar products.




Principal
Vasantdada Sugar Institute
Manjari (Bk.), Tal. Haveli,
Dist Pune - 412 307





Dr. Shivajirao Kadam in his inaugural address appreciated the R & D work and other activities being carried out by the Institute in his speech he

highlighted needs of the better educational policy and right to education (RTE). The function concluded with vote of thanks by Mr. Vikas Deshmukh, Director AST, VSI.



World Soil Day

Soil science section, VSI celebrated the 'World Soil Day' on December 5, 2019 under the theme 'Save Erosion Save our Future'. Mr. Vikas Deshmukh, Director AST, Dr. PS Deshmukh, Head, Soil Science section and

HOD/HOS & Staff from all Agriculture Departments along with *Dnyanyag* training participants were present for this event. Mr. Vikas Deshmukh briefed the importance of world soil day.



VSI Committee Meetings

Purchase Committee Meeting was held on November 19, 2019 and Governing Council Meeting & AGM were held on December 25, 2019 at VSI.


Principal
Vasantdada Sugar Institute
Manjari (Bk.), Tal. Haveli,
Dist Pune - 412 307





EVENTS EVENTS


The 71st Republic Day of India was celebrated on 26 January, 2020. On this occasion the National flag was hoisted by Mr. Shivajirao Deshmukh, DG, along with

Mr. Vikas Deshmukh, Director, AST in the Institute. During this event staff members and students were present.



VSI COMMITTEE MEETINGS VSI COMMITTEE MEETINGS

Purchase Committee Meeting was held on November 19, 2019 and Governing Council Meeting was held on 02 February 2020 at VSI.


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Manjari (Bk.), Tal. Haveli,
Dist Pune - 412 307



**Day
celebration
2020-21**



74th Independence Day

VSI celebrated 74th Independence Day of India on 15th Aug. 2020 as per guidelines issued from government due to Covid-19 situation. National flag was hoisted by Mr. Shivajirao Deshmukh, DG Mr. Vikas Deshmukh, Director, AST and staff of VSI were present.



VSI Committee Meeting

Governing Council Meeting was held on 23rd Sept. 2020. In the GC meeting Hon. President Mr. Sharad Pawar, Mr. Dilip Walse-Patil, Vice-President, Mr. Ajitdada Pawar, Dy. Chief Minister of Maharashtra and Mr. Vijaysinh Mohite-Patil participated through webinar.

Dr. Indrajit Mohite, Mr. Jaiprakash Dandegaonkar, Mr. Arun Lad, Mr. Sangramsinh Nalwade, Mr. Narendra Ghule-Patil, Mr. Shivajirao Deshmukh, Director General, Mr. Vikas Deshmukh, Director, AST and Head sections of VSI were present.





EVENTS EVENTS

National Seed Day

Vasantdada Sugar Institute, Pune organized National Seed Day on October 01, 2020. This program was sponsored by ICAR seed project. On this occasion *Shiwarpheri* was organized at Lonarwadi & Naigaon seed production farm for cane grower farmers of sugar mills and Agriculture Assistants.

During the *Shiwarpheri* at Lonarwadi, Dr. RS Hapase, Principal Scientist & Head of Plant Breeding Section, gave the talk on 'Importance of released varieties & its identification', Mr. SS Katake, Scientist & Farm Manager, talked on 'Sugar cane seed nursery & one eye bud settlings production' and Mr. RG Yadav, Scientist & Head of Section Entomology on 'Sugarcane plant protection and its control measures'.

Dr. JM Repale, Senior Scientist, Plant Breeding section gave introduction on 'Importance of released varieties & its identification', Mr. RN Gaikwad, Scientific Officer, Farm Section, briefed about 'Sugarcane seed nursery & one eye bud settlings production' and Dr. BH Pawar, Senior Scientist & Head of Plant Pathology Section, talked on 'Sugarcane plant protection and its control measures at Naigaon farm'.

For this program total 40 participants of three sugar mills participated due to COVID19 pandemic disease, limited sugar mills was invited.

To Enhance Fuel Ethanol Production by Diverting Sugarcane Juice/ Syrup or B-heavy Molasses or Sugar

Interactive meeting and discussion on 'To enhance fuel ethanol production by diverting sugarcane juice/syrup or B-heavy molasses or sugar' was organized by Commissioner of Sugar, Government of Maharashtra and *Maharashtra Rajya Sahakari Sakhar Karkhana Sangh Limited (MRSSKSL)*, Mumbai on October 02, 2020 at Vasantdada Sugar Institute, Pune. The meeting was chaired by Hon. President of VSI Mr. Sharad Pawar, along with Mr. Ajitdada Pawar, Dy. Chief Minister, Government of Maharashtra, Mr. Jayant Patil, Minister of Water Resources and Command Area Development, GoM, Mr. Dilip Walse-Patil, Minister of Labour and State Excise, GoM, Mr. Rajesh Tope, Minister of public Health and Family Welfare, GoM, Mr. Shamrao alias Balasaheb Patil, Minister of Co-operation & Marketing, GoM, Mr. Shambhuraj Desai, State Minister of Home (Rural), State Excise, Finance & Planning, Skill Development And Entrepreneurship and Marketing, GoM, Mr. Jayprakash Dandegaonkar, Chairman of MRSSKSL, Mr. Shriram Sahadu Shete, Vice Chairman of MRSSKSL, Mr. Harshavardhan Patil, Mr. Shekhar Gaikwad,

Commissioner of Sugar, Mr. Kantilal Umap, Commissioner of State Excise, Dr. Pramod Chaudhary, President, Praj Industries Ltd., Mr. BB Thombare, Chairman, WISMA, Mr. Rohit Pawar (MLA), Vice Chairman, WISMA, Mr. Prakash Naikaware, Managing Director, National Co-operative Sugar Factories Federation, Mr. Sanjay Khatal, Managing Director, MRSSKSL, Mr. Shivajirao Deshmukh, Director General, VSI, Mr. PK Mirase, Assistant Secretary (Technical), Maharashtra Pollution Control Board and Officers of Commissioner of Sugar, Commissioner of State Excise and MRSSKSL attended the meeting.

On this occasion Hon. President of VSI Mr. Shard Pawar felicitated Dr. Pramod Chaudhari, founder chairman, Proj Industries Ltd., Pune, for his award as he became first Indian to be honored with George Washington Carver Award for Innovation in Industrial Biotechnology and Agriculture by Washington DC-based Biotechnology Innovation Organization (BIO) and IowaBio.


Principal
Vasantdada Sugar Institute
Manjari (Bk.), Tal. Haveli,
Dist Pune - 412 307





involving various stakeholders from institutions, industry and Govt sectors. He informed about newly formulated state excise policy by GoM which is supporting EBP. Mr. Vivek Pittie mentioned about ethanol pricing formula need to put in public domain for increasing investor/sugar mill confidence. He also mentioned about ethanol blending need to be allowed more than 10% in surplus sugar state like Uttar Pradesh, Maharashtra and Karnataka.

In concluding remarks, Mr. Shivajirao Deshmukh emphasized that distillery capacity is limiting factor

in successful implementation of EBP and GoI should help sugar mills for increasing distillery capacity by providing financial & policy support. He highlighted that production of ethanol from sugarcane juice/syrup will be profitable if pollution board allows the industry to use land application for effluent disposal. Finally, he concluded the webinar with vote of thanks. Overall co-ordination and moderation of webinar was conducted by Mr. AN Jamadar, Mr. VP Ghule and Mr. Sagar Bramhe.

45th Foundation Day



Lighting the lamp by Mr. Shivajirao Deshmukh, DG, VSI on the occasion of 45th Foundation Day of VSI

VSI celebrated 45th Foundation Day on November 19, 2020. All Head of Divisions/Sections gathered at Board room. On this occasion, Mr. Shivajirao Deshmukh, Director General, lighting the lamp. On this occasion, Mr. Vikas Deshmukh, Director, AST and all Heads of Divisions/Sections were present.

World Soil Day

World Soil Day (WSD) is held annually on 5th December as a means to focus attention on the importance of healthy soil and to advocate for the sustainable management of soil resources. Soil science section celebrated the World Soil Day on December 8, 2020 under the theme 'Keep soil alive, protect soil biodiversity'.

Mr. Vikas Deshmukh, Director, AST, Dr. BD Bhakre, Head, Department of Soil Science and Agriculture Chemistry, MPKV, Rahuri, and all head of section and staff of Agriculture were present. Total 70 participants from 22 sugar mills and farmers were present online for this event.

Dr. Preeti Deshmukh welcomed the guest and all the participants and briefed the importance of world soil day. Mr. Vikas Deshmukh, focus on the integrated nutrient management practices for sustainable soil fertility and cane productivity. Dr. BD Bhakre delivered the lecture on '*Shashwat oos utpadanasaathee jamin aarogya aani eakaatmik annadravye vyasthapan*'. He briefed the importance of organic manure, application of chemical fertilizer on the basis of soil testing, reclamation of salt affected soil. The event concluded with vote of thanks.



The 72nd Republic Day of India



The 72nd Republic Day of India was celebrated on January 26, 2021. As per tradition, Mr. Shivajirao Deshmukh, Director General, hoisted National Flag was unfurled followed by the National Anthem. On this occasion Mr. Vikas Deshmukh, Director, AST, Staff members and students were present in the VSI campus.




Principal
Vasantdada Sugar Institute
Manjari (Bk.), Tal. Haveli,
Dist Pune - 412 307



**Day
celebration
2021-22**

Independence Day celebration on 15 August 2021



VASANTDADA SUGAR INSTITUTE

VSI Bulletin : Vol. - 21, Issue - 3, July-September 2021



EVENTS EVENTS

Celebration of 75 years of India's Independence - 'Azadi Ka Amrut Mahotsav'

VSI Celebrated 75 years of India's Independence- 'Azadi Ka Amrut Mahotsav' on 15th August 2021. On this occasion the national flag was hoisted by Mr. Shivajirao Deshmukh, Director General in presence of Mr. Sambhaji Kadupatil, Officer on Special Duty, Mr. DB Ghule, Registrar/Principal. VSI employees/students took part in the 'Azadi Ka Amrut Mahotsav' celebrations by singing the RASHTRAGAAN at VSI campus.



Memorandum of Understanding (MoU) between VSI and NRSC, Hyderabad

National Remote sensing centre, ISRO, Department of Space, Govt. of India, Balanagar, Hyderabad and Vasantdada Sugar Institute, Pune signed a MoU on 11th August 2021 for Establishment of field equipment for validation of soil moisture products under National Hydrology Project (NHP). National remote sensing centre (NRSC) as one of the implementing Agency under National Hydrology project (NHP) is engaged in generation of geospatial products & services pertaining to water resources management. As stated earlier, NRSC is generating daily evapotranspiration using satellite data and soil moisture products using hydrological modeling techniques under NHP. In order to validate these products, a comprehensive field-based instrumentation setup will be used to take in-situ measurements required for Evapotranspiration and Soil moisture validation. For selection of site, Dr. K

Chandrasekhar, Scientist/Engineer SG and Head (Applications), Ms. Nidhi Mishra, SCI/ENG SE and Ms. Annie Maria, ISSAC SCI/ENG SE, Water resources group, RSAA, Regional Remote Sensing Centre, (NRSC), Hyderabad visited the research farms of the institute and selected the Lonarwadi Farm for installation of this instrument.



3


Principal
Vasantdada Sugar Institute
Manjari (Bk.), Tal. Haveli,
Dist Pune - 412 307



National Seed Day celebrated on 1 October 2021



VASANTDADA SUGAR INSTITUTE

VSI Bulletin : Vol. - 21, Issue - 4, October-December 2021



EVENTS

National Seed Day

Vasantdada Sugar Institute (VSI) had organized Seventh National Seed Day on October 1, 2021 under the ICAR seed project. On this occasion a one day training programme was organized on 'Sugarcane seed multiplication & production technology' for Agriculture Assistants of sugar mills and seed nursery farmers.

This event was inaugurated by Mr. Sambhaji Kadupatil, Officer on Special Duty, in presence of sectional Heads of Agriculture Science and Technology Division. Mr. Kadupatil, in his inaugural speech, mentioned the importance of seed replacement in sugarcane. Sugarcane growers are using the same seed material year after year hence productivity is also declining. It is most important to replace sugarcane seed once in three-four years. Most of the mills are unaware of the importance of the seed replacement programme. Genetically and physically pure seed gives optimum germination due to which per unit yield increased by 10 to 15%. In view of this, Institute raising breeder's seed every year on 40 ha area for distribution to mills. During the program various lectures were given by scientists as follows; 'Varietal scenario in the State, its Planning and identification' by Dr. JM Repale,


Sr. Scientist, Plant Breeding Section, 'Sugarcane cane seed multiplication, production technology' by Mr. SS Katakke, Scientist and Farm Manager, 'Sugarcane seed Production through Tissue Culture' by Dr. SG Dalvi, Scientist, Tissue Culture, 'Seed borne diseases and control measures' by Mr. BH Pawar, Sr. Scientist, Plant Pathology on and 'Integrated pest management' by Mr. RG Yadav, Scientist and Head Entomology section.

Mr. Shivajirao Deshmukh, Director General, VSI had discussed problems in the seed production in the concluding session and he mentioned that the seed replacement rate should be increased by more than 20%. Presently it is very less i.e. 6.0%. On this occasion message was given to participants to adopt improved seed production technologies and to replace old seed materials once in a three years.

For this National Seed day program total 86 trainees of 27 sugar mills have participated. The program was concluded with a vote of thanks by Mr. RN Gaikwad, Scientific Officer, Farm Management and Development section.



3


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Vasantdada Sugar Institute
Manjari (Bk.), Tal. Haveli,
Dist Pune - 412 307



46th Foundation Day celebrated on 19 November 2021



VASANTDADA SUGAR INSTITUTE

VSI Bulletin : Vol. - 21, Issue - 4, October-December 2021



46th Foundation Day of VSI

VSI celebrated 46th Foundation Day on November 19, 2021 under the Chairmanship of Mr. Shivajirao Deshmukh, Director General of VSI. Dr. Sushil Solomon, Vice President, International Association of Professionals in Sugar & Integrated Technology was the Chief guest of the function. Mr. Sunil Kumar Ohari, General Manager (Project), UP Co-operative Sugar Factories Federation Ltd., Lucknow was present a special guest. Mr. Sambhaji Kadupatil, Officer on Special Duty and VSI staff members were present.

All the dignitaries were welcomed and introduced by Dr. SV Patil, Technical Advisor & Professor, Department of Alcohol Tech. & Biofuels, VSI. The event was formally inaugurated by Chief Guest Dr. Sushil Solomon by lighting the traditional lamp along with other dignitaries.

Mr. Sunil Kumar Ohari talked about UP Co-operative sugar factories Federation Ltd., He has elaborated information about UP sugarcane scenario about sugarcane growers and industry.

Dr. Sushil Solomon talked about various factors of sugarcane and its byproducts. He also emphasized socio-economic issues related sugar industry, the distillery industry, government policies etc. Later he appreciated the R & D work and other activities being carried out in the VSI in his speech.

The function concluded with a vote of thanks by Dr. RV Dani, Technical Advisor & Head, Sugar Tech. Department, VSI.




Principal
Vasantdada Sugar Institute
Manjari (Bk.), Tal. Haveli,
Dist Pune - 412 307



73rd Republic Day of India celebrated on 26 January 2022



VASANTDADA SUGAR INSTITUTE

VSI Bulletin : Vol. - 22, Issue - 1, January - March 2022



The 73rd Republic Day of India

The 73rd Republic Day of India was celebrated on January 26, 2022. As per tradition, Mr. Shivajirao Deshmukh, Director General, unfurled the National Flag which was followed by the National Anthem. On this occasion, Mr. Sambhaji Kadupatil, OSD, staff members and students were present on the VSI campus.




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Vasantdada Sugar Institute
Manjari (Bk.), Tal. Haveli,
Dist Pune - 412 307



**Day
celebration
2022-23**

62nd Maharashtra Day celebrated on 1 May 2022



VASANTDADA SUGAR INSTITUTE

VSI Bulletin : Vol. - 22, Issue - 2, April - June 2022




EVENTS EVENTS

62nd Maharashtra Day

VSI celebrated 62nd Maharashtra Day popularly known as Maharashtra Din which is celebrated annually on May 1 to commemorate the formation of western Indian state on May 1, 1960. On this occasion

National flag was hoisted by Mr. Shivajirao Deshmukh, DG along with Mr. Sambhaji Kadupatil, OSD. All the staff members and students were present.




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Vasantdada Sugar Institute
Manjari (Bk.), Tal. Haveli,
Dist Pune - 412 307



National Technology Day celebrated on 11 May 2022



VASANTDADA SUGAR INSTITUTE

VSI Bulletin : Vol. - 22, Issue - 2, April - June 2022




National Technology day

National Technology day is held annually on May 11 to honor the contributions of India's scientific community including scientists, researchers and engineers. The theme for this year was "Integrated approach in science and technology for a sustainable future".

Dr. Sanjay Patil, Resources Scientist & Head, Maharashtra Remote Sensing Application Centre (MRSAC), Pune was invited as a chief guest for the technology day celebration at VSI on May 11, 2022. All staff members and students of VSI were present on the occasion. The program was coordinated by Dr. JM Repale. The function began with lighting of the lamp by the chief guest and the OSD, Mr. Sambhaji Kadupatil who also welcomed the guest with flowers. Dr. Deepali Nimbalkar briefed the audience about the significance of technology day and introduced the guest. After this, Dr. Sanjay Patil

delivered a lecture on 'Application of geoinformatics technology in agriculture'. He explained basics of remote sensing like remote sensing process, types of remote sensing, kinds of satellite, visual and digital image interpretation. He also explained remote sensing application in crop inventory, acreage estimation, cropping system analysis, production estimation, crop monitoring and condition assessment. He also explained use of hyper spectral sensors for identification of stress detection, varietal discrimination and disease identification. He briefed the work done in MRASC in the entire sector. The interactive session after the lecture was very interesting with lot of questions on varied applications of remote sensing, activities of MRSAC etc. from staff as well as students. The program concluded with a vote of thanks by Dr. Vivek Patil.




Principal
Vasantdada Sugar Institute
Manjari (Bk.), Tal. Haveli,
Dist Pune - 412 307



76th Independence Day celebrated on 15 August 2022



VASANTDADA SUGAR INSTITUTE

VSI Bulletin : Vol. - 22, Issue - 3, July - September 2022




EVENTS

76th Independence Day

VSI celebrated 76th Independence Day of India on August 15, 2022. National flag was hoisted by Mr. Shivajirao Deshmukh, DG at VSI campus.

Mr. Sambhaji Kadupatil, OSD, Mr. DB Ghule, Registrar/Principal, staff members and students were present. On this occasion Mr. Sambhaji Kadupatil gave awards to meritorious children of VSI employees for their excellent performance in education.




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Vasantdada Sugar Institute
Manjari (Bk.), Tal. Haveli,
Dist Pune - 412 307



National Seed Day celebrated on 1 October 2022



VASANTDADA SUGAR INSTITUTE

VSI Bulletin : Vol. - 22, Issue - 4, October - December 2022



EVENTS

National Seed Day

VSI organized a training program on 'Sugarcane seed multiplication and production technology' for Cane Development Officer & Agriculture Assistant of sugar mills on the occasion of National Seed Day on October 1, 2022 which was sponsored by ICAR-AICRP on seed (Crops) project.

Mr. SS Katak, Scientist & Farm Manager, welcomed to the participants and taken opportunity to felicitate to the newly joined Mr. Sambhaji Kadupatil, Director General, VSI offered bouquet on behalf of VSI staff by Mr. PP Shinde, Scientist & Head, Agriculture Engineering Section.

Mr. Sambhaji Kadupatil inaugurated the training program along with representatives of sugar mills and sectional Heads of AST & D. In his inaugural speech he emphasized the role of quality seed material to enhance the sugarcane production. He also told that follow the three tier (Breeder, Foundation, Certified) seed production program at sugar mill area.

Dr. RS Hapase, Principal Scientist & Head Plant Breeding Section had given lecture on 'Varietal scenario in the State, its planning and Identification'. He highlighted different sugarcane varieties released for high yielding & sugar from VSI and CSRS,

Padegaon. He gave the information about upcoming promising variety CoVSI18121, PDN15012 which are performed well in multi location trials.

Mr. SS Katak talked on 'Sugarcane seed multiplication and production technology. He highlighted the different technology for seed multiplication and suggested change the sugarcane seed every three to four years to maintain the genetic purity of seed and to avoid the pest & disease spread through seed. This will help in increase the productivity of crop.

Dr. RA Sawant, Scientist & Head Tissue Culture section had talked on 'Sugarcane seed production through tissue culture'. She gave the information about the process of tissue culture and important application to produce disease free seed multiplication.

Dr. GS Kotgire, Scientist, Plant Pathology Section, highlighted importance of seed certification and integrated management of disease & pest.

Mr. RG Yadav, Scientist, Entomology section, highlighted integrated management of pest in sugarcane seed nursery at sugar mills.

In the concluding session participants discussed their doubts with the experts of the respective subject and the program was concluded with vote of thanks




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Dist Pune - 412 307



74th Republic Day celebrated on 26 January 2023



VASANTDADA SUGAR INSTITUTE

VSI Bulletin : Vol. - 23, Issue - 1, January-March 2023

WELCOME WELCOME



DR. ASHOK D. KADLAG
Principal Scientist
(Crop Production & Protection)

Dr. Ashok Dattatray Kadlag joined VSI as Principal Scientist in Crop Production & Crop Protection under Agricultural Sciences and Technology Division on March 27, 2023. Dr. Ashok Kadlag holds a doctorate degree in Soil Science & Agriculture Chemistry. He is retired as a Soil Chemist (STCR) & In charge Head, Department of Soil Science & Agriculture Chemistry, MPKV Rahuri. He has total 37 years experience in agriculture chemicals, plant nutrition and soil fertility. He has received awards in the field of agriculture like Mrudhgandha and Best teacher award. Apart from this he worked as a Director, at KJ Somaiya Institute of Applied Agricultural Research (KIAAR), Banahatti, Karnataka State.

EVENTS EVENTS

The 74th Republic Day of India

The 74th Republic Day of India was celebrated on January 26, 2023. As per tradition, Mr. Sambhaji Kadupatil, Director General, hoisted National Flag

was unfurled followed by the National Anthem. On this occasion Mr. Shivajirao Deshmukh, Advisor, Mr. DB Ghule, Registrar / Principal and staff members & students were present in the VSI campus.




Principal
Vasantdada Sugar Institute
Manjari (Bk.), Tal. Haveli,
Dist Pune - 412 307

