

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

Report of the activities and Proofs

2019-20



VASANTDADA SUGAR INSTITUTE

Manjari (Bk), Pune- 412307, Maharashtra

03/07/2019

Activity Name: Industrial Waste Water Treatment & Water Management Solutions for Sugar and Distillery Industry

Activity scope: The make aware about latest technological developments in the field of industrial water management solutions

Activity details:

Department of Alcohol Technology & Biofuels, VSI was organized presentation on 'Industrial Waste Water Treatment & Water Management Solutions for Sugar and Distillery Industry' on 03rd July 2019 along with M/s. Ion Exchange (India) Ltd. (M/s. IEIL), (Sugar & Distillery Vertical). These presentations were arranged to understand the latest technological developments in the field of industrial water management solutions, which can help technical staff of VSI to leverage better performance for our consultancy services to member and non-member Sugar/Distillery industry. In this context the staff of Alcohol Technology & Biofuels, Sugar Engineering, Sugar Technology and Environment Science, VSI were participated for this event. Dr. SV Patil, Technical Advisor and Head, Department of Alcohol Technology & Biofuels, welcomed the entire team from M/s. IEIL. He explained contribution of M/s. IEIL is a pioneer company for industrial water treatment in India and is recognized internationally in water and environment management. From M/s. IEIL total nine representatives having individual specialties in water and waste water management solution were present and they covered topics like Ion exchange membranes; Waste water treatment (WWTP, DTRO, CPU) and WTP (DM, RO, Softeners). Mr. Vishal Sathe (Deputy Manager-Corporate Marketing Group) presented introductory company profile. He covered the complete range of technologies, products and services to offer total solutions for water treatment and water management solution to every sector of industry. He also presented footprints achieved by company in last fifty years in the area of environment management solutions for all sectors across the globe.

Mr. Sridhar Padmanaban (Senior Vice President- Membrane Division) covered the Reverse Osmosis (RO) membrane technology. In his presentation he explained about the three stage technology for manufacturing of industrial membrane. He focused on in house membrane manufacturing facility has installed India's first state-of-the-art, completely integrated and automated Reverse Osmosis membrane manufacturing plant at Verna, Goa. He also covered different membrane technologies used for water filtration treatment such as Nano-filtration, Ultrafiltration and different membrane module used. Mr. Girish Mirashi (Senior Manager-Environment Division) presented aerobic and anaerobic treatment technologies for waste water solutions in Sugar/Distillery industry. He also focused on different aerobic, anaerobic industrial equipment/system used for water treatment with their principles of operations.



S. M. S.

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VSI Bulletin - Vol-19, Issue-3
July to September 2019

EVENTS EVENTS

Industrial Waste Water Treatment & Water Management Solutions for Sugar and Distillery Industry

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Mr. Dilli Babu (Manager-Sugar, Distillery & Food & Beverage Vertical) and Mr. P. Padmanaban (Deputy Manager-Proposals) covered dealkalization and demineralization of boiler feed water. He explained about the Indian Swift, a technology developed by M/s. IEIL for dealkalization and demineralization of boiler and cooling tower feed water.

The event was concluded vote of thanks by Dr. RV Dani. He thanked team of M/s. IEIL for their presentations and participants.

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10/08/2019

Activity Name: World Biofuel Day


Activity scope: 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

Activity details:

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.

Participants: Total number of participants was 90




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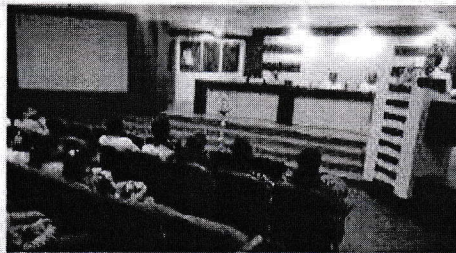
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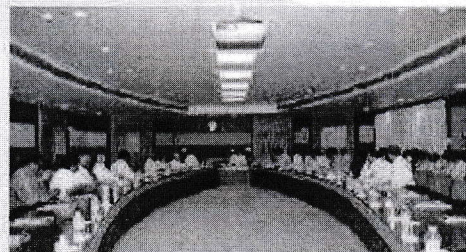
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VSI Committee Meetings

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.




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10/10/2019

Activity Name: Wildlife Week


Activity scope: 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

Activity details: 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 collarids, 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.

Speaker details: Mr. Dnyanesh Rathod, Wildlife Institute of India & Dr. Vinayak Chavan, faculty at Fergusson College, Pune

Participants: Total number of participants was 24




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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 Vidyapeeth 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.




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