



STAI e News Letter

Quarterly News Letter Volume 6, Issue 17
21 January 2020

From the Desk of President

Dear Members,
Greetings!

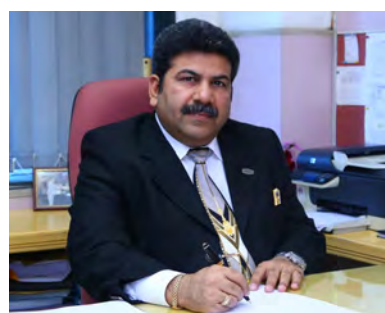
It is my privilege to share my thoughts with you through the 17th edition of STAI e-Newsletter. In the year 2019 we saw lots of happenings and developments shaping the future course of the Indian sugar Industry. In the past two sugar seasons i.e. 2017-18 and 2018-19 the country saw back to back record sugar production 32.3 MT and 33.1 MT owing to significant increase in sugarcane yield and sugar recovery though the area under sugarcane cultivation saw marginal increase.

The sugar production for the sugar season 2019-20 is expected to come down to 26 MT from 33 MT in sugar season 2018-19 due to drought in parts of South India and floods in western India. How-

ever, according to Govt. data, India's 120 main reservoirs held about 140 billion cubic meters of water as of Dec. 2019, 48% more from a year earlier and about 38% higher than the 10-year average. It is a boon to the cane crop, which is being planted now and would boost acreage in major producing regions of the country.

With the tightening of global supplies due to shortage of sugar which has come at an opportune time for the country after a gap of four years, India stands a good chance to export sugar this year to the tune 6 MT, a target fixed by the Govt of India. However, for a viable and sustainable sugar industry, we will have to produce quality sugar on sustained basis to meet the bulk consumers/exporters requirements and gradually move towards bio-refinery where each component of sugarcane is utilized for revenue generation.

For the year 2020, your Council has drawn up an exciting activity plan in commensurate to indus-



Mr Sanjay Awasthi ,
President, STAI

try needs and for the advantage of all the stakeholders. We look forward to your active participation and support as ever.

I once again take this opportunity to wish you a very happy and prosperous new year 2020 and a profitable crushing season 2019-20.

SANJAY AWASTHI

STAI President Mr Sanjay Awasthi participated in Vichar Vimarsh Program on "International Scenario of Sugarcane and Sugar Industry " telecasted on DD Kisan Channel on 3rd Jan 2020.



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Highlights :All India One Day Seminar on “Optimizing Ethanol Production in Distilleries attached with Sugar Mills-Experiences Gained and Way Forward, 27 September 2019,Panaji, Goa

All India One Day Seminar on “Optimizing Ethanol Production in Distilleries attached with Sugar Mills- Experiences Gained and Way Forward” was organized by The Sugar Technologists’ Association of India on 27th Sept. 2019 at Panaji, Goa.

This was after a long time that STAI organized a event in Goa. The seminar was organized to ponder over issues like integrating distilleries with multi-feed stocks rather than depending on molasses alone, focus on improvement in productivity of distilleries and using alternative technologies to achieve ZLD.

The seminar was attended by over 100 delegates across the country.

Following dignitaries graced the occasion and addressed the delegates during the **Inaugural Session:**

- **Chief Guest-Mr Shivajirao Deshmukh**, Director General, VSI, Pune

- **Mr. Prakash Naiknavare**, MD, National Federation of Cooperative Sugar Factories Limited, New Delhi

- **Mr M Ramlingam**, Managing Director, Dharani Sugars Ltd.

- **Mr. P K Belsare**, Vice President, STAI and Managing Director, Indiana Sucrotech Ltd.

- **Mr. D.M. Raskar**, Council Member, STAI and CEO Shreenath Mhaskoba Sakhar Karkhana Ltd.

Mr P K Belsare, Vice President, STAI welcomed the delegates and said that “The Government of India’s industry friendly Bio-Fuel Policy is offering attractive prices to sugar mills manufacturing ethanol. It is paying dividend as in past one year a number of sugar mills are either expanding their capacities or are setting up new ethanol plants. The country is also on the threshold of achieving 10% ethanol blending probably next year .”

Speaking on the occasion Mr. Shivaji Rao Deshmukh , Director General, VSI said “The sugar industry has to understand that the demand of sugar is decreasing day by day in global as well as domestic markets. Industry needs to focus on production of value added products of which Ethanol holds an important place.”

Mr. Prakash Naiknavare, MD NFCSF in his address said that Mr. Naiknavare said that India’s output is expected to reduce from 33 MT to 26 MT in 2019-20 because of reduction in cane area in Maharashtra & Karnataka which have been affected by drought and floods. Mr. Naiknavare further said that with a huge inventory of 14 MT at hand and with tightening of global supplies, India stands a good chance of exporting sugar next year

Mr D M Raskar proposed a Vote of Thanks and thanked all the delegates, speakers and sponsors for their active participation in the seminar.



Left to Right : Mr M Ramlingam, Mr P K Belsare, Mr Shivajirao Deshmukh, Mr Prakash Naiknavare, Mr D M Raskar seated on the dais during the inaugural session of the seminar

Highlights :All India One Day Seminar on “Optimizing Ethanol Production in Distilleries attached with Sugar Mills-Experiences Gained and Way Forward, 27 September 2019,Panaji, Goa (Contd.)

The **Technical Session** of the programme was Chaired by **Mr R V Vatnal** and Co-Chaired by **Dr V P Sidnale** ,Council Members, STAI and **Mr Dilip Jain**, Technical Advisor, Catalysts Bio Technologies

- Balancing Ethanol Production with Sugar to improve sustainability of Sugar Industry with reduced Pollution by V M Kul-karni

- Strategies on Optimization of Ethanol Production with Sugarcane and Multi-Feed Stocks by K Mohankumar and S Karthik Kumar

Following papers were published in the proceedings & discussed during the seminar :

- Monitoring and Certification of Ethanol Production from Sugarcane Juice/B Heavy Molasses by V.P. Sidanale, R V Dani
- Achieving Energy Efficiency and Zero Effluent Discharge in Distilleries through Modern “E-Max Technology” by Sanjay Desai, Sandeep Chichbankar
- Potential and Challenges for new Bio-Fuel Policy Implementation in Distilleries attached with Sugar Mills by Sanjay Awasthi, Anurag Goyal ,Deepti Mishra
- Optimizing Ethanol Production from Sugarcane Juice/Syrup, B Heavy Molasses and Sugar by Sanjay V Patil
- Selection of Right Feedstock Mix and Value Maximization by Praj Industries
- FAQ- Regarding Production of Ethanol under EBP from B Heavy Molasses by R.S. Shewale, R N Yadav, D.M. Raskar
- B Molasses as Feedstock-Total Solution for Preservation & Processing towards achieving the Productivity and Efficiency for Sugar Diversion by Dilip S Jain, Kapil Khandelwal, Dharmender Pathak
- Degasification, Evaporation and Condensate Polishing systems for Bio-Methanated Spent Wash: A Case Study at Harinagar Sugar Mills Ltd. by Alfalaval India



Technical Session Speakers:

Top (Left to Right) : Dr V P Sidanale, Mr Sanjay Desai, Dr Sanjay V Patil

Bottom (Left to Right): Mr D M Raskar, Mr Varun Kathale, Mr Tarun Solanki



Top: Delegates during the seminar and Open House Session

4th STAI Council Meeting held at STAI Office

The 4th meeting of the STAI Council was held on 6th December 2019 at STAI Office, Delhi. The highlights of the Council's decisions on seminars/R & I issues are as follows:

XXXI ISSCT Congress

Mr Sanjay Awasthi, President, STAI informed the council that after persistent efforts of the Association and support of the council, STAI finally got the opportunity to hold the XXXI ISSCT Congress from 5-8 December 2022 at Hyderabad, India.

This will be the third time that STAI will be hosting the prestigious ISSCT Congress and this will be a great opportunity for the Indian Sugar Industry to showcase its technological might to the global sugar industry.

Seminars/Annual Convention for the Year 2020

The council discussed in details the programme for the year 2020 and finalized as under :

a.Seminar on “Bio-Enzymes/ Other Technologies for Condensate Treatment and its Recycling in a Distillery”, 22nd January 2020 at Pune

b.Seminar on “Advances in Sugar Grading and Food Safety Standards to Produce Quality Sugar”, 22nd February 2020, Belgavi, Karnataka

c.Seminar on “Energy Efficient Milling”, March/April 2020, Gujarat

d. 78th STAI Annual Convention to be organized in August 2020

STAI Research & Investigation Projects

The council approved the following five research projects to be undertaken during the next two years by the respective Project Co-ordinator under the guidance of STAI's R & I committee.

S.No	Research Project Title	Project Co ordinator
1.	Bio-Enzymes for Condensate Treatment and Recycling in a Distillery	Mr D M Raskar, CEO, Shreenath Mhaskoba Sakhar Karkhana, Dist.Pune, Maharashtra
2.	Tractor Driven Mechanical Harvesters	Mr G Venkateswara Rao, COO, KCP Sugars, Andhra Pradesh
3.	Recycling of Sugarcane & Sugar Industry Waste	Dr Priyanka Singh, Scientific Officer , UPSCR, Shahjahanpur
4.	CNG from Press Mud Waste	Mr Anurag Goyal, AGM, Isgec Heavy Engg Ltd., Noida
5.	Removal of Suspended Material in Mixed Juice by Use of Flotation Clarifier	Mr Anup Kesarwani, Director, Chemical Systems, New Delhi

Revision of STAI's Publication “System of Technical Control for Cane Sugar Factories in India”

This publication was last updated in the year 2005. The council noted that several new technological developments have taken place in the Indian Sugar Industry during the last decade. The Council unanimously decided to update the same and constituted a 3 member Editorial Committee; comprising of Mr D.K Goel (Convenor), Dr (Mrs) V S Keskar and Mr Anurag Goyal, for a thorough revision of the above publication with the target to complete the job by June 2022.



Schedule of ISSCT Workshops 2019-2022

Section	Venue	Theme	Date
Agriculture Commission			
Agricultural Engineering & Agronomy	Colombia	Site-specific agriculture	June 2021
Biology Commission			
Germplasm & Breeding/Molecular Biology	China	Breaking yield plateaus	2021
Entomology	Thailand	Advances and challenges in IPM	February 2021
Pathology	Argentina	Diseases in the Americas	December 2021
Factory Commission			
Engineering & Processing	Germany	Comparing beet and cane processing	September-October 2021
Co-Products Commission			
Co-Products	Australia	Valorisation of factory products	April 2021
Management Commission			
Management	India		December 2022 (During Congress)

Upcoming National/ International Events

- VSI 2nd International Conference and Exhibition on “Sustainability - Innovation & Diversification in Sugar and Allied Industry 31st January to 2nd February 2020, VSI Pune www.vsiconindia2020.org
- STAI One Day Seminar on Advances in Sugar Grading and Food Safety Standards to Produce Quality Sugar” Fairfield by Marriott 22nd February 2020, Belgavi, Karnataka
- 14th Annual F.O. Licht's Sugar & Ethanol Asia 2020,3 -5 March 2020, Sheraton Grande Sukhumvit Hotel, Bangkok, Thailand
- CIS Sugar Market 2020, 27 March 2020, Hotel Radisson, Moscow, Russia

Hon. Editor : Mr D K Goel

Secretary General : Mr Amit Khatter

Members Corner

- The proceedings of 77th Annual Convention were dispatched to the valid members. Proceedings to members in arrears -Associate/Fellow/Companion/SME for the year 2019 have not been sent. They are requested to clear their dues to enable us to send copy of proceedings & Factory list.

Members may send the membership subscription through cheque/DD in favour of “**The Sugar Technologists Association of India**”

For online payment:

The Sugar Technologists' Association of India, HDFC Bank SB A/C No. 1385145000023, RTGS/NEFT IFSC CODE : HDFC 0001385, Okhla Phase-I, New Delhi- 20

- The association has started its official Facebook page and You Tube Channel. The Facebook page has already been liked by more than 1000 persons. Members may like to follow the STAI's Facebook page and subscribe the You Tube channel to stay updated with our activities. The link of the page and channel are:



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