



## Alternate Bio-Sources for Pushing Ahead Ethanol Blending Programme in India.

**D Swain**

*National Sugar Institute, Kanpur, India*

### Abstract:

Indian alcohol industry, from time to time facing shortage of cane molasses the main raw material used for the fermentative production of ethanol. Demand of ethanol for fuel sector is increasing continuously, requirement of which is 3808 million liters for 10% EBP and 7616 million liters for 20% EBP in India having a CAGR of 5+ %. Since alcohol from molasses is also being used for chemical and potable sector, the same cannot be fulfilled through molasses only and there is a need to look for alternate feed stocks for alcohol production. Due to consistent surplus of sugar production Government has taken multiple steps including allowing diversion of B heavy molasses and sugarcane juice/sugar/sugar syrup route for production of ethanol and also announced a differential pricing policy for ethanol produced from different route. Production, availability, techno economic feasibility of other alternate bio-based feed stocks like rice, maize, cassava, sugar beet, sweet sorghum etc. in India for pushing ethanol blending program ahead has been discussed in this paper.

### Biography:

D Swain et al. "Efficient Use of Sugarcane Bioenergy for Sustainability of Indian Sugar Industry" published in the proceeding of 13th Global Summit and Expo on Biomass and Bioenergy at Zurich, Switzerland. D Swain et al. "Implementation of Quality based Sugarcane Payment Scheme in India- A Need of Hour" published in the proceedings of 'IAPSIT 2018' held at Udan Thoni, Thailand. D Swain, Seema Paroha et al. "Ethanol from B-heavy molasses for sustainability of the Indian sugar industry" Proceedings of the International Society of Sugar Cane Technologists, volume 30, xx-xx, 2019.



### Recent Publications:

1. D Swain et al. "Efficient Use of Sugarcane Bioenergy for Sustainability of Indian Sugar Industry" published in the proceeding of 13th Global Summit and Expo on Biomass and Bioenergy at Zurich, Switzerland.
2. D Swain et al. "Implementation of Quality based Sugarcane Payment Scheme in India- A Need of Hour" published in the proceedings of 'IAPSIT 2018' held at Udan Thoni, Thailand.
3. D Swain, Seema Paroha et al. "Ethanol from B-heavy molasses for sustainability of the Indian sugar industry" Proceedings of the International Society of Sugar Cane Technologists, volume 30, xx-xx, 2019.
4. Seema Paroha et al "Sugar Beet-The Potential Feedstocks for Alcohol Production" in International Journal of Agriculture Sciences ISSN: 0975-3710 & E-ISSN: 0975-9107, Volume 12, Issue 8, 2020, pp-9776-9778
5. D Swain et al. "Bagasse Drying - A Green & Efficient Solution to Significantly Meet Out Power Deficit in India" published in the proceedings of STAI Convention- 2017, Cochin, India

Green Energy and Material Science | September 24, 2020 | Dubai, UAE

**Citation:** D Swain, Alternate Bio-Sources for Pushing Ahead Ethanol Blending Programme in India., Green Energy and Material Science, September 24, Dubai, UAE