

## Papers published by VSI scientists & technologists

- **Dalvi SG (2015)**  
Sugarcane micropropagation for quality seed production and constraints for mass adaptability  
Current Status of Sugarcane Research in India, Nova Scientific Publishers  
89-99
- **Dalvi SG, Patel HS, Pawar BH, Goel NK, P Suprasanna (2014)**  
*In vitro* evaluation of effect of irradiated chitosan on chitinase and chitosanase production by *Trichoderma harzianum* and *Trichoderma viridae*  
Proceedings of Abstract of Indian Chitin and Chitosan Society (ICCS) & National Conference on Application of the Derivatives of Chitin and Chitosan  
40
- **Dalvi SG, Waghey P, Pawar BH, Suprasanna P (2015)**  
*In Vitro* study on the antifungal effects of chitosan and oligochitosan on early blight disease in Potato; Journal of Chitin & Chitosan Science  
Vol. 3  
46-52
- **Gawade DB, Pal RK, Pawar BH, Kadam US (2015)**  
Detection and quantification of sugarcane mosaic virus (SCMV) in diseases sugarcane using ELISA and RT-PCR technique  
Proceedings of Abstracts of National Symposium on 'Understanding host-pathogen interaction through science of Omics'  
58-59
- **Hapase PR, Patil SL, Hapase RS (2014)**  
Performance of promising sugarcane genotypes in the North-East region of Maharashtra State  
Proceedings of 2<sup>nd</sup> Annual Convention of Bharatiya Sugar  
45-48
- **Hapase RS, Repale JM, Pawar MW, Pawar VN (2014)**  
Performance of newly developed promising midlate maturing sugarcane genotypes at VSI, Pune location; Proceedings of 61<sup>st</sup> Annual Convention of DSTA  
38-42
- **Hapase RS, Repale JM, Pawar MW, Pawar VN (2014)**  
Studies on evaluation of midlate maturing promising sugarcane genotypes in spring season  
Proceedings of 2<sup>nd</sup> Annual Convention of Bharatiya Sugar  
1-7
- **Hapase RS, Sushir KV, Diwate SR, Walte MB, Talekar SD (2014)**  
Regional selection in a sugarcane breeding programme  
Proceedings of 2<sup>nd</sup> Annual Convention of Bharatiya Sugar  
57-59
- **Kulkarni PA, Devarumath RM (2014)**  
*In silico* 3D-structure prediction of SsMYB2R: A novel MYB transcription factor from *Saccharum spontaneum*  
Indian Journal of Biotechnology; Vol.13  
437-447
- **Manjul US, Vasekar VC, Hapase RS, Repale JM, Hapase PR, Sushir KV, Talekar SD, Pawar DS (2014)**  
Evaluation of newly developed sugarcane genotypes against major pests and diseases  
Proceedings of 44<sup>th</sup> Annual Convention of SISSTA; 196-200

- **Muley AB, Talib MI, Parate VR, Tawar PN, Suprasanna P, Dalvi SG (2014)**  
Potential use of chitosan and irradiated chitosan in control of potato tuber disease  
Proceedings of Abstracts of Indian Chitin and Chitosan Society (ICCS) & National Conference  
on Application of the Derivatives of Chitin and Chitosan  
61
- **Nikam AA, Devarumath RM, Ahujha A, Babu H, Shitole MG, Suprasanna P (2015)**  
Radiation-induced in vitro mutagenesis system for salt tolerance and other agronomic characters  
in sugarcane (*Saccharum officinarum* L)  
The Crop Journal  
Vol. 3, 46-56
- **Nikam AA, Devarumath RM, Shitole MG, Ghole VS, Tawar PN, Suprasanna P (2014)**  
Gamma radiation, in vitro selection for salt (NaCl) tolerance and characterization of mutants in  
sugarcane (*Saccharum officinarum* L); *In Vitro* Cell. Dev. Biol.- Plant  
Vol. 50(6); 766-776
- **Pawar DS, Hapase RS, Repale JM (2014)**  
Productivity of midlate maturing sugarcane genotypes  
Proceedings of 44<sup>th</sup> Annual Convention of SISSTA  
74-77
- **Pande C, Shahi NV, Pawar BH (2014)**  
Synergistic effect of chitosan and *Trichoderma viride* against *C paradoxa*, the causal agent of  
pineapple disease in sugarcane  
The Journal of Rural and Agricultural Research  
Vol. 14 (2); 70-74
- **Phonde DB, Deshmukh PS, Banerjee K, Adsule PG (2014)**  
Plant available silicon in sugarcane soils and its relationship with soil properties , leaf silicon and  
cane yield; An Asian Journal of Soil Science  
Vol. 9 (2); 176-180
- **Poornima G, Pawar BH, Goel NK, P Suprasanna, Dalvi SG (2014)**  
*In Vitro* Study Of Antifungal effect of chitosan on *Ceratocystis paradoxa*: a causal organism of  
pineapple disease in sugarcane”  
Proceedings of Abstracts of Indian Chitin and Chitosan Society (ICCS)& National Conference  
on Application of the Derivatives of Chitin and Chitosan  
62
- **Sawant RA, Tawar PN, Meti NT, Ranjekar PK (2014)**  
Role of sugarcane micropropagation for production of quality seed  
International Journal of Recent Biotechnology  
Vol. 2 (4); 34-41
- **Shinde PP (2014)**  
Sugarcane fertigation through drip irrigation for sugarcane  
Proceedings 73<sup>rd</sup> Annual Convention of STAI  
214-221
- **Talekar SD, Hapase RS, Repale JM, Pawar MW, Pawar VN (2014)**  
Evolution and evaluation of sugarcane clones for salt tolerance  
Proceedings of 44<sup>th</sup> Annual Convention of SISSTA  
78-85
- **Ingle TS (2014)**  
Modernization of Rena SSK for 3300 TCD capacity  
Proceedings of 61<sup>st</sup> Annual Convention of DSTA  
216-224

- **Chandgude RA, Patil PG, Dani RV (2014)**  
Surplus power generation from sugarcane  
Proceedings of 44<sup>th</sup> Annual Convention of SISSTA  
247-254
  - **Patil SV (2014)**  
Compliance to Zero Liquid Discharge (ZLD) norms in Indian distilleries: Technical challenges and solutions; Sugar Industry 139  
Vol. 10; 610-616
  - **Paradh AD (2015)**  
Gram negative spoilage bacteria in brewing, (chapter 8)  
In Brewing Microbiology- Managing Microbes, Ensuring Quality and waste valorization (Edn), Hill, A., E., Wood Head Publication ( Elsevier)  
ISBN-978-1-78242-331-7, I.; 173-192
  - **Patil SV, Mahind SY, Jadhav UK, Dani RV**  
Critical investigation of B-Heavy molasses route for enhancing alcohol production  
Proceedings 44<sup>th</sup> Annual Convention of SISSTA  
422-428
  - **Alhat EP, Nimbalkar DS, Ghole VS (2014)**  
Enhancement of Calorific Value of Bagasse with Distillery Spentwash through Briquetting  
International Journal of Innovative Research in Science, Engineering and Technology  
Vol.3; 17376-17381
  - **Alhat EP, Duraphe VV, Nimbalkar DS, Ghole VS (2014)**  
Carbon Electrodes for the Electro Accumulation of Potassium from Distillery Spentwash  
International Journal of Innovative Research in Science, Engineering and Technology  
Vol.3; 18084 – 18088
  - **Deshmane Amol, Patil Yogesh, Langade Ravikant, Nimbalkar Deepali, Ghole Vikram (2014)**  
Bio-Fixation of carbon dioxide using carbonic anhydrase through synthesis of bicarbonate  
International Journal of Advanced Research in Science, Engineering and Technology,  
Vol.3(12); 18031-18038
  - **Deshmane Amol, Nimbalkar DS, Nikam TD, Ghole VS (2015)**  
Exploring alternative treatment method for sugar industry effluent using '*Spirulina platensis*'  
Sugar Tech published online
  - **Kolte Hemangi, Walke Apeksha, Nimbalkar Deepali, Ghole Vikram (2014)**  
Combine Ozonation Treatment Followed by Biological Treatment to Anaerobically Digested Spentwash; International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering  
Vol. 3 (12); 14082-14088
  - **Kolte Hemangi, Walke Apeksha, Nimbalkar Deepali, Ghole Vikram (2014)**  
Evaluation of Fenton Reagent Treatment to Anaerobically Digested Spentwash in Combination with Biological Treatment; International Journal of Innovative Research in Science, Engineering and Technology  
Vol.3 (11); 17460-17467
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## Paper Presentations

- **Dani RV (2014)**  
Effect of sugarcane quality on sugar manufacturing process  
Workshop on sugarcane varieties and planning in VSI
  - **Patil SV (2014)**  
Enhanced ethanol requirement increasing sugar stocks and possibility of paying FRP  
AIDA seminar
  - **Pal RK, Shingote PR, Thorat AS, Dhumale DR, Babu KH (2015)**  
Detection of Sugarcane Mosaic Virus (ScMV) in diseased Sugarcane using ELISA and RT-PCR  
Technique  
6<sup>th</sup> Indian Youth Science Congress
- 

## Poster Presentation

- **Thorat Avinash, Shingote Prashant, Hunchikutti Vidya, Babu KH (2015)**  
Genetic Transformation of Sugarcane (*Saccharum officinarum*) Seed Fluff with *Cry1F* Gene and  
Molecular Analysis  
6<sup>th</sup> Indian Youth Science Congress
- **Rajpal V, Sharma S, Devarumath RM, Chaudhary M, Avinash Kumar, Khare N, Raina SN (2014)**  
Nuclear and organelle DNA fingerprints as the most useful markers to evaluate genetic integrity  
Tree Biotechnology CRC Press, Taylor & Francis Group, NY  
303-336
- **Devarumath RM, Nerkar GA, Farsangi FJ, Nikam AA, Babu H (2015)**  
Embracing biotechnology methods for crop improvement research in sugarcane  
Current status of sugarcane research in India: Nova Science Publishers  
33-54