

Papers published by VSI scientists & technologists

- **Dalvi SG, Tawar PN, Suprasanna P (2017)**
Gamma Irradiated chitosan a wonderful biostimulant for sugarcane yield improvement
Proceedings of 75th Annual Convention of STAI
210 - 223
- **Deshmukh PS, Phonde DB (2017)**
Foliar sprays of seaweed extract on growth, yield and quality of sugarcane
Proceedings of 75th Annual Convention of STAI
85 – 96
- **Farsangi FJ, Thorat AV , Devarumath RM (2017)**
Analysis of molecular assortment in sugarcane varieties using RAPD and ISSR markers
Research Journal of Biotechnology
12 (12)
20 – 28
- **Hapase RS, Repale JM, Pawar DS (2017)**
CoVSI 03102 - Sugarcane variety for high rainfall zone of Maharashtra
Proceedings of 75th Annual Convention of STAI
142 - 151
- **Hapase RS, Repale JM, Pawar DS (2017)**
Yield stability analysis on sugarcane cultivars trials in high rainfall area of Maharashtra
International Symposium on Sugarcane Research since Co 205: 100Years and Beyond
(SucroSym 2017) at Sugarcane Breeding Institute, Coimbatore, Tamil nadu
110 - 113
- **More RR, Ghodke SD, Patil MA**
Isolation, identification of weed pathogen and development of consortium of their toxins
as a bio-weedicide for controlling weeds in sugarcane crop
Proceedings of 75th Annual Convention of STAI
293 - 299
- **More RR, Phonde DB (2017)**
Bioavailability of silicon by silicate solubilizing micro - organisms for increasing yield
and quality of sugarcane
Proceedings of abstracts, 7th International Conference on Silicon in Agriculture, UAS,
Bengaluru; 120
- **Nerkar GA, Purankar MV, Sheelavantmath SS, Devarumath RM (2018)**
Biotechnological approach: A new dimension for sugarcane improvement
*In: Kalpana Sengar (Ed) Biotechnology to Enhance Sugarcane Productivity and Stress
Tolerance CRC Press, Taylor & Francis Group, NY*
1 - 24
- **Pawar BH, Patil DG, Dalvi SG (2017)**
A simple approach for rapid screening of sugarcane genotypes against wilt and induction
of disease resistance
Proceedings of 75th Annual Convention of STAI
279 - 292

- **Phonde DB, Deshmukh PS, More RR, Banerjee K (2017)**
 Studies on soil silicon status in vertisols and silicon management in sugarcane
 Proceedings of abstract, 7th International Conference on Silicon in Agriculture, UAS,
 Bengaluru
 122
- **Ravindra RK, Pallavi W, Prashant GK, Ghole VS and Babu KH (2017)**
 Development of sugarcane plastid transformation system using particle bombardment
 J. Plant Development Sciences
 9(6)
 523 - 530
- **Repale JM, Hapase RS, Chapde PD (2017)**
 Studies on performance of promising sugarcane genotypes in North-East Maharashtra
 Proceedings of 75th Annual Convention of STAI
 137 - 141
- **Shinde PP (2017)**
 Mechanized cultivation in sugarcane crop
 Proceedings of 75th Annual Convention of STAI
 174 -181
- **Virdhaval MN, Mokshadaa RN, Ravindra RK, Avinash ST and Babu KH (2017)**
 Detection and eradication of major microbial contaminants during callus culture of
 Sugarcane (*Saccharum officinarum* L.) genotype Co 86032
 Research Journal of Pharmaceutical, Biological and Chemical Sciences
 8(1)
 1153 -1160
- **Panda S, Dumanavar PS, Dani RV (2017)**
 A concept of conversion of existing sulphitation plant to refined sugar plant with 38%
 steam on cane
 Proceedings of 75th Annual Convention of STAI
 14 - 20
- **Kale KB (2017)**
 Modification in existing milling tandem to get 98% mill extraction
 Proceedings of 75th Annual Convention of STAI
 E 377 - 388
- **Kale KB (2017)**
 Moisture reduction system by trash plate modification
 Proceedings of 63rd Annual Convention of DSTA
 E 274 - 278
- **Patil KR, Ingle TS (2017)**
 Solar energy application in Indian Sugar Industry
 Proceedings of 75th Annual Convention of STAI
 E 445-455
- **Patil PG, Changude RA (2017)**
 Improved drive system for fibrizer application
 Proceedings of 47th Annual Convention of SISSTA
 E 229-239

- **Burase RV, Patil SV, Patil RS, Rathod G, Misale G (2017)**
Pilot scale studies of biomethanation of high brix spent wash
Proceedings of 63rd Annual Convention of DSTA
325-335
 - **Ingle S, Paradh A, Dudhane A, Patil S (2017)**
Enhanced bio-ethanol production from different sugarcane bagasse cultivars using co-culture of *Saccharomyces cerevisiae* and *Scheffersomyces (Pichia) stipitis*
Journal of Environmental Chemical Engineering,
5(3),
2861-2868
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Paper Presentations

- **Dalvi SG, Muley AB, Suprasanna P (2017)**
Elicitation effect of chitosan and oligochitosan on morpho-physiological parameters and expression of chitinase and chitosanase in potato
International Conference on bio-technological aspects of Chitosan and chitooligosaccharides (ICBAC) & 6th Indian Chitin and Chitosan Society Symposium (ICCCSS-2017)
University of Hyderabad
 - **Patil SV (2017)**
Adequacy of Effluent Treatment Plants- Self Assessment
All India Distillers' Association (AIDA)
New delhi
 - **Patil SV (2017)**
Producing alcohol and extracting yeast from molasses cassava and bagasse
5th TTC Annual International Sugarcane Conference, jointly organized by the TTC Group and Vietnam Sugarcane and Sugar Association (VSSA) at Phan Thiet city, Binh Thuan Province
Vietnam
 - **Patil SV (2017)**
Augmenting fuel ethanol supply alternate feedstock sustainability and policy interventions
Conference on Ethanol as a Transport Fuel at Central Institute of Road Transport, Pune, India
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Poster Presentation

- **Deshmukh PS, Phonde DB (2017)**
Assessment of field scale spatial variability of soil chemical properties of Lonarwadi research farm of VSI, Pune, India using geostatistical approach
International Symposium on “Sugarcane research since Co 205: 100 years and beyond (SucroSym 2017)” at Sugarcane Breeding Institute, Coimbatore, Tamil Nadu, India
- **Farsangi FJ, Devarumath RM (2018)**
Internal transcribed spaces (ITS) region in sugarcane diversity analysis
National seminar on “Advances in plant sciences” at Savitribai Phule Pune university, Pune, Maharashtra, India
- **Mirajkar SJ, Dalvi SG, Suprasanna P (2017)**
Study of effect of normal and gamma irradiated chitosan on *in vitro* shoot and gene expression
International conference on “Bio-technological aspects of Chitosan and Chitooligosaccharides (ICBAC) & 6th Indian Chitin and Chitosan Society Symposium(ICCASS-2017)”
at University of Hyderabad, Hyderabad, India
- **Nalavade VM, Chavan SM, Farsangi FJ, Babu KH (2018)**
Evaluation of SoMYB18 gene transformed sugarcane lines using ISSR markers National conference on “Multidisciplinary approaches in life science: Research and Application for Sustainable Development (NCMALS 2018)” organized by Yashwantrao Chavan Institute of Science, Satara, Maharashtra, India
- **Negi P, Rai AN, Pandey MA, Nikam AA, Devarumath RM, Suprasanna P (2017)**
Physiological basis of salt tolerance in a radiation-induced mutant of sugarcane
National conference of plant Physiology “Emerging role of plant physiology for food security and climate resilient agriculture”
at IGKV , Raipur, Chattisgarh
- **Purankar MV, Devarumath RM (2018)**
Media optimization protocol for plant regeneration through embryogenesis for the sugarcane variety CoM0265
National seminar on “Advances in plant sciences” at Savitribai Phule Pune university, Pune, Maharashtra, India
- **Repale JM, Hapase RS, Pawar DS (2017)**
Evaluation of promising clones of sugarcane developed at VSI
International Symposium on “Sugarcane research since Co 205: 100 years and beyond (SucroSym 2017)”
at Sugarcane Breeding Institute, Coimbatore, Tamil nadu, India
- **Nalavade VM, Ghogare SC, Nimbalkar DS, Deshmane AB (2018)**
Use of microalgae *Chlorella vulgaris* for the treatment of bio-methanated distillery spentwash
National conference on ‘Multidisciplinary approaches in Life Science: Research and Applications for Sustainable Development’ organized by Yashwantrao Chavan Institute of Science, Satara, Maharashtra, India