

Papers published by VSI scientists & technologists

- **Babu K H, Nerkar Y S (2012)** Transient GUS expression studies of single and double CaMV35S promoter in sugarcane and comparison with tobacco leaves and rice callus. *Adv. Bio.Tech.* 11(9): 33-35.
- **Devarumath R M, Kalwade S B, Kawar P G, Sushir K V (2012)** Assessment of Genetic Diversity in Sugarcane Germplasm Using ISSR and SSR Markers. *Sugar Tech*, 14(4): 334-344.
- **Doule R B, Nerkar Y S (2012)** Assessment of genetic variation in micropogated sugarcane (*Saccharum Sp.L.*) plantlets and their field performance as a seed source ISNPSR, S-I-P21: 35.
- **Deshmukh P S, Phonde D B (2012)** Response of CoVSI 9805 to macronutrients and micronutrients in Inceptisols Proceedings of 59th Annual Convention of DSTA, Agriculture 106-114.
- **Deshmukh A S, Shinde P P (2012)** Crop geometry and fertigation through drip irrigation for sugarcane Proceedings of 71st Annual Convention of STAI, Agriculture 149-157.
- **Deshmukh A S (2012)** Microirrigation techniques in sugarcane agriculture Proceedings of workshop on initiative for sustainability in sugarcane development, 85-93.
- **Gawade D B, Pawar B H, Gawande S J, Vasekar V C (2012)** Antagonistic effect of *Trichoderma* against *Fusarium moniliformae* - the causal agent of sugarcane wilt. *American-Eurasian J. Agric. and Environ. Sci.*, 12 (9): 1236-1241.
- **Ghodke P V, Manapatil S B, Doule R B (2012)** Agronomic Evaluation of New Promising Sugarcane Genotypes and their Response to Nitrogen Fertilization Proceedings of 71st Annual Convention of STAI, 358-364.
- **Hapase R S, Repale J M, D S Pawar (2012)** CoVSI 9805 and CoVSI 03102-Midlate high sugared and erect varieties of sugarcane for mechanical harvesting in Maharashtra Proceedings of 42nd Annual Convention of SISSTA, 91-96.
- **Hapase R S, Repale J M, Pawar D S, Patil S C (2012)** Selection of sugarcane clones for high sugar recovery and flowering zone of Maharashtra State. Proceedings of 71st Annual Convention of STAI, 295-302.
- **Hapase R S, Repale J M, Pawar D S, Pawar B H, Yadav R G (2012)** A Midlate, High sucrose with erect growing genotype CoVSI 03102 pre-released for Maharashtra State. Proceedings of 59th Annual Convention of DSTA, Agriculture 11-21.
- **Kalwade S B, Devarumath R M, Kawar P G, Sushir K V (2012)** Genetic profiling of sugarcane genotypes using Inter Simple Sequence Repeat (ISSR) markers *Electronic Journal of Plant Breeding* 3(1), 621-628.
- **Karpe A, Nikam A A, Chimote K P, Kalwade S B, Kawar P G, Babu K H, Devarumath R M, Suprasanna P (2012)** Differential responses to salinity stress of two varieties (CoC 671 and Co 86032) of sugarcane (*Saccharum Officinarum L.*) *African J. Biotechnology* 11(37): 9028-9035.
- **Kawar P G, Pagariya M C, Rao G P (2012)** Insights on phytoplasma genomics and host-pathogen interaction. *Phytopathogenic Mollicutes*, 2(2), 47-58.

- **Kalwade S B, Devarumath R M, Ahuja A V, Daf S N (2012)** The Role of Micro RNA and its Modulation in Diseases and Drug Response: The Spark in Bioscience International Journal of Research in Biomedicine and Biotechnology 2(1), 1-7
- **Kale Ravindra (2013)** Development of chloroplast transformation system in sugarcane (Co86032) by using particle Bombardment. Central Food Technological Research Institute (CFTRI)
- **Pawar, D S, Hapase R S, Repale J M, (2012)** Evaluation of mid late maturing sugarcane genotypes at VSI, Pune. ISNPSR, S-III-P27 137.
- **Pagariya M C, Devarumath R M, Kawar P G (2012)** Biochemical estimations and identification of differentially expressed candidate genes in salt stressed sugarcane Plant Science 184: 1-13
- **Phonde D B, Deshmukh P S (2012)** Advances in soil fertility and nutrient management for improving sugarcane productivity Bharatiya Sugar. January 2012 13-21.
- **Phonde, D B, More S S, Deshmukh P S (2012)** Evaluation of different modules of integrated nutrient management in sugarcane for sustainable productivity Bharatiya Sugar. July 2012 19-24.
- **Phonde D B (2013)** A Review on fertigation technique for increasing fertilizer use efficiency and sugarcane productivity, Indian Sugar, LXII, (05), 44-54.
- **Pawar B H, Vasekar V C, Hapase R S, Gawade D B (2012)** Evaluation of genotypes/ varieties to smut disease under artificial disease condition Proceedings of 71st Annual Convention of STAI, 336 - 340.
- **Repale J M, Hapase R S, Pawar VN, Pawar D S, Patil S C (2012)** Evaluation of new Sugarcane genotypes in South zone of Maharashtra Proceedings of 42nd Annual Convention of SISSTA, 129-134.
- **Repale J M, Hapase R S, Pawar D S, Pawar M W (2012)** Yield and sucrose characteristics of newly developed sugarcane genotypes under test at VSI Proceedings of 71st Annual Convention of STAI, 21-31.
- **Repale J M, Hapase R S, Pawar D S (2012)** Estimating family performance of sugarcane crosses in high recovery and flowering zone of Maharashtra State ISNPSR, S-I-P20, 34.
- **Shinde P P, Deshmukh A S (2012)** Raingun sprinkler irrigation – an advance technology of water management for sugarcane Proceedings of 71st Annual Convention of STAI, Agriculture 143-148.
- **Shinde P P, Deshmukh A S (2012)** Lady's finger- a profitable intercrop in suru sugarcane under rain gun sprinkler irrigation Proceedings of 59th Annual Convention of DSTA, A 182-186.
- **Shinde P P, Deshmukh A S, Repale J M (2012)** Varietal evaluation under drip irrigation for sugarcane Proceedings of 42nd Annual Convention of SISSTA, 47-50.
- **Shinde P P (2013)** Water and fertilizer management for drip irrigation in sugarcane Proceedings of joint seminar organized by SISSTA and Shri. Hiranyakeshi SSK, 59-64.
- **Takalkar B J, Pawar B H (2012)** World Sugar Scenario, constraints before sugar industry and strategies for improving sugarcane and sugar yields Bharatiya Sugar, May 2012: 11-15.

- **Takalkar B J, Pawar B H (2012)** Study of sugarcane seasonal planting and varietal change and its effect on cane yield and sugar recovery in Maharashtra Proceedings of 71st Annual Convention of STAI, Agriculture 385-394.
 - **Dani R V, Bhosale R N (2012)** Rapid and automatic analytical method for sucrose base cane payment Proceedings of 71st Annual Convention of STAI, 31-42.
 - **Sidanale V P, Dalvi L S, Dani R V (2012)** Use of new biocide for sugar industry Proceedings of 71st Annual Convention of STAI, 89-101.
 - **Dani R V, Bhosale R N (2012)** Simple and rapid method of sugar cane analysis Proceedings of 42nd Annual Convention of SISSTA, 281-286.
 - **Dani R V, Sidanale V P, Dalvi L S, Jadhav P D (2012)** Production of low colored plantation white sugar case studies in season 2011-12 Proceedings of 42nd Annual Convention of SISSTA, 271-280.
 - **Dani R V, Bhosale R N, Shinde Vishwajit, Genge K B, Jadhav P D (2012)** A study on effect of sugarcane varieties on quality of plantation white sugar Proceedings of 59th Annual Convention of DSTA, M1-9.
 - **Dani R V, Bhosale R N (2012)** Application of FT-NIR for rapid analysis of sugarcane in Indian sugar industry Proceedings of 59th Annual Convention of DSTA, M53-60.
 - **Londhe M B, Shetti R K, Deshpande S V (2012)** Waste heat recovery system for film type sulphur burner Proceedings of 59th Annual Convention of DSTA, M73-78.
 - **Sidanale V P, Dalvi L S, Dani R V (2012)** Application of chlorine di-oxide base biocide in sugar industry Proceedings of 59th Annual Convention of DSTA, M61-72.
 - **Dani R V, Londhe M B, Chandgude R A (2012)** Prospects of use of surface condensers in Indian sugar industry Proceedings of 42nd Annual Convention of SISSTA.
 - **Patil K Cane Diffuser - An Energy efficient option for cane juice extraction (2012)** Proceedings of 71st Annual Convention of STAI, 3-14.
 - **Shital Giramkar, Suresh Jagtap, Ms. Narkhede, Saurabh Mukhopadhyay, Gauri Ligade, Shrikant Takle, Sanjay Patil, Omkar Kulkarni (2012)** Effect of pre-sterilization on physicochemical parameters and in vitro free radical scavenging potential of Saraswatarishta Journal of Pharmacy Research, 5(5), 2657-2663.
 - **Prashant Bhondave, Raghunath Burase, Shrikant Takale, Anant Paradkar, Sanjay Patil, Kakasaheb Mahadik, Abhay Harsulkar (2013)** Yeast consortium isolated from Woodfordia fruticosa flowers proved to be instrumental for traditional Ayurvedic fermentation International Journal of Pharmaceutical and Biomedical Research, 4(1), 37-45.
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Paper Presentations

- **Kale P B, Jadhav P V, Mane S S, Nandanwar R S, Dudhare M S, Moharil M P, Kawar P G (2012)** an approach to resolve floral bud distortion in Soyabean. Microbial Consortium approaches for plant health management, Dept. of PI pathology, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola, POS 149.
 - **Dinesh Patil, Vandan Ghule, Dattatraya Takate, Sanjay Patil (2013)** Development of Standards and Guidelines for Grain Based Distillery Wastes in India Presented in the AIDA seminar at New Delhi.
 - **Shashikant Patil, Raghunath Burase, Sanjay Patil (2012)** Evaluation of thermo-tolerant yeast at plant level Presented in the AIDA seminar at Pune.
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Poster Presentation

- **Ahuja A, Devarumath R M, Kalwade S B (2012)** Study of genetic diversity in sugarcane genotypes by using expressed sequence tag based simple sequence repeat (EST-SSR) markers DAE-BRNS Life Sciences Symposium 2012 (LSS-2012) on Trends in Plant, Agriculture and Food Sciences (TIPAFS), BARC.
- **Devarumath R M, Bundock P, Elliott F G, Henry R (2012)** Assessment of genetic diversity in sugarcane genotypes using Single Nucleotide Polymorphism (SNP) Marker DAE-BRNS Life Sciences Symposium 2012 (LSS-2012) on Trends in Plant, Agriculture and Food Sciences (TIPAFS), BARC.
- **Gawade D B, Pawar B H, Vasekar V C (2012)** Chemical control of *Ceratocystis paradoxa* - a causal agent of pineapple disease of sugarcane ISNPSR.
- **Hapase R S, Repale J M, Pawar D S (2012)** Stability of Performance of newly Developed Sugarcane Genotypes in Peninsular Zone-II, ISNPSR.
- **Kalwade S B, Devarumath R M, Babu K H (2013)** Functional microsatellite marker development from the sugarcane sequence tag database (SUCEST) using Bioinformatics tools International Plant and Animal Genome conference XXI 2013 USA (Abstract #P0718).
- **Nikam A A, Devarumath R M, Tawar P N, Shitole M G, Ghole V S, Suprasanna P (2012)** Somaclonal variation in sugarcane following gamma irradiation and subsequent screening for salt tolerance DAE-BRNS Life Sciences Symposium 2012 (LSS-2012) on Trends in Plant, Agriculture and Food Sciences (TIPAFS).
- **Phonde D B, Deshmukh P S (2012)** Soil and nutrient management strategies in salt affected soils for sustainable sugarcane productivity ISNPSR.
- **Patil D S, Gawade D B, Pawar B H, Dalvi S G (2012)** Effect of Chitosan on *Fusarium moniliformae* - a causal agent of wilt disease of sugarcane and *Trichoderma* spp. ISNPSR.
- **Takalkar B J, Pawar B H (2012)** Present Status of sugar Industry and Future strategies for increasing sugarcane and sugar productivity in Maharashtra. ISNPSR, 386.