

## Papers published by VSI scientists & technologists(year 2001-02)

- M. R. Shinde and A. N. Salunkhe - The effect of varietal cane crushing composition on sugar recovery - Proceedings of the 50th (Golden Jubilee) Session of DSTA, Pune, 2001, Agri. Section: A148-A152
- A. N. Salunkhe, S. R. Jamdade and S. B. Jadhav - Maximisation of farm profit by paired row system in cane - Proceedings of the 24th ISSCT Session, Vol II, Brisbane (Australia), 2001, pp. 217 - 219
- B. J. Takalkar, A. N. Salunkhe and S. B. Jadhav - Sugarcane varietal scenario in Maharashtra state - Proceedings of the 63rd Session of STAI, Jaipur 2001, Agril. Section: A9-A19
- P. P. Shinde and S. B. Jadhav - Multiratooning of sugarcane under drip irrigation - Proceedings of the 33rd Session of SISSTA, Chennai, 2001 : 109-112
- A. S. Patil - Pokkah boeng and pineapple disease: Research progress in India - Sugarcane Crop Management: (Editor: S.B.Singh, G.P.Rao and S. Eshwarmoorthy; S.T.Publishing Co., America, 2002), pp.161- 195
- G. P. Rao, S. Soloman, V. P. Agnihotri, V. K. Madan, A. S. Patil and K. N. Dhumal - Sugarcane diseases: Host - pathogen interaction and metabolic alterations during pathogenesis - Sugarcane Crop Management, (Editor: S.B.Singh, G.P.Rao and S.Eshwarmoorthy; S. T.Publishing Co., America, 2002), pp.255-296
- R. R. More, V. P. Sidnale and M. B. Londhe - Survey of microbial count in sugar mills of Maharashtra - Proceedings of the 50th (Golden Jubilee) Session of DSTA, Pune, 2001, Manu. Section: M54-M64
- Hema Singh and A. S. Patil - Response of fungicides to pineapple disease for germination and spread of infection in sugarcane under field conditions - Proceedings of the 54th Session of Indian Phytopathology, Kasargod, 2002
- S. S. Joshi and N.A.Zende - Suppression of flowering in sugarcane variety CoC 671 and its effect on cane yield and juice quality - Proceedings of the 33rd Session of SISSTA, Chennai, 2001, pp 97- 100
- S. S. Joshi, V. T. Amodkar and S. B. Jadhav - Correlation of biochemical parameters with commercial cane sugar and yield of sugarcane under sulphur fertilizers - Proceedings of the 24th Session of ISSCT, Vol. II, Brisbane (Australia), 2001, pp.222 -223
- V. T. Amodkar and S. S. Joshi - Correlation of chlorophyll with juice quality and yield of sugarcane as influenced by sulphur fertilizer - Proceedings of the 50th (Golden Jubilee) Session of DSTA, Pune, 2001, Agri Section: A69-A72
- R. S. Hapase and J. M. Repale - Genotype vs environment interaction in sugarcane - Proceedings of the 63rd Session of STAI, Jaipur 2001, Agri Section: A97-A105
- R. S. Hapase, J. M. Repale and D. S. Pawar - Productivity trends in mid -late maturing sugarcane genotypes - Proceeding of the 50th (Golden Jubilee) Session of DSTA, Pune, 2001, Agri Section: A35-A42
- D. B. Phonde and S.B.Jadhav - Effect of level and source of sulphur on sugarcane - Proceedings of the 24th Session of ISSCT, Vol. II, Brisbane (Australia), 2001, pp 211-213
- S. B. Magar and V. D. Shinde - Feeding potential of predatory spiders on sugarcane pests - Proceedings of the 24th Session ISSCT, Vol. II, Brisbane (Australia), 2001, pp 408 - 409
- A. S. Patil, V. D. Shinde and S. B. Magar - Predatory potential of some spider species on sugarcane pyrilla and mealybug - Proceedings of the 33rd Session of SISSTA, Chennai, 2001, pp 57-60
- A. S. Patil, U. S. Manjul, R. G. Yadav, V. D. Shinde and R. N. More - Evaluation of pheromone traps for the control of *Chilo infuscatellus* in sugarcane - Proceedings of the 50th (Golden Jubilee) Session of DSTA, Pune, 2001, Agri. Section: A126-A130
- Y. S. Nerkar and A. S. Patil - Constraints in sugarcane production and diversification of sugarcane and sugar processing coproducts - *Int. Sym. on Food, Nutrition and Economic Security through Diversification in Sugarcane Production and Processing Systems*, 2002, IISR, Lucknow, 1-15
- A. S. Patil, S. B. Magar, V. D. Shinde and R. N. More - Control of army worm pest of crops - *Daily Gaonkari*, Nasik, 2002
- A. S. Patil, S. B. Magar, V. D. Shinde and R. N. More - Sugarcane pest: Army worms - *Kisanshakti Magazine*, Kolhapur 2001, 114- 116
- R. B. Daule and N. Balsundaram - Genetic variability in cane yield and its components for selection of sugarcane - Proceedings of the 50th (Golden Jubilee) Session of DSTA, Pune, 2001, Agri.

Section: A28-A34

- R. N. Bhosae and M. B. Londhe - Colour audit of excellent quality sugar producing mills - Proceedings of the Seminar entitled "Manufacture of Internationally Acceptable Plantation White Sugar", VSI, Pune, 2001, pp 43-49
- R. N. Bhosale and M. B. Londhe - Colour solid balance of quality sugar producing mills - Proceedings of the 50th (Golden Jubilee) Session of DSTA, Pune, 2001, Manu. Section: M23-M26
- M. B. Londhe and G. M. Jenekar - Effect of retention time on juice clarification - Proceedings of the 50th (Golden Jubilee) Session of DSTA, Pune, 2001, Manu. Section: M17 - M22
- S. B. Pendse, R. N. Bhosale and B. D. Sidnale - Filtrate and syrup clarification by phosfloatation process to manufacture low coloured plantation white sugar - Proceedings of the 50th (Golden Jubilee) Session of DSTA, Pune, 2001, Manu. Section: M119-M123
- B. D. Sidnale, S. B. Pendse and R. N. Bhosale - New technologies for producing low colour white sugar - Proceeding of the Seminar entitled "Manufacture of Internationally Acceptable Sugar", VSI, Pune 2001, pp 50-56
- M. B. Londhe, R. N. Bhosale and G. M. Jenekar - Comparative study of different methods of sugar colour analysis with reference to pH, acidity, sulphur dioxide content of sugar and sugar storage - Proceedings of the 63rd Session of STAI, Jaipur 2001, Manu. Section: M24-M36
- M. B. Londhe, R. N. Bhosale and S. A. Kate - Better juice clarification: Some observations - Proceedings of a one day Seminar organised by STAI, VSI, Pune, 2001.
- M. B. Londhe, R. N. Bhosale and G. M. Jenekar - Mud trouble in sulphitation sugar mills, Part-II: Effect of milk of lime application technique on mud settling - Indian Sugar: 27 (4), 2002
- S. B. Pendse, B. D. Sidnale and M. N. Kotasthane - Process precautions and measures required for sugar quality improvement - Indian Sugar: 27 (4), 2002
- M. N. Kotasthane - A note on production of export grade sugar - Proceedings of the Seminar entitled "Manufacture of Internationally Acceptable Plantation White Sugar" VSI, Pune 2001, pp 27-32
- M. B. Londhe - Guidelines for production of low coloured plantation white sugar - Proceedings of the Seminar entitled "Manufacture of Internationally Acceptable Plantation White Sugar" VSI, Pune, 2001, pp 1-9
- D. B. Sapkal, D. S. Nimbalkar and B. B. Gunjal - Environmental management in sugar industry - Proceedings of the 24th ISSCT Session, Volume-I, Brisbane (Australia), 2001, pp 293-297
- D. B. Sapkal and B. B. Gunjal - Minimizing waste water generation in sugar industry - Waste Minimization Circle, Newsletter of NPC (Govt. of India), 2001, pp 10-12
- R. V. Godage, T. K. Balwe and M. N. Awatade - An electronic system for determination of alcohol percent in fermented wash - Proceedings of the 50th (Golden Jubilee) Session of DSTA, Pune, 2001, B8-811
- B. B. Gunjal - Maximising ethanol production in Indian sugar industry - Proceeding of the 50th (Golden Jubilee) Session of DSTA, Pune, 2001, B33-B44
- B. B. Gunjal - Bioethanol, a renewable fuel : Trends and prospects - Proceedings of the 50th (Golden Jubilee) Session of DSTA, Pune 2001, B51-B64
- M. N. Awatade, T. K. Balwe, R. V. Godage and B. B. Gunjal - Alcohol percent measuring device - Proceedings of the 33rd SISSTA Session, Chennai, 2001, pp 253-255
- V. P. Rane, B. B. Gunjal, M. L. Kadam and D. A. Patil - Ethanol: A renewable energy source - Shetkari, a Marathi monthly, Jan-Feb., 2002
- M. L. Dongre, M. N. Awatade, A. D. Shaligram and B. B. Gunjal - Optical system for measurement of suspended solids in spentwash - Proceedings of the National Conference on Sensors and Instrumentation, 2001, Hyderabad
- B. B. Gunjal, M. L. Kadam and D.A. Patil - Cane molasses - based distillery byproducts - Proceedings of the National Seminar on Opportunities of Byproducts from Agriculture and Food Processing Sectors, Pune, 2002, pp 70-80
- M. L. Dongre, M. N. Awatade, B.B. Gunjal and A. D. Shaligram - Microcontroller - based system for measurement of suspended solids in distillery effluent - Proceedings of the 9th National Seminar on Physics and Technology of Sensors, Pune, 2002
- A. V. Yewale and M. R. Shivade - A gas chromatography approach to the determination of amino acids in sugarcane juice - Proceedings of the 24th Session of ISSCT, Vol.I, Brisbane (Australia), pp

298-305

- S. M. Chavan, S. D. Borawake and S. J. Jadhav - Quantitative analysis and enzymatic hydrolysis of starch and dextran in white sugar mill process materials - Proceedings of the 24th Session of ISSCT, Vol.I, Brisbane (Australia), 2001 , pp 166-167
- J. D. Mane, D. L. Kumbhar, V. M. Bhandari and S. P. Phadnis - Preparation of DEAE bagasse: Evaluation of its decolouration action on sugarcane juice - Proceedings of the 24th Session of ISSCT, Vol.I, Brisbane (Australia), 2001, pp 324-328
- J. D. Mane, S. C. Barge and S. P. Phadnis - A facile titrimetric method for estimation of aconitic acid in cane juice - Proceedings of the 24th Session of ISSCT, Vol.I, Brisbane (Australia), 2001, pp 288-291
- V. S. Dhamankar and P. U. Patil - Biochemical decolouration of the biomethanated distillery spentwash - Proceedings of the 24th Session of ISSCT, Brisbane (Australia), 2001, Vol.I, pp 329 - 333
- P. U. Patil, B. P. Kapadnis and V. S. Dhamankar - Biobleaching of biomethanated distillery spentwash by *Aspergillus niger* UM2 - International Sugar Journal (U.K.); 103(1228), 178-182, 2001
- J. D. Mane, D. L. Kumbhar and S. C. Barge - Comparative study of aconitic acid content in molasses from three recovery zones of Maharashtra - Proceeding of the 63rd Session of STAI, Jaipur, 2001 Coproduct Section: 24-31
- S. D. Modak and S. M. Chavan - Quantitative analysis of starch and dextran in white sugar mill process materials - Proceedings of the Seminar entitled "Improvement in Exhaustibility and Sugar Quality by Elimination of Polysaccharides", VSI, Pune, 2001, pp 73-85
- S. M. Chavan, S. D. Borawake, S. D. Modak, D. M. Raskar and M. S. Patil - Colour and reducing sugar survey during sugar manufacturing process - Proceeding of the 63rd Session of STAI, Jaipur, 2001 Manu. Section: M37 - M46
- S. M. Chavan, S. D. Borawake, S. D. Modak, D. M. Raskar and M. S. Patil - Improvement in sugar quality and C - masecuite exhaustibility by application of starch and dextran hydrolysing enzymes - Proceedings of the 50th (Golden Jubilee) Session of DSTA, Pune, 2001. Manu.Section: M31-M37
- S. M. Chavan and S. D. Modak - Occurrence and origin of polysaccharides and their effect on sugar processing - Proceedings of the Seminar entitled "Improvement in Exhaustibility and Sugar Quality by Elimination of Polysaccharides", VSI, Pune, 2001 , pp 1-13
- S. B. Pendse, S. M. Chavan and S. D. Modak - Mill sanitation practices and their role in minimizing the polysaccharide formation at mill station - Proceedings of the Seminar entitled "Improvement in Exhaustibility and Sugar Quality by Elimination of Polysaccharides", VSI, Pune, 2001, pp 19-40
- S. M. Chavan and S. D. Modak - Application of amylase and dextranase to sugar manufacturing process - Proceedings of the Seminar entitled "Improvement in Exhaustibility and Sugar Quality by Elimination of Polysaccharides", VSI, Pune, 2001, pp 52-66
- S. D. Borawake - Importance of lime dose optimization for effective removal of polysaccharides - Proceedings of the Seminar entitled "Improvement in Exhaustibility and Sugar Quality by Elimination of Polysaccharides" , VSI, Pune, 2001, pp 41-51
- S. M. Chavan, S. D. Borawake and S. D. Modak - Importance of controlling the process parameters for the production of good quality plantation white sugar - Proceedings of the Seminar entitled "Manufacture of Internationally Acceptable Plantation White Sugar", VSI, Pune, 2001, pp 35-42
- R. B. Natu - Chemical hazards and safety measures - VSI bulletin, 1(2), 2001, 8-11
- V. S. Dhamankar - Scope for biotechnology in improving the quality of Indian sugar - STAI current scene, 4(14), 2001
- T. K. Balwe, B. B. Gunjal, M. N. Awatade and R. V. Godage - A microcontroller - based device for the measurement of alcohol spent wash - Proceedings of the 63rd Session of STAI, Jaipur, 2001, Coproduct Section : 32-37
- M. N. Awatade, S. A. Kate and T. K. Balwe - An electronic system for detection of entrainment - Proceedings of the 50th (Golden Jubilee) Session of DSTA, Pune, 2001, Manu. Section: M65-M68