

GENERAL

List Of Publications

Papers Published in Research Journals

Ahuja S.L. (2006). Preliminary information on three novel morphological mutants detected in cotton *Gossypium hirsutum*. *Czech J. Genet. Plant Breed.* **42**(1):20

Ahuja, S.L., Dhayal ,L.S. and Monga D (2005). Identification of male sterile strain in American cotton with red pigmented plant body and petal spots. *Indian J. Plant Genet. Resour.* **18**(2).

Anandham, R, Sridar, R, Nalayini,P, Madhaiyan, M, Indira Gandhi, P, Kwan-Ho choi and Tong-min Sa. (2005). Isolation of Sulfur-Oxidising Bacteria from different ecological niches. *Korean J . Soil Sci. Fert.* **38**(4),180-187.

Balasubramani, G., Amudha J., and Mayee C. D. 2005. Genetic transformation of cotton (*G. hirsutum L.*) by *Agrobacterium tumefaciens* and regeneration by direct shoot organogenesis, *Advances in Plant Sciences.* **18** (II) 497-504.

Singh Devendra, Singh Suman Bala and Ahuja S.L. 2006. Screening of cotton genotypes for drought tolerance based on stress susceptibility index. *Journal of Cotton Res .& Dev.* **20**(1): 89-90.

Dhawan AS, Singh Jagvir and Deshmukh MS, 2005.Improving nutrient synergy through integrated nutrient management under rainfed cotton in vertisol. *J. Indian Soc. Cotton Improv.*, 30(3): pp132-140.

Gadade G., Blaise, D. and Rao M.R.K. 2005. Intercropping in cotton in India A review. *Journal of Cotton Res. and Dev.*; **20**:58-63.

Gokte-Narkhedkar N., Lavhe N.V. and

Banerjee S.K. 2005. Factors influencing expression of symptoms in *Corcyra cephalonica* by Entomopathogenic nematode *Heterorhabditis indica*. *Indian Journal of Plant Protection* **33**: 273-276.

Gokte-Narkhedkar N., Lavhe N.V., Panchbhai P.R., Mukewar P.M. and Singh P. 2005. Development of new substrate for mass multiplication of *Heterorhabditis indica* in the control of cotton bollworm *Helicoverpa armigera*. *International Journal of Nematology*, **15**: 191-193.

Hebbar, KB., Gokulpure, PP., Singh, VV., Gotmare, V, Perumal N.K. and Singh P. 2005. Species and genotypic response of cotton (*Gossypium* species) to salinity. *Indian J. Agric. Sci.*, **75**(7): 441-444.

Jeyakumar, P., Jat, M.C., Singh, A., Meena, B.L and Monga, D. 2004. Life table studies of American bollworm *H. armigera* on cotton. *Annals of Plant Protection Sciences*, **13** (2) :467-468.

Kranthi K.R., Dhawad, C.S., Naidu, S, Mate, K., Patil, E. and Kranthi S. 2005. Bt cottonseed as a source of *Bacillus thuringiensis* insecticidal Cry 1Ac toxin for bioassays to detect and monitor bollworm resistance to Bt cotton. *Current Science*, **88**, 796-800.

Kranthi S. Kranthi, K.R, Bharose, A. A and Syed, S.N. 2005. A PCR- RFLP tool to distinguish between *Helicoverpa armigera* and *Helicoverpa assulta*. *Current Science*, **89** (8): 1322-23.

Kranthi K.R., Naidu S., Dhawad C.S., Tatwawadi A., Mate K., Patil E., Bharose A. A., Behere G.T., Wadaskar R.M., and Kranthi S. 2005. Temporal and intra plant variability of Cry 1Ac expression in Bt cotton and its influence on survival of the cotton bollworm, *Helicoverpa armigera* (Hubner) (Noctuidae: Lepidoptera)

Current Science, **89** (2): 191-199.

Meena R.A., Monga D, Rajiv Kumar and Hamid Hassan. 2004. Promising desi cotton (*G. arboreum L.*) germplasm for fibre quality traits and locule retentivity. *Indian Journal of Plant Genetic Resources*. **17** (2):118-20.

Meena R.A., Verma S.K., Ahuja S.L., Tuteja O.P., Koli N.R., Monga D., Jeyakumar P., and P.Singh. (2005) CICR -2 A first ever GMS based desi cotton (*Gossypium arboreum*) hybrid for north zone. *J. Indian Soc. Cotton Improv.*, **30** (2):112-114.

Monga, D., Kumar R., Kumar M. 2005. Detection of DNA A and satellite (DNA beta)in cotton leaf curl virus (CLCuV) infected weeds and cotton plants using PCR technique. *J Cotton Res. & Dev.* **19**: 105-108.

Monga D, Rathore S.S., Kumar R., Kumar M. and Chakrabarty P.K. 2005. Rapid preparation of DNA from *Rhizoctonia solani* and *R bataticola* fungi causing root rot in cotton. *J Cotton Res. Dev.* **19**: 84-87.

Prahraj C.S. and Rajendran T.P. 2005. Long term studies on the irrigated cotton based cropping systems applied with saline bore well water under integrated nutrient supply. *Indian Agriculturist*, **49** (1 & 2): 1-12.

Prakash A.H., Gopalakrishnan N. and Arunkumar A. 2005. Isolation and culture of protoplasts from hypocotyl and cotyledonary explants of Cotton (*Gossypium hirsutum L.*) cv. Sumangala. *J. Indian Soc. Cotton Improv.* **30** (3): 154-159.

Raj Mohan, Amudha J., Balasubramani G., Loknathan T.R and Singh P. 2006. Introgression studies through RAPD markers in Cotton. *The Indus Cottons*, **3**, 1,

Rajendran T. P., Venugopalan M.V. and Prahraj C.S. 2005. Cotton research towards sufficiency

to Indian textile industry. *Indian Journal of Agricultural Science*, **75** (11): 699-708.

Rathinavel, K., Raja K., Chidambaran P. and Natarajan K 2005. Effect of relative humidity levels on physiological and Biochemical changes in cotton seed during storage. *International Journal of Tropical Agriculture*. **23** (1-4): 61-70.

Ravindra Babu V., Singh V.V., Singh P. and Punit Mohan 2005. Studies on salt tolerance in the germplasm of upland cotton (*Gossypium hirsutum L.*). *J. Indian Soc. Cotton Improv.* **30**(2): 94-96.

Rong J, Bowers JE, Schulze SR, Waghmare VN, Rogers CJ, Pierce GJ, Zhang H., Estill JCand Paterson AH. 2005. Comparative genomics of *Gossypium* and *Arabidopsis*: Unraveling the consequences of both ancient and recent polyploidy. *Genome Research*, **15**:1198-1210.

Rong J, Pierce, GJ, Waghmare VN, Rogers CJ, Desai A, Chee PW, May OL, Gannaway JR Wendel, JF, Wilkins, T.A. and Paterson, A.H. 2005. Genetic mapping and comparative analysis of seven mutants related to seed fiber development in cotton. *Theor. Appl. Genet.*, **111**(6): 1137-1146.

Sankaranarayanan K, Solamalai A, and Sankaran N. 2005. Intercropping of legumes in fodder sorghum A review. *Agric. Rev.* **26** (3): 217222.

Singh Jagvir, Blaise D, Rao M.R.K, Punit Mohan, Singh P and Deshmukh, M.S. 2006. Impact of soil depths on yield of Bt. cotton hybrids under rainfed conditions. *Journal of Cotton Res. & Dev.*, **20**(1) : 80-82.

Singh, Devender, Singh, S.B. and Ahuja S.L 2006. Screening of cotton genotypes for drought tolerance based on stress susceptibility index. *Journal. of Cotton Res. & Dev.*,

20(1):89-90

Singh P. and Punit Mohan 2005. Progress and prospects of R&D in diploid (*desi*) cotton on India. *J. Indian Soc. Cotton Improv.* **30**(2); 75-84.

Tanwar, RK, Bambawale OM, Jeyakumar P, Monga D, Dhandapani A, Kanwar V, Sharma OP, Jat MC, Sangle US. and Meena BL. 2006. Validation of farmer participatory IPM approach in irrigated cotton of north India. *The Indus Cottons* **3**:256-261.

Tuteja OP, Monga D, Verma SK, Meena RA, Jeyakumar P, Singh P, Sunil Kumar and Singh Mahendar. 2005. Shresth (CSHH 198)- A quality cotton hybrid for North zone. *J. Indian Soc. Cotton Improv.* **30**:115-120.

Tuteja OP, Sunil Kumar, Hamid Hasan and Singh Mahendar. 2005. Heterosis and inter-relationship between seed-cotton yield and qualitative characters in upland cotton (*Gossypium hirsutum L.*) *Indian J. Agric. Sci.* **75** (3): 169-71.

Tuteja, OP, Singh P, Sunil Kumar and Singh Mahendar. 2005. Identification of fertility restorers for *Gossypium harknessii* based cytoplasmic male sterility system in *Gossypium hirsutum L.* cotton. *Indian J. Genet & Plant Breeding* **65** (2): 143-144.

Tuteja OP, Sunil Kumar, Singh Mahendar and Manoj Kumar 2005. Heterosis in Single cross hybrids of *Gossypium hirsutum L.* in cotton. *Journal of Cotton Res. & Dev.*, **19**: 165-167.

Tuteja OP, Gopal Krishnan N, and Sunil Kumar. 2005. Evaluation of germplasm lines and different cultures of cotton (*G. hirsutum*) for identifying the sources of high oil content. *Journal of Cotton Res. Dev.*, **19**: 168-169.

Tuteja OP. Sunil Kumar, Singh Mahendar and Hamid Hasan. 2005. Heterosis in GMS based

intra-hirsutum hybrids (*Gossypium hirsutum L.*) for fibre quality characters. *J. Indian Soc. Cotton Improv.* **30**: 47-52.

Tuteja OP, Verma S. K., Monga D and Singh P. 2005. A new genetic male sterile line of Desi cotton (*Gossypium arboreum L.*). *Indian J. Genet & Plant Breeding*; **65** (2): 145-46.

Tuteja OP, Sunil Kumar, Singh Mahendar and Puneet Luthra. 2006. Heterosis for seed cotton yield and fibre quality characters in *G. hirsutum L.* *Journal of Cotton Res. Dev.*; **20**: 48-50.

Santhy V, Vijayakumari PR, and Deshmukh RK. 2005. Enhancement measures of seed quality in cotton *J. Indian Society for Cotton Improv.* **30**, (1): 21-32.

Verma SK, Tuteja OP, Kumar S, Ahuja SL, Parkash R, Niwas R. and Monga D. 2006. Heterosis for seed cotton yield and its qualitative characters of *Gossypium hirsutum L.* in cotton. *Journal of Cotton Res. & Dev.* **20**: 14-17.

Verma SK, Tuteja OP, Ahuja SL, Singh Jal, Koli NR, BM Khadi, LA Deshpande, and Monga D. 2005. Identification of potential combiners and combinations from ecological diverse genotypes of Asiatic cotton (*G. arboreum L.*). *J. Indian Soc. Cotton. Improv.*; **30**(1):39-46

Verma SK, Bhatia Pankaj, Bhutani Seema, Jain RK. and Chowdhury V.K, 2005. *In vitro* studies on callus induction and plant regeneration in varieties and hybrids of upland cotton growing in North India. *J. Indian Sco. Cotton Improv.*, **30**(2): 97-104.

Waghmare VN, Rong J, Rogers CJ, Pierce GJ, Wendel JF. and Paterson AH. 2005. Genetic mapping of a cross between *Gossypium hirsutum* (cotton) and the Hawaiian endemic, *G. tomentosum*. *Theoretical and Applied Genetics* **111**(4): 665-676.