

## 11.1 : List of Publications

## Papers Published in Research Journals

- Acharya L., Mukherjee A.K. and Panda P.C.(2010). Validation of generic status of different taxa in the subtribe Cassiinae (*Leguminosae* : *Caesalpinoidae*) using RAPD, ISSR and AFLP markers. *Int. J. Plant Physiol. Biochem.* 2(2) 18-28.
- Ahuja L (2010). Research and development on cotton during and after the Indian –supported agricultural developemnt project in Senegal. *Outlook on Agriculture* 39:211-215.
- Amudha J., Balasubramani G., Malathi D., Monga D., Bansal K.C. and Kranthi K.R. (2010). Cotton transgenics with antisense ACI gene for resistance against cotton leaf curl virus. *Electronic Journal of Plant Breeding.* 1(4): 360-369.
- Amutha M., Banu J. Gulsar, Surulivelu T. and Gopalakrishnan N. (2010). Effect of commonly used insecticides on the growth of white muscardine fungus, *Beauveria bassiana* under laboratory conditions. *Journal of Biopesticides*, Vol.3. No.1. 143-146.
- Atul D. Pakhan, S. Chatterji, T. K. Sen, M.V. Venugopalan, S. Patil and O. Challa (2010). Use of different techniques in evaluation of suitability of shrink-swell soils of Nagpur district, Maharashtra for rainfed sorghum. *Journal of the Indian Society of Soil Science.* Vol. 58, No. 1, 117-124.
- Banu J.G., Surulivelu T, Amutha M and Gopalakrishnan N. (2010). Susceptibility of different developmental stages of the cotton mealy bug, *Paracoccus marginatus* (Williams and Granara de Willink) to entomopathogenic fungi. *Annals of Plant Protection Sciences*, Vol. 18(1), 247-248.
- Banu J.G., Surulivelu T, Amutha M. and Gopalakrishnan N. (2010). Laboratory evaluation of insecticides and biopesticides against *Phenococcus solenopsis* and *Paracoccus marginatus* infesting cotton. *Journal of Biopesticides* 1(1): 343-346.
- Bisoyi M.K., Acharya L., Mukherjee A.K., and Panda P.C. (2010). Study of inter - specific relationship in six species of *Sesbania Scop.* (*Leguminosae*) through RAPD and ISSR markers. *Int. J. Plant Physiol. Biochem.* 2(2) 11-17.
- Dhamayanthi K. P. M., Manickam S. and Rathinavel K. (2010). Genetic variability studies in *Gossypium barbadense* L. genotypes for seed cotton yield and its yield components. *Electronic Journal of Plant Breeding*, 1(4): 961-965.
- Dongre A. B., Ramteke D. M., Bhandarkar M. R., Raut M. P. and Meshram K. J. (2011) 'Genetic diversity analysis of *G. arboreum* (diploid cotton) varieties revealed by PCR based molecular markers', in the *Journal of Cotton Research and Development*, 25(1) 1-8.
- Dongre A. B. and Raut Mamta (2010) 'Molecular evaluation of cotton working germplasm using DNA markers'. *Cotton Research Journal*, Vol. 1 No.2:174-219.
- Gajbhiye Archana Y., Rai Alok R., Meshram Sudhir U. and Dongre A. B. (2010), Isolation, evaluation and characterization of *Bacillus subtilis* from cotton rhizospheric soil with biocontrol activity against *Fusarium oxysporum*, *World Journal of Microbiology and Biotechnology* 26:1187-1194.
- Galkate U.V. and Rokde S.N. (2010). Effect of dietary aflatoxin on certain egg production and quality parameters in White Leghorn Layers. *Animal Nutrition and Feed Technology Journal*, Vol. 10:121-126.
- Gavane P.M., Zinjarde R.M. and Rokde S.N.(2010). Studies on preparation of *shrikhand* blended with custard apple pulp-a novel fermented milk product. *Indian Journal of Dairy Science.* 63(1): 11- 15.
- Gopalakrishnan, N., Prakash, A.H. and Balachandran, Y.L. (2010). Differential metabolic and rapd expression during early fibre development in normal and its lintless mutant of cotton (*Gossypium hirsutum* L.). *Indian Journal of Plant Physiology*, 15(4): 373-377
- Gotmare Vinita, Waghmare V. N. and Punit Mohan. (2010). Marker assisted gene pyramiding for multi-adversity resistance. *Cotton Research Journal.* 1(2), 143-173.
- Gotmare Vinita and Punit Mohan (2010). Introduction and establishment of *Gossypium darwinii* (AD5) in India – A tetraploid wild species. *Indian Journal of Plant Genetic Resources*, 43: 246.
- Hebbar K.B., Venugopalan M.V., Dawale M. and Rao M.R.K. (2010). Comparative performance of a rainfed cotton variety and hybrid under late sown condition. *Indian Journal of Plant Physiology*, 15 (1). 61-64.
- Hebbar K.B., Venugopalan M.V., Ray S .K., Blaise D. and Gokulpure P.P. (2010). Differential response of cultivated cotton species (*Gossypium* Species) to salinity. *GEOBIOS*, 37: 3-8
- Jeyarani S., Banu J.G. and Ramaraju K. (2011). First record of natural occurrence of *Cladosporium cladosporioides* (Fresenius) de Vries and *Beauveria bassiana* (Bals. – Criv.)Vuil on Two spotted spider mite , *Tetranychus urticae* Koch from Indian. *Journal of Entomology*, 8 (3):274-279.
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- Manickam S., Prakash A. H. and Gopalakrishnan N. (2010). Identification of isogenic 'naked-tufted' seed coat mutants in cotton. *Electronic Journal of Plant Breeding*, 1(4): 953-955.

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- Mukherjee, A.K., Carp, M.J., Zuchman, R., Ziv, T., Horwitz B.A. and Gepstein S., (2010). Proteomics of the response of *Arabidopsis thaliana* to infection with *Alternaria brassicicola*. *J. Proteomics.* 73:709-720. Doi.: 10.1016/j.jprot.2009.10.005.
- Mukherjee, A.K., Mohapatra, N.K. and Nayak, P. (2010). Estimation of area under the disease progress curves in a rice blast pathosystem from two data points. *European Journal of Plant Pathology*, 127:33-39. DOI:10. 1007/s10658-009-9568-2.
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- Patra, A.P., Mukherjee, A.K. and Acharya, L. (2011). Comparative Study of RAPD and ISSR Markers to Assess the Genetic Diversity of Betel Vine (*Piper betle* L.) in Orissa, India. *Am. J. Biochem. Mol Biol.*1(2) 200-211. DOI 10.3923/ajbmb.2011.200.211.
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- Praharaj C.S., Sankaranarayanan K., Gopalakrishnan N. and Rajendran T. P. (2010). Agronomic option for higher crop growth, yield, soil fertility in upland cotton (*Gossypium hirsutum*) through *in-situ* management of plant waste in south zone. *Indian Journal of Agricultural Sciences*, 80 (4): 298-305.
- Praharaj, C.S., K. Sankaranarayanan and N. Gopalakrishnan 2010. Improvement in Agro-technologies for pest free Quality fibre Production in Cotton - A Review on Indian Context. *Journal Indian Soc. Cotton Improv.* 34 (1):1-16.
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- Rakshit Arunita, Rakshit S., Santhy V., Gotmare V. P., Mohan P., Singh V.V., Singh S., Balyan H. S., Gupta P.K. and Bhat S. R. (2010). Evaluation of SSR markers for the assessment of genetic diversity and fingerprinting of *Gossypium hirsutum* accessions. *Journal of Plant Biochemistry & Biotechnology* Vol. 19(2), 153-160.
- Rokde S.N., Zinjarde R.M., Ingole A.S., Atkari M.V. and Pawar R. V.. (2010) Abnormal behavior of crossbred calves under different housing systems and sex on ingestive. *PKV Research Journal* 34(1):131-136.
- Sabesh M., and Gopalakrishnan N. (2010) Application of Information and Communication Technology in Cotton Farming. *Cotton Research Journal*, 1(2): 220-232.
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- Sankaranarayanan. K., C.S. Praharaj., P. Nalayini K. K. Bandyopadhyay and N. Gopalakrishnan. (2010). Low cost drip – aptness and viability as a precision irrigation tool in Bt cotton (*Gossypium hirsutum* L.) cultivation. *Indian Journal of Agronomy*, 55 (4):59-65
- Sankaranarayanan, K., C.S.Praharaj, P. Nalayini and N. Gopalakrishnan 2011. Grain legume as a doable remunerative intercrop in rainfed cotton. *Journal of Food Legumes*, 24 (1): 18-23.
- Sapkal D.R., Sutar S.R., Thakre P.B., Patil B.R., Paterson A.H. and Waghmare V.N. (2011). Genetic diversity analysis of maintainer and restorer accessions in upland cotton (*Gossypium hirsutum* L.). *J. Plant Biochem. & Biotech*, 20(1) :20-28.
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- Tayade U.D., Zinjarde R.M., Rokde, S.N. and Ingole A.S.. (2010). Phenotypic characteristics of Gaolao strain of Nagpuri buffaloes in Wardha district of Maharashtra. *Indian Journal of Animal Sciences*, 80 (1) : 65-67.
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management based interventions in rainfed cotton production system. Indian Journal of Fertiliser, 7(3) 12-17.

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- Usha Rani, S and Selvaraj, G. (2010) Impact of Bt cotton Technology on Cotton Farming and on cotton farmers – An Empirical Analysis. Journal of Extension Education, Vol.22, No.3, 4472 - 4479.
- Usha Rani, S and Selvaraj, G. (2010) Performance of Bt cotton – evaluation of farmer's experiences with empirical evidences. Journal of Extension Education, Vol.22, No.2, 4431 - 4436.
- Usha Rani, S and Selvaraj, G. (2009) Empirical Analysis of Adoption and Impact of Bt cotton Cultivation in Cotton Production Systems of Tamil Nadu, India. Agricultural Situation in India, Vol. LXVI, No. 9, 545 – 552.
- Venugopalan M.V., Tiwary P., Mandal D.K. and Challa O. (2010). Validation and application of WOFOST model for yield gap analysis in selected soils of Maharashtra. Agropedology, 20(1) 30-37.
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Sciences, 80 (4) : 287-92.

- Vijaya Kumari P.R., Santhy V., Virkhede Sonali V. and Lanjewar Manjusha (2010). Relative response of germplasm lines towards PEG induced drought stress during germination in Cotton (*Gossypium hirsutum* L. and *G. arboreum* L. Indian Journal of Plant Genetic Resources 23(3) (1067).

#### Technical Bulletins

1. Gopalakrishnan N., Usha Rani S., Shankaranarayanan K., Sabesh M. and Dharajothi B. (2010) Innovations in Cotton Cultivation – an outlook (Tamil). Technical Bulletin No.2/2010. CICR, Regional Station, Coimbatore.
2. Usha Rani S., Sabesh M., Shankaranarayanan K. and Gopalakrishnan N. (2010) Frequently Asked Questions in Cotton (Tamil). Technical Bulletin No. 1/2010. CICR, Regional Station, Coimbatore.
3. Gopalakrishnan N., Manickam S., Sabesh M. and Usha Rani S., (2010). All India Coordinated Cotton Improvement Project – In the Service of Indian Cotton Farmers -Technical Bulletin, CICR, Regional Station, Coimbatore.
4. Sankaranarayanan K., Manickam S., Nalayini P., Sabesh M. and Gopalakrishnan N. (2010). Innovative Production Technologies for ELS Cotton, Technical Bulletin No. 3/2010, Central Institute for Cotton Research, Regional Station, Coimbatore.
5. V.S. Nagrare, Sandhya Kranthi, Rishi Kumar, B. Dhara Jothi, M. Amutha, A.J. Deshmukh, K.D. Bisane and K.R. Kranthi "Compendium of Cotton Mealybug" by CICR publication, 2011/1.

