

# 10. General

## 10.1 List of Publications

### Papers Published in Research Journals

1. Amudha J, Balasubramani G. and Monga D. (2012). Inheritance and identification of molecular markers linked to leafcurl virus resistance gene in cotton. *Cotton Research Journal* 3(1):33-39. **(NAAS Rating : 2.6)**
2. Amutha , M. and Banu, J.G. (2012). Compatibility of *Metarhizium anisopliae* and *Verticillium lecanii* with insecticides. *Annals of Plant Protection Sciences* 20(2): 354-357. **(NAAS Rating : 3.7)**
3. Amutha , M. and Banu, J.G. (2011). Susceptibility of cotton mealy bugs , *Phenacoccus solenopsis* and *Paracoccus marginatus* at different developmental stages to entomopathogenic Fungi. *Indian J. Plant Protection* 39(3): 242- 246. **(NAAS Rating : 4.3)**
4. Andrew H. Paterson, Vijay N. Waghmare et al. (2012). Repeated polyploidization of *Gossypium* genomes and the evolution of spinnable cotton fibres. *Nature*, 492 (7429): 423 DOI: 10.1038/nature11798. **(NAAS Rating : 10.0)**
5. Banu, J.G. (2012). Effect of nutrition on the growth and sporulation of *Lecanicillium lecanii*. *Insect Environment* 17(3): 117-119. **(NAAS Rating : 2.9)**
6. Banu, J.G. (2011). Life table for reniform nematode , *Rotylenchulus reniformis* on cotton. *Current Nematology* 22(1, 2):5-10. **(NAAS Rating : 3.0)**
7. Behere, G.T., Wee Tek Tay, Russell, D.A., Kranthi, K.R. and Batterham , P (2013). Population Genetic Structure of the Cotton Bollworm *Helicoverpa armigera* (Hübner) (Lepidoptera: Noctuidae) in India as inferred from EPIC-PCR DNA Markers. *PLOS Volume 8* (1) e53448. **(NAAS Rating : 8.1)**
8. Chakrabarty P. K., Kalbande B. B., Chavhan R. L., Sable, Narwade, A., Sable, Suchitra, Warade, J. W. , Nandeshwar, S.B., Monga, D. 2012. Engineering Cotton Leaf Curl Virus Resistance Cotton through RNA Interference Approach. *Cotton Research Journal* 3(2): 174-192. **(NAAS Rating : 2.6)**
9. Chavhan, R.L., Hinge, V.R., Chakrabarty, P.K. and Patil, H.B. 2012. Molecular Characterization of six Fungal Pathogens Associated with Leaf Spot and Blight Diseases of Sunflower. *J Mycol Plant Pathol.* 42: 207-212. **(NAAS Rating : 3.8)**
10. Dongre, A. B., Raur, M.P., Meshram, K. J., Punit Mohan and Munne, K. K. (2012). Genetic diversity of tetraploid and diploid cotton cultivars revealed by rapid markers. *Annals of Plant Physiology*, 25 (1): 56-62. **(NAAS Rating : 2.9)**
11. Kumar, R., Kranthi, S., Nitharwal, M., Jat, S L and Monga, D (2012). Influence of pesticides and application methods on pest and predatory arthropods associated with cotton. *Phytoparasitica*, 40:417-424. **(NAAS Rating : 7.0)**
12. Kumar, R., Monga, D., Jat, S L., Indoria, A K., Chauhan, R and Kranthi, K R (2012). Impact evaluation of insecticide resistance management strategies in Cotton under Technology Mission on Cotton (*Gossypium hirsutum*). *Indian J. Agril. Sci.*, 82:852-857. **(NAAS Rating : 6.6)**
13. Mukherjee, A.K., Chahande, P.R., Meshram, M.K., and Kranthi, K.R. (2012). First report of *Polevirus* of the family *Luteoviridae* infecting cotton in India. *New Disease Reports*, 25:2. (Published by The British Society of Plant Pathologists, UK).
14. Nagrare V.S., Rishi Kumar, Amutha M., Dharajothi B., Kranthi S., Vennila S., Deshmukh A.J., Bisane K.D., Manjula, Kranthi K.R. (2012). A record of host plants of mealybug, *Phenacoccus solenopsis* Tinsley for devising eco-friendly management strategies. *J. ent. Res.*, 36 (4): 327-344 **(NAAS Rating : 3.9)**
15. Nalayini, P, Shankarnarayanan, K and Velmourougane, K. (2013). Herbigation in cotton: Effects on weed control, soil microflora and succeeding green gram. *Indian Journal of Agricultural Sciences.*— in press **(NAAS Rating : 6.6)**
16. Nalayini, P., S. Paul raj and K. Sankaranarayanan. 2012. Drip fertigation of major, secondary and micronutrients for enhancing the productivity of extra long staple Bt Cotton. *J. Cotton Research. Dev.* 26(2) 186-189. **(NAAS Rating : 4.3)**
17. Nalayini, P., S. Paul raj and K. Sankaranarayanan.

2012. Water use efficiency, nutrient uptake and production potential of extra long staple Bt cotton – maize system with moisture conservation techniques and ET based irrigation. *J.Cotton Research. Dev.* 27 (1): 45–49. **(NAAS Rating : 4.3)**
18. Padmalatha KV, Patil DP, Kumar K, Dhandapani G, Kanakachari M, Phanindra ML, Kumar S, Mohan TC, Jain N, Prakash AH, Vamadevaiah H, Katageri IS, Leelavathi S, Reddy MK, Kumar PA, Reddy VS. (2012). Functional genomics of fuzzless-lintless mutant of *Gossypium hirsutum* L. cv. MCU5 reveal key genes and pathways involved in cotton fibre initiation and elongation. *BMC Genomics*. 2012 Nov 14;13:624. DOI: 10.1186/1471-2164-13-624. **(NAAS Rating : 8.1)**
  19. Raju, A.R., Thakare, Soniya Majumdar, G. and Bharambe, P.R. (2013). Risk aversion in shallow soils with innovative intercropping systems. *Journal of Cotton Research and Development* 27 (1) 37-44. **(NAAS rating: 4.5)**
  20. Rathinavel K., Deshmukh R.K. and Vijaya Kumari P.R. (2012) Control of Planting Seed Deterioration Through post Harvest Management” *Cotton Research Journal* (3) 213-227. **(NAAS Rating : 2.6)**
  21. Reddy AR, Alexander S, Yelekar SM, Narala A (2012). Analysis of growth and instability of cotton production in Maharashtra. *Journal Cotton Research and Development*, 26(2): 261-266. **(NAAS Rating : 4.3)**
  22. Rokde, S.N. (2012). Performance of Osmanabadi goats under feeding of Bt and Non-Bt cotton leaves. *Cotton Research Journal* 3(2): 135-141. **(NAAS Rating : 2.6)**
  23. Sankaranarayanan, K., Nalayini P, Praharaj, C.S. (2012). Multi-tier cropping system to enhance resource utilization, profitability and sustainability of Bt cotton (*Gossypium hirsutum*) production system. *Indian Journal of Agricultural Sciences* 82(12):1044-50. **(NAAS Rating : 6.6)**
  24. Singh J, Babar S, Abraham S, Venugopalan MV, Majumdar G (2012). Fertilization of high density rainfed cotton, grown on Vertisols of India. *Better Crops*, 96(2): 26-30.
  25. Singh Suman Bala, Prakash AH, Kranthi KR (2012). CNH 301 (IC0587405; INGR11061), a Cotton (*Gossypium hirsutum*) Germplasm with Drought Tolerant Nature and Yield Stability. *Indian Journal of Plant Genetic Resources*, 26(1): 99. **(NAAS Rating : 3.0)**
  26. Srinivasa, Rao, Ch., Blaise, D., Venugopalan, M.V., Patel, K.P., Biradar, D.P., Aladakatti, V.R., Marimuthu, S., Buttar, G.S., Brar, M.S., Ratnakumari, S. and Reddy, V.C. (2012). Soil fertility management strategies for maximizing cotton production of India. *Indian Journal of Fertilisers* 8(12): 80-95. **(NAAS Rating : 3.8)**
  27. Surulivelu, T., Banu, J.G., Sonai Rajan, T., Dharajothi, B. and Amutha, M. (2012). Evaluation of fungal pathogens for the management of mealybugs in Bt cotton. *J. Biol. Control*. 26(1):91-96.
  28. Velmourougane, K and Apeksha Sahu. (2013). Impact of transgenic cottons expressing *cry1Ac* on soil biological attributes. *Plant, Soil and Environment*. 59 (3), 108-114. **(NAAS rating: 7.5)**
  29. Velmourougane, K, Venugopalan M.V, Bhattacharyya T, Dipak Sarkar, Pal D.K, Apeksha Sahu, Chandran P, Ray S.K, Mandal Champa, Nair K.M, Jagdish Prasad, Singh R.S, Pramod Tiwary. (2013). Urease activity in various agro-ecological sub regions of black soil regions of India. *PNAS, India, Sec. B Biol. Sci*, DOI 10.1007/s40011-013-0162-1. **(NAAS rating: 6.3)**
  30. Velmourougane, K, Venugopalan M.V, Bhattacharyya, T Sarkar, Dipak, Lal, D.K., Sahu, Apeksha, Ray, S.K, Nair, K.M, Prasad Jagdish, Singh, R.S. (2013). activity in agro-ecological sub regions of black soil regions in India. *Geoderma*, (197-198): 186-192. **(NAAS rating: 7.7)**
  31. Venugopalan MV, Blaise D, Yadav MS and Vandana Satish (2012). Advances and milestones in agronomic research in cotton in India. *Ind J Agron* (special issue), 57:71-78 **(NAAS Rating : 5.0)**
  32. Venugopalan MV, Rachana Deshmukh, Hebbar KB, Tandulkar NR (2012). Productivity and nitrogen-use efficiency yardsticks in conventional and Bt cotton hybrids on rainfed Vertisols. *Ind Journal Agric Sci.*, 82 (7) 641-644. **(NAAS Rating : 6.6)**
  33. Wasnik S. M, Raju AR, Palve S.M, Mujumdar G & Parwate P.P (2013). Technology Interventions Performance under front-line demonstrations in Bt hybrid cotton (*G. hirsutum* L). *Journal Cotton Research and Development*, 27(1) 126-133. **(NAAS Rating : 4.3)**