

Annexure 30A
List of Books and Book Chapters by TNAU faculty

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5. Anandaraja. N., Sriram, N., Shibi Sebastian and D. Periyar Ramasamy. 2011. Farm technologies through interactive multimedia: A multi-stake holders' perspective analysis. **In:** Information and Communication Technologies for Agriculture and Rural Development. (Eds. R. Saravanan, C. Kathiresan, and T. Indhra Devi). New India Publishing Agency, New Delhi. ISBN13: 978-9-3802-3588-2.
6. Anandhi, P and Sankarapandian, R., 2013. IPM module for sorghum pest management; book chapter on "Sorghum cultivation" A compendium of improved technologies Pp: 105. 2013. ISBN No. 89-335-41-3.
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9. **Angles. S** and K. Mani, 2017, Credit Institutions- National Bank for Agriculture and Rural Development and Commercial Banks, Book on Agricultural Technologies - Part II (Tamil), Edited by Malarkodi M and P. Santhi, Open and Distance Learning, Published by: TNAU Press, TNAU, Coimbatore -3. PP:159-164, ISBN No: 978-93-83799-65-7.
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12. Arulmozhiselvan, K., M. Elayarajan and S. Sathya. 2013. Lessons learnt from Long term fertilizer experiment. Velan Ariviyiyal. All India Scientific Tamil Society, Tanjavur. pp.300-305. ISBN: 9789387702565.
13. Ashok Kumar, G., V. Ponnuswami and S.T. Bini Sundar. 2011. Mutation breeding in paprika (*Capsicum annuum* L.). Influence of physical and chemical mutagens on paprika (*Capsicum annuum* L.). LAP Lambert Academic Publishing, Germany. pp: 227. ISBN-978-3-8465-2263-9
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33. Durairasu, P., K.T.Parthiban, I. Sekar., K. Kumaran, M.R. Backiavathy, S. Umesh Kanna, P. Rajendran, A. Vidhyavathi, D. Saravana kumar, S. Radhakrishnan, K. Baranidharan and M. Sivaprakash. 2013. TNPL Plantations Environmental Impact Assessment. Forest College and Research Institute, Tamil Nadu Agricultural University. Mettupalayam-641301.
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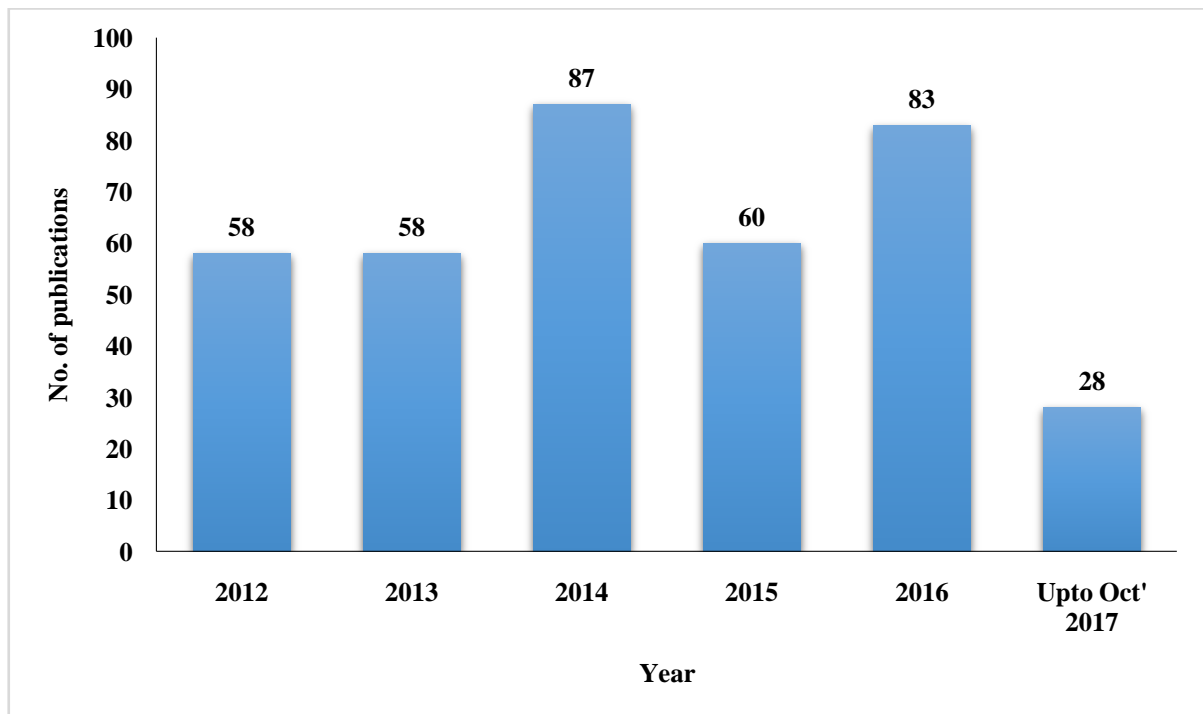
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263. Vijay Selvaraj K.S., Mohandas S., Bharathi A., and P. Balasubramani. 2013. Rose Production technology (in Tamil), Horticultural Science, ISBN: 978-93-80147-05-01.

Annexure 30B

List of Publications made by TNAU Faculty during Jan'2012 to October'2017(NAAS rating \geq 7.0)

Overview of TNAU Publications with NAAS rating \geq 7.0 (2012-October'2017)



Total No. of Publications with NAAS rating \geq 7.0 = 431

Publications with NAAS rating ≥ 7.0 during 2012

1. Anandan, R., Sudhakar, D., Balasubramanian, P., GutierrezMora, A. 2012. In vitro somatic embryogenesis from suspension cultures of *Carica papaya* L. **Scientia Horticulturae**. **136** 43 - 49 (NAAS Rating: 7.54)
2. Anandana, A. and P. Arunachalam. 2012. Relative proportion of antioxidative enzyme activity in locally grown Indian rice cultivars (*Oryza sativa* L.) under submergence condition. *Journal of Plant Interactions*, 7 (2) : p. 183 - 193. (NAAS Rating:-7.19)
3. Bae, Y.J., Wu, J., Lee, H.J., Jo, E.J., Murugaiyan, S., Chung, E., Lee, S.W. 2012. Biocontrol potential of a lytic bacteriophage PE204 against bacterial wilt of tomato. **Journal of Microbiology and Biotechnology**. **22 (12)**: 1613 - 1620 (NAAS Rating: 7.69)
4. Bhat, G.S., Jagannathan, R. 2012. Moisture depletion in the surface layer in response to an annular solar eclipse. **Journal of Atmospheric and Solar-Terrestrial Physics**. **80** 60 - 67 (NAAS Rating: 7.46)
5. Carrera, S.G., Davis, H., AguirreRojas, L., Murugan, M., Mike Smith, C. 2012. Multiple categories of resistance to wheat curl mite (Acari: Eriophyidae) expressed in accessions of *aegilops tauschii*. **Journal of Economic Entomology**. **105 (6)**: 2180 - 2186 (NAAS Rating: 7.61)
6. Cibichakravarthy, B., Preetha, R., Sundaram, S.P., Kumar, K., Balachandar, D. 2012. Diazotrophic diversity in the rhizosphere of two exotic weed plants, *Prosopis juliflora* and *Parthenium hysterophorus*. **World Journal of Microbiology and Biotechnology**. **28 (2)**: 605 - 613 (NAAS Rating: 7.53)
7. D'Cruz SC, Jubendradass R, Jayakanthan M, Rani SJ , and Mathur PP 2012 Bisphenol A impairs insulin signaling and glucose homeostasis and decreases steroidogenesis in rat testis: An in vivo and in silico study. **Food and Chemical Toxicology**, **50(3-4):1124-1133**. (NAAS Rating: 9.58)
8. Dwivedi, N, Jain, V., Sujatha K.B., Banerjee, G., Baig, M.J, Swain, P., Bagchi T.B, Das .A., Sairam, R.K, Sharma, S.G. and Uprety, D.C. 2012. Response of elevated CO₂ on biochemical and grain quality characteristics of rice cultivar in Free Air Carbondioxide Enrichment (FACE technology). *Journal of Plant Biology*, 38-39:178-182. (NAAS Rating 7.67)
9. E, J., R, V., T, J.Z. 2012. Quality of dry ginger (*Zingiber officinale*) by different drying methods. **Journal of Food Science and Technology**. **51 (11)**: 3190 - 3198 (NAAS Rating: 7.24)
10. Farr, G., Sudhakar, D., Naqvi, S., Sandmann, G., Christou, P., Capell, T., Zhu, C. 2012. Transgenic rice grains expressing a heterologous I^{\bullet} -hydroxyphenylpyruvate dioxygenase shift tocopherol synthesis from the I^3 to the I^{\pm} isoform without increasing absolute tocopherol levels. **Transgenic Research**. **21 (5)**: 1093 - 1097 (NAAS Rating: 8.05)
11. GÃmezGalera, S., Sudhakar, D., Pelacho, A.M., Capell, T., Christou, P. 2012. Constitutive expression of a barley Fe phytosiderophore transporter increases alkaline soil tolerance and results in iron partitioning between vegetative and storage tissues under stress. **Plant Physiology and Biochemistry**. **53** 46 - 53 (NAAS Rating: 8.93)
12. Hepowit, N.L., Uthandi, S., Miranda, H.V., Toniutti, M., Prunetti, L., Olivarez, O., De Vera, I.M.S., Fanucci, G.E., Chen, S., MaupinFurlow, J.A. 2012. Archaeal JAB1/MPN/MOV34 metalloenzyme (HvJAMM1) cleaves ubiquitin-like small archaeal

- modifier proteins (SAMPs) from protein-conjugates. **Molecular Microbiology. 86 (4):** 971 - 987 (NAAS Rating: 9.76)
13. Jothibasur, K., Chinnadurai, C., Sundaram, S.P., Kumar, K., Balachandar, D. 2012. Molecular profiling of rhizosphere bacterial communities associated with *prosopis juliflora* and *Parthenium hysterophorus*. **Journal of Microbiology and Biotechnology. 22 (3):** 301 - 310 (NAAS Rating: 7.69)
 14. Kale, V.D., Walunj, A.R., Battu, R.S., Sahoo, S.K., Singh, B., Paramasivam, M., Roy, S., Banerjee, T., Banerjee, H., Rao, C.S., Reddy, D.J., Reddy, K.N., Reddy, C.N., Tripathy, V., Jaya, M., Pant, S., Gupta, M., Singh, G. and Sharma, K.K. (2012). Assessment of flubendiamide residues in pigeon pea in different agro-climatic zones of India. *Environmental Monitoring and Assessment*, 184 (7): 4267-4270. (Impact factor 7.5)
 15. Kandasamy, P., Varadharaju, N., Kalemullah, S., Maladhi, D. 2012. Optimization of process parameters for foam-mat drying of papaya pulp. **Journal of Food Science and Technology. 51 (10):** 2526 - 2534 (NAAS Rating: 7.24)
 16. Kandasamy, K, N. **Varadharaju**, S. Kalemullah and D. Malathi. 2012 Optimization of process parameters for foam-mat drying of papaya pulp. **Journal of Food Science and Technology.** (NAAS Rating: 7.24)
 17. Kasirajan, S., Ngouajio, M. 2012. Polyethylene and biodegradable mulches for agricultural applications: A review. **Agronomy For Sustainable Development. 32 (2):** 501 - 529 (NAAS Rating: 10.14)
 18. Kavitha, P.G., Jonathan, E.I., and **Nakkeeran**, S. Lipopeptide antibiotics of bacillus subtilis in the management of root-knot nematode *Meloidogyne incognita* in noni - *Morinda citrifolia* 2012 Journal of Nematology 44 (4), 471-471 (NAAS Rating: 7.33)
 19. Krishnamurthy, L and Zaman-Allah, M and **Marimuthu, S** and Wani, S P and Kesava Rao, A V R 2012 Root growth in Jatropha and its implications for drought adaptation **Biomass & Bioenergy 39: 247-252.** (NAAS Rating: 9.25)
 20. Krishnaswamy, K., Orsat, V., Thangavel, K. 2012. Synthesis and characterization of nano-encapsulated catechin by molecular inclusion with beta-cyclodextrin. **Journal of Food Engineering. 111 (2):** 255 - 264 (NAAS Rating: 9.2)
 21. Kumar, A., Verulkar, S.B., Mandal, N.P., Variar, M., Shukla, V.D., Dwivedi, J.L., Singh, B.N., Singh, O.N., Swain, P., Mall, A.K., Robin, S., Chandrababu, R., Jain, A., Haefele, S.M., Piepho, H.P., Raman, A. 2012. High-yielding, drought-tolerant, stable rice genotypes for the shallow rainfed lowland drought-prone ecosystem. **Field Crops Research. 133** 37 - 47 (NAAS Rating: 8.93)
 22. Ladhakshmi, D. G.S. Laha, Ram Singh, A. Karthikeyan, S.K. Mangrauthia, R. M. Sundaram, P. Thukkaiyannan and B.C. Viraktamath 2012 Isolation and characterization of *Ustilaginoidea virens* and survey of false smut disease of rice in India **Phytoparasitica** (NAAS Rating: 7.03)
 23. Manikantan, M.R., Sharma, R., Kasturi, R., Varadharaju, N. 2012. Storage stability of banana chips in polypropylene based nanocomposite packaging films. **Journal of Food Science and Technology. 51 (11):** 2990 - 3001 (NAAS Rating: 7.24)
 24. Nithya, K., Bukhari, K.A.I.M., Valluvaparidasan, V., Paranidharan, V., Velazhahan, R. 2012. Molecular detection of Colletotrichum falcatum causing red rot disease of sugarcane (*Saccharum officinarum*) using a SCAR marker. **Annals of Applied Biology. 160 (2):** 168 - 173 (NAAS Rating: 8.1)
 25. Palanisami, K., Giordano, M., Kakumanu, K.R., Ranganathan, C.R. 2012. The stabilization value of groundwater: Evidence from Indian tank irrigation systems [La valeur de stabilisation de l'eau souterraine: Preuves tirées des systèmes d'irrigation

- indiens par retenues collinaires]. **Hydrogeology Journal**. **20 (5)**: 933 - 941 (NAAS Rating: 8.03)
26. Panigrahi, G.K., Maheshwari, R., Kumar, S., Prabakaran, J. 2012. In vitro and in vivo antifungal activity of *Cassia laevigata*: A lesser known legume. **International Journal of Pharmacy and Pharmaceutical Sciences**. **4 (SUPPL.3)**: 206 - 210 (NAAS Rating: 8.33)
 27. Paramasivam, M., Banerjee, H. 2012. Degradation dynamics of flubendiamide in different types of soils. **Bulletin of Environmental Contamination and Toxicology**. **88 (4)**: 511 - 514 (NAAS Rating: 7.19)
 28. Paramasivam, M., Banerjee, H. 2012. Persistence and dissipation of the insecticide flubendiamide and its metabolite desiodo flubendiamide residues in tomato fruit and soil. **Bulletin of Environmental Contamination and Toxicology**. **88 (3)**: 344 - 348 (NAAS Rating: 7.19)
 29. Paramasivam, M., Kavitha, J., Chandrasekaran, S. 2012. Persistence behaviour of thiocloprid residues in/on green tea leaves, processed tea and tea infusion. **Bulletin of Environmental Contamination and Toxicology**. **89 (3)**: 602 - 605 (NAAS Rating: 7.19)
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Publications with NAAS rating \geq 7.0 during 2015

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 23. Manivannan, A., C. R. Anandakumar, R. Ushakumari and G. S. Dahiya 2015 Characterization of Indian clusterbean (*Cyamopsis tetragonoloba* (L.) Taub.) genotypes using qualitative morphological traits. **Genet Resour Crop Evol** .**62** (4) (NAAS Rating: 7.26)
 24. Masand, M., Jose, P.A., Menghani, E., Jebakumar, S.R.D. 2015. Continuing hunt for endophytic actinomycetes as a source of novel biologically active metabolites. **World Journal of Microbiology and Biotechnology**. **31** (12): (NAAS Rating: 7.53)

25. Muthukrishnan, S.D., Kaliyaperumal, A., Subramaniyan, A. 2015. Identification and determination of flavonoids, carotenoids and chlorophyll concentration in *Cynodon dactylon* (L.) by HPLC analysis. **Natural Product Research. 29 (8):** 785 - 790 (NAAS Rating: 7.06)
26. Nachimuthu, V.V., Muthurajan, R., Duraijalaguraja, S., Sivakami, R., Pandian, B.A., Ponniah, G., Gunasekaran, K., Swaminathan, M., K K, S., Sabariappan, R. 2015. Analysis of Population Structure and Genetic Diversity in Rice Germplasm Using SSR Markers: An Initiative Towards Association Mapping of Agronomic Traits in *Oryza sativa*. **Rice. 8 (1):** (NAAS Rating: 9.42)
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33. Paramasivam, M., Selvi, C., Deepa, M., Jayaprakash, S.A., Chandrasekaran, S. 2015. Simultaneous determination of tebuconazole, trifloxystrobin, and its metabolite trifloxystrobin acid residues in gherkin under field conditions. **Journal of Separation Science. 38 (6):** 958 - 964 (NAAS Rating: 8.74)
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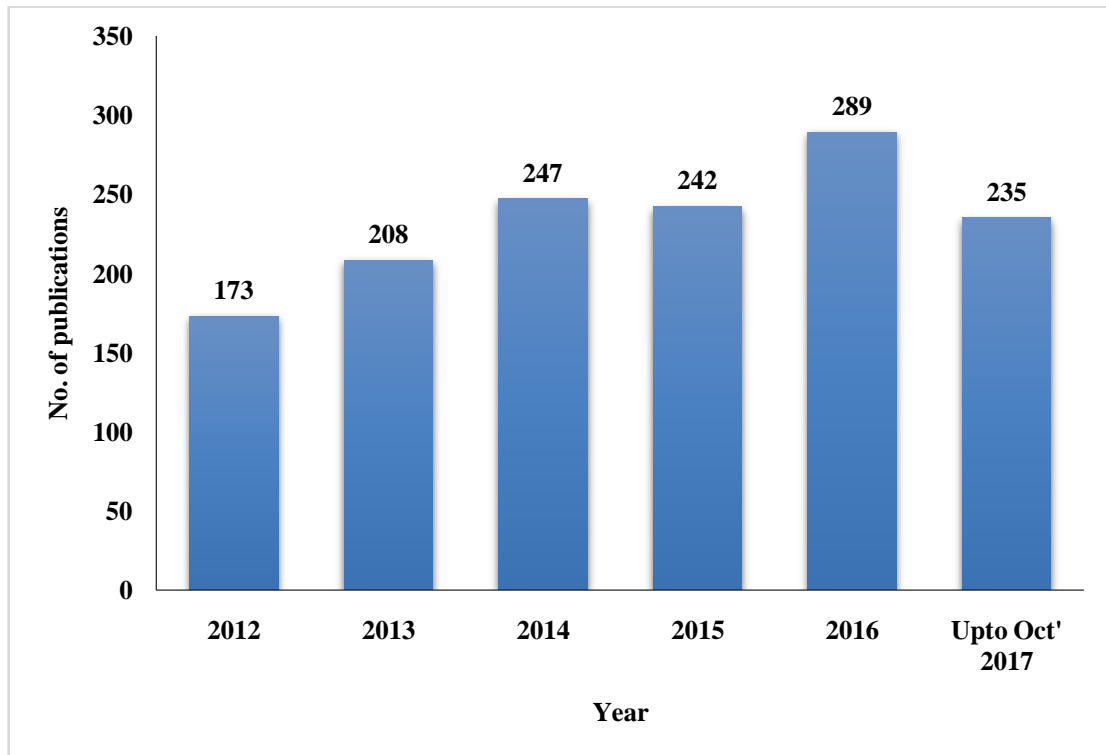
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5. Chatterjee P, Samaddar S, Anandham R, Kang Y, Kim K, Selvakumar G and Sa T. 2017. Beneficial Soil Bacterium *Pseudomonas frederiksbergensis* OS261 Augments Salt Tolerance and Promotes Red Pepper Plant Growth. **Front. Plant. Sci.** **8:1-9** (NAAS Rating: 10.49)
6. Dharanivasan, G., S. Sithanatham, M. Kannan, S. Chitra, K. Kathiravan and S. Janarthanan. 2017. Metal Oxide Nanoparticles Assisted Controlled Release of Synthetic Insect Attractant for Effective and Sustainable Trapping of Fruit Flies, **Journal of Cluster Science.** **28(4): 2167-2183**. (NAAS Rating: 7.5)
7. Dheepa, R., Vinodkumar, S., Renukadevi, P. and Nakkeeran, S. 2017. Phenotypic and molecular characterization of chrysanthemum white rust pathogen *Puccinia horiana* (Henn) and the effect of liquid based formulation of *Bacillus* spp. for the management of chrysanthemum white rust under protected cultivation. **Biological Control** **103, 172-186** (NAAS Rating: 8.01)
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9. Haripriya Shanmugam, Acharya, P., Jayaprakasha, G.K., Patil, B.S. (2017) Nanoformulation and characterization of nomilin with different poly (lactic-co-glycolic acid) resomers and surfactants for the enhanced inhibition of α -amylase and angiotensin-converting-enzyme. **Journal of Functional Foods.** **37 (2017) 564-573** (NAAS Rating: 9.97)
10. Jincy, M., Djanaguiraman, M., Jeyakumar, P., Subramanian, K.S., Jayasankar, S. and Paliyath, G. (2017) Inhibition of phospholipase D enzyme activity through hexanal leads to delayed mango (*Mangifera indica* L.) fruit ripening through changes in oxidants and antioxidant enzymes activity **Scientia Horticulturae.** **218: 316-325**. (NAAS Rating: 7.54)
11. Manikandan, R., Karthikeyan, G and Raguchander, T. (2017) Soil proteomics for exploitation of microbial diversity in *Fusarium* wilt infected and healthy rhizosphere soils of tomato **Physiological and Molecular Plant Pathology** **100: 185-193** (NAAS Rating: 7.37)

12. Muralitharan, V., J. Rajeswaran, M. K. Nayak, S. Mohankumar, S. Chandrasekaran and P. J. Collins. (2017) Relative tolerance and expression of resistance to phosphine in life stages of the rusty grain beetle, *Cryptolestes ferrugineus* **J Pest Sci.**, (NAAS Rating: 9.1)
13. Nagendran, K., S. Mohankumar, R. Aravintharaj, C.G. Balaji, S.K. Manoranjitham, A. K. Singh, A.B. Rai, B. Singh and G. Karthikeyan. (2017) The occurrence and distribution of major viruses infecting cucurbits in Tamil Nadu state, India **Crop Protection 99:10-16** (NAAS Rating: 7.65)
14. Nair, R.M., M. Gätz S. Winter R. R. Giri V. N. Boddepalli, A. Sirari T. S. Bains G. K. Taggar H. K. Dikshit M. Aski, M. Boopathi, D. Swain A. Rathore V. Anil Kumar E. C. Lii L. Kenyon. (2017) Identification of mungbean lines with tolerance or resistance to yellow mosaic in fields in India where different begomovirus species and different *Bemisia tabaci* cryptic species predominate. **European Journal of Plant Pathology** (NAAS Rating: 7.49)
15. Niteen Kadam, T. Anandhan, F. Lovely Mae, Lawas, C. Quinones, R. Bahuguna, M. J. Thomson, M. Dingkuhn, M. Raveendran, P. Struik, X. Yin, K. Jagadish. (2017) Genetic control of plasticity in root morphology and anatomy of rice in response to water-deficit **Plant Physiology 174: 2302–2315** (NAAS Rating: 12.28)
16. Paramasivam, M., Deepa, M., Selvi, C. and Chandrasekaran, S. (2017) Dissipation kinetics and safety evaluation of tebuconazole and trifloxystrobin in tea under tropical field conditions. **Food Additives & Contaminants: Part A. 34:12, 2155-2163.** (NAAS Rating: 7.88)
17. Paramasivam, M., Deepa, M., Selvi, C. and Chandrasekaran, S. (2017) Dissipation kinetics of beta-cyfluthrin and imidacloprid in tea and their transfer from processed tea to infusion. **Ecotoxicology and Environmental Safety. 144: 531-536.** (NAAS Rating: 9.13)
18. Parihar, A.K., Basandrai, A. Sirari, D. Dinakaran, D. Singh, K. Kannan, K.P.S. Kushawaha, M. Adinarayan, M. Akram, T.K.S. Latha, V. Paranidharan and S. Gupta. (2017) Assessment of mungbean genotypes for durable resistance to yellow mosaic disease: Genotype x Environment interactions. **Plant Breeding -** (NAAS Rating: 7.5)
19. Prabhukarthikeyan, S.R., Manikandan, R., Durgadevi, D., Keerthana, U., Harish, S., Karthikeyan, G and Raguchander, T. (2017) Bio-suppression of turmeric rhizome rot disease and understanding the molecular basis of tripartite interaction among *Curcuma longa*, *Pythium aphanidermatum* and *Pseudomonas fluorescens* **Biological Control 111: 23-31** (NAAS Rating: 8.01)
20. Rageshwari, S., Renukadevi, P., Malathi, V.G., Amalabalu, P and Nakkeeran, S. (2017) DAC-ELISA and RT-PCR based confirmation of systemic and latent infection by tobacco streak virus in cotton and parthenium **Journal of Plant Pathology 99 (2): 17** (NAAS Rating: 7)
21. Raju, B., R. Sathishraj, M. Muthukumar, H.N. Sumanth, M. Raveendran, I. Tsutomo and J. S.V. Krishna. (2017) Is early morning flowering an effective trait to minimize heat stress damage during flowering in rice? **Field Crops Research 203: 238-242.** (NAAS Rating: 8.93)
22. Ramakrishnan, N and S. Sridharan. (2017) Ecological engineering to sustain the population of predators in curry leaf, *Murraya koenigii* (L.) Sprengel. **Journal of Environmental Sciences. 8: 889-892.** (NAAS Rating: 8.21)

23. Ramalingam J, Savitha P, Alagarasan G, Saraswathi R and Chandrababu R. (2017) Functional Marker Assisted Improvement of Stable Cytoplasmic Male Sterile Lines of Rice for Bacterial Blight Resistance. **Front. Plant Sci.** **8: 1-9** (NAAS Rating: 10.49)
24. Ramasubramanian, T. and Paramasivam.M. (2017) Determination and dissipation of fipronil and its metabolites in/on sugarcane crop. **International Journal of Environmental Analytical Chemistry.** **97(11): 1037-1052.** (NAAS Rating: 7.41)
25. Sakthivel, K., R. K. Gautam, K. Manigundan, Reena Singh, J. Ramalingam, G. S. Laha, Aundy Kumar and R. Velazhahan. (2017) The host background of rice influences the resistance expression of a three genes pyramid (xa5 + xa13 + Xa21) to bacterial blight (*Xanthomonas oryzae* pv. *oryzae*) pathotypes of Indian mainland and Bay islands **Plant Breeding** - (NAAS Rating: 7.5)
26. Savitha, P., R Usha kumari & C Vanniarajan. (2017) Correlation between selected morphological floral characters and yield components related traits in *Oryza sativa* L **Indian Journal of Experimental Biology** **55: 642-647** (NAAS Rating: 7.17)
27. Seema Rana and S. Mohankumar. (2017) Comparison of sensory structures present on larval antennae and mouthparts of lepidopteran crop pests **Florida Entomologist** **100(2): 230-250** (NAAS Rating: 7)
28. Shoba, D., M. Raveendran, S. Manonmani, S. Utharasu, D. Dhivyapriya, G. Subhasini, S. Ramchandrar, R. Valarmathi, Nitasha Grover, S. Gopala Krishnan, A. K. Singh, PawanJayaswal, PrashantKale,M. K. Ramkumar, S. V. AmithaMithra, T. Mohapatra, Kuldeep Singh, N. K. Singh, N. Sarla, M. S. Sheshshayee, M. K. Kar, S. Robin and R. P. Sharma. (2017) Development and Genetic Characterization of A Novel Herbicide (Imazethapyr) Tolerant Mutant in Rice (*Oryza sativa* L.) **RICE** **10:10 (1-12)** (NAAS Rating: 9.42)
29. Singh, S.P., Jain, A., Anantha, M.S., Tripathi, S., Sharma, S., Kumar, S., Prasad, A., Sharma, B., Karmakar, B., Bhattarai, R. and Das, S.P., Singh S. K., Vinay Shenoy, R. Chandra Babu, S. Robin, Swain P., DwivediJ. L., Yadaw R. B., Mandal N. P., T. Ram, Mishra K. K., Verulkar S. B., Tamal A., Prasad K., Perraju P., Mahato R. K., Sharma S., K. Anitha Raman, Arvind Kumar & Amelia Henry. (2017) Depth of soil compaction predominantly affects rice yield reduction by reproductive-stage drought at varietal screening sites in Bangladesh, India, and Nepal. **Plant and Soil** **1-16**, (NAAS Rating: 8.97)
30. Vinodkumar S, Nakkeeran S., Malathi VG., Karthikeyan G, Amala Balu P, Mohankumar S and Renukadevi P.. (2017) Tobacco streak virus: An emerging threat to cotton cultivation in India. **Phytoparasitica**, - (NAAS Rating: 7.03)
31. Vinodkumar, S., Indhumathi,T. and Nakkeeran, S. (2017) *Trichoderma asperellum* (NVTa2) as a potential antagonist for the management of stem rot in carnation under protected cultivation **Biological Control** **113: 58-64.** (NAAS Rating: 8.01)
32. Vinodkumar, S., Nakkeeran, S., Renukadevi, P. and Malathi, V.G. (2017) Biocontrol potentials of antimicrobial peptide producing *Bacillus* species: Multifaceted antagonists for the management of stem rot of carnation caused by *Sclerotinia sclerotiorum*. **Frontiers in Microbiology** **24:8: 446** (NAAS Rating: 10.16)

Annexure 30C

List of Publications made by TNAU faculty during Jan'2012- October'2017 (SCOPUS)



Total No. of Publications with SCOPUS rating = 1394

2012:

- Adiyaman P., Kanchana S., Mahendran P.P., 2012, Development and stability of bio-food colour from beetroot by spray drying, *Carpathian Journal of Food Science and Technology*, 4, 2, 63, 73
- Alice D., Sundravadana S., 2012, Effects of biocontrol agents and plant products on *Macrophomina phaseolina* and colchicine content in *Gloriosa superba*, *Plant Protection Science*, 48, 3, 110, 115
- Amirtham D., 2012, Isolation & identification of protease producing and chitinase deficient microorganism from soil, *Electronic Journal of Environmental, Agricultural and Food Chemistry*, 11, 4, 397, 404
- Amirtham D., baby S., Ramachandran R., 2012, Microbial deproteinization of shrimp shell waste for chitin production by wild strains of *Serratia marcescens*, *Electronic Journal of Environmental, Agricultural and Food Chemistry*, 11, 5, 469, 476
- Anandan R., Sudhakar D., Balasubramanian P., Gutiérrez-Mora A., 2012, In vitro somatic embryogenesis from suspension cultures of *Carica papaya* L., *Scientia Horticulturae*, 136, , 43, 49
- Anita B., 2012, Crucifer vegetable leaf wastes as biofumigants for the management of root knot nematode (*Meloidogyne hapla* Chitwood) in celery (*Apium graveolens* L.), *Journal of Biopesticides*, 5, SUPPL., 111, 114
- Anita B., Samiyappan R., 2012, Induction of systemic resistance in rice by *Pseudomonas fluorescens* against rice root knot nematode *Meloidogyne graminicola*, *Journal of Biopesticides*, 5, SUPPL., 53, 59
- Arunachalam P., Vanniarajan C., 2012, Genetic parameters and quantitative traits association in barnyard millet (*Echinochloa Frumentacea*), *Plant Archives*, 12, 2, 691, 694
- Ashok K.R., Uma K., Prahadeeswaran M., Jeyanthi H., 2012, Economic and environmental impact of Bt cotton in India, *Indian Journal of Agricultural Economics*, 67, 3, 405, 428
- Ashokkumar G., Ponnuswami V., Sundar S.T.B., 2012, Effect of induced chlorophyll mutation, mutagenic efficiency and effectiveness of gamma rays and EMS in paprika (*Capsicum annum* L.) cv. Bydagi Kaddi, *Indian Journal of Horticulture*, 69, 1, 60, 64
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- Balakrishnan N., Subramanian K.S., 2012, Mycorrhizal symbiosis and bioavailability of micronutrients in maize grain, *Maydica*, 57, 2, 129, 138
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- Bandi S., Sivasubramanian P., 2012, Management of Thrips *tabaci* Lindeman in onion using *Pseudomonas fluorescens* Migula through induced resistance, *Journal of Biopesticides*, 5, 1, 1, 3
- Basha S.M., Vasanthaiah H.K.N., Kambiranda D.M., Easwaran K., Queeley G., 2012, Genetic variation in sugar composition among muscadine, Florida hybrid bunch and bunch grape genotypes, *International Journal of Wine Research*, 4, 1, 15, 23
- Beena R., Thandapani V., Chandrababu R., 2012, Physio-morphological and biochemical characterization of selected recombinant inbred lines of rice for drought resistance, *Indian Journal of Plant Physiology*, 17, 2, 189, 193

- Bharathi K., Muthukrishnan N., 2012, Development and use of novel IPM modules for the management of mealy bug, *Phenacoccus solenopsis tinsley* under irrigated cotton ecosystem, *Journal of Entomological Research*, 36, 4, 351, 357
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