

PUBLICATIONS

Research Papers

- Acharya, G.C., Chakrabarty, Ranjana, Rabha Himadri and Shil Sandip. 2014. Disease index for basal stem rot of arecanut in North East India. *J. Plantation Crops*. **42**(2): 265-267.
- Ajar Nath Yadav, Priyanka Verma, Murugan Kumar, Kamal K. Pal, Rinku Dey, Alka Gupta, Jasdeep Chatrath Padaria, Govind T. Gujar, Sudheer Kumar, Archana Suman, Radha Prasanna, Anil K. Saxena. 2014. Diversity and phylogenetic profiling of niche-specific *Bacilli* from extreme environments of India. *Annals of Microbiology*, DOI 10.1007/s13213-014-0897-9.
- Alka Gupta, Murali Gopal, George V. Thomas, Vinu Manikandan, John Gajewski, George Thomas, Somasekar Seshagiri, Stephan C. Schuster, Preeti Rajesh and Ravi Gupta. 2014. Whole genome sequencing and analysis of plant growth promoting bacteria isolated from the rhizosphere of plantation crops, coconut, cocoa and arecanut. *Plos One*. **9** (8): e104259. doi:10.1371/journal.pone.0104259. (pp.1-14).
- Anitha Karun, Sajini, K.K., Niral, V., Amarnath, C.H., Remya, P., Rajesh, M.K., Samsudeen, K., Jerard, B. A. and Florent Engelmann. 2014. Coconut (*Cocos nucifera* L.) Pollen Cryopreservation. *Cryo Letters* **35** (5) 407-417.
- Anithakumari, P. 2013. Labour availability in coconut cultivation and impact on technology adoption as perceived by coconut farmers. *J. Plantation Crops* **41** (2): 186 – 190.
- Arude, V.G. Manojkumar, T.S. and Shukla, S.K. 2014. Axial flow pre-cleaner for on farm cleaning of cotton. *Agricultural mechanization in Asia, Africa and Latin America*. **45**(3):37-42.
- Arunachalam V., Rajesh M.K., Jerard, B. A., Jayabose, C. and Sairam, C.V. 2014. Characterization of a spicata mutant of coconut palm in India. *J. Plantation Crops*, **42**(1): 108-112.
- Augustine Jerard, B., Niral, V., Dhanapal, R., Damodaran, V., Arunachalam, V., Rajesh, M.K., Devakumar, K., Samsudeen, K., Nair, R.V., Kumaran, P.M. and George V. Thomas 2014. Plant Germplasm Notice 12. IND 221 – Andaman Horned Cocos (IC0598221; INGR13063), a Coconut (*Cocos nucifera*) Germplasm with Distinct Character of Horny Nuts. *Indian J. Plant Genet. Resour.* **27**(1): 76-77.
- Augustine Jerard B., Niral, V., Dhanapal, R., Damodaran, V., Saran Kumar Rizal, Arunachalam, V., Sankaran, M., Nair, R.V., Ratnambal, M.J. Bhaskara Rao, EV Koshy PK and George V Thomas. 2014. Plant Germplasm Notice 14. IND 099 – Niu Leka Green Dwarf (EC0415218; INGR13065), a Coconut (*Cocos nucifera*) Germplasm of Short Statured Palm but Possessing the Advantageous Characters of Talls. *Indian J. Plant Genet. Resour.* **27**(1): 78.
- Augustine Jerard, B., V. Niral, Samsudeen, K., Jacob P.M., Devakumar, K., Rajesh, M.K., Anitha Karun and George V. Thomas. 2014. Plant Germplasm Notice 13. IND 331-Laccadive Mini Micro Tall (IC0598222; INGR13064), a Coconut (*Cocos nucifera*) Germplasm with Distinct Character of Extremely Small Nuts with Very Low Copra Content, not found in any other Coconut Variety. *Indian J. Plant Genet. Resour.* **27**(1): 77.
- Chakrabarty Ranjana, Acharya, G.C. and Sarma, T.C. 2014. Antifungal activity of some plant extracts against *Ganoderma lucidum* (Curtis Ex. FR.) Karst., causing basal stem rot disease of arecanut. *The Bioscan*, **9**(1):277-281.
- Chakrabarty Ranjana, Acharya, G.C. and Sarma, T.C. 2014. Evaluation of substrates for multiplication of bioagent, *Trichoderma viride*. *African J. Agricultural Research*. **9**(25): 1938-1940.
- Chandran, K. P., Jose, C. T., Jayasekhar, S., Jaganathan, D., Muralidharan, K. and Thamban, C. 2015. Yield estimation in cocoa with partial harvest data. *J. Plantation Crops*. **43** (1) 23-28.
- Chowdappa, P., Chethana, C.S. and Pavani, K.V. 2015. *Colletotrichum siamense* and *C. truncatum* are

- responsible for disease outbreaks of anthracnose on onion in South-West India. *J. Plant Pathol.* **97**: 77-86.
- Chowdappa, P., Kumar, B.J., Madhura, S., Mohan Kumaran, S.P., Meyers, K.C., Foy, W.E. and Cooke, D.E.C. 2015. Severe outbreak of late blight of potato and tomato in South India caused by recent changes in the phytophthora infesting population. *Plant Pathol.* **64**: 191-197.
- Jayanthi, M., Jerard, B.A., Sherif, S. and Jayasankar, S. 2014. Molecular characterization of somatic embryogenesis receptor-like kinase (SERK) genes from plum (*Prunus salicina*) and peach (*Prunus persica*). *Indian J. Hort.* **71**(4): 560-563.
- Jayasekhar, S., Chandran, K.P., Radhika, C., Muralidharan, K., and Thamban, C. 2014. Puzzlements in an evolving commodity chain: The case of tender coconut market in Kerala. *J. Plantation Crops* **42**(2): 228-230.
- Jeena Mathew, Krishnakumar, V. and Namboothiri, C.G.N. 2014. Potential of native weed species as nutrient contributors of coconut garden in an Entisol. *J. Plantation Crops* **42**(2): 231-237.
- Jerard B. A., Rajesh M. K., Elain S. A., Sajini K. K., Shafeeq Rahman, Fayas T. P. and Anitha Karun 2014. Scope of novel and rare bulbiferous coconut palms (*Cocos nucifera* L.). *Genetic Resources and Crop Evolution*, **61**: 1-6.
- Kalavathi, S., Krishnakumar, V., Thomas, R.J., Thomas, G.V. and Anithakumari, P. 2013. Community based adoption of intercropping in coconut based farming systems of Kerala with special reference to tuber crops. *J. Root Crops* **39** (2): 201-206.
- Krishnakumar, V., Dhanapal, R. and George V. Thomas. 2013. Integrated nutrient management for elephant foot yam intercropped in coconut garden. *J. Root Crops* **39** (2): 263-264.
- Leena, S. Shobha, S., Manojkumar, T.S. and Satheesa, N. 2014. Training on Jasmine cultivation: An impact study. *Research J. Agriculture and Forestry.* **2**(10):5-7
- Maheswarappa, H.P., Thomas, G. V., Alka Gupta, Bhat Ravi and Palaniswami, C. 2014. Productivity and nutrient status of coconut (*Cocos nucifera*) as influenced by integrated nutrient management with vermicomposted coconut leaves. *Indian J. Agronomy* **59** (3): 455-459.
- Manikantan, M.R., Barnwal, P. and Goyal, R.K. 2014. Drying characteristics of paddy in an integrated dryer. *J. Food Science and Technology*, **51**(4): 813-819, DOI 10.1007/s13197-013-1250-1.
- Mathew, A.C., Arumuganathan, T. and Madhavan, K. 2014. Development and performance evaluation of virgin coconut oil cooker. *AMA* **45**(1): 56-59
- Mukesh Kumar, Sugatha, P. and Hebbar, K. B. 2014. Superoxide dismutase isozymes and their heat stability in coconut (*Cocos nucifera* L.) leaves. *Annals of Biology* **30** (4): 593-597.
- Naganeeswaran S., Manimekalai R., Elain Apsara S., Manju K. P., Malhotra S. K. and Anitha Karun. 2014. Standalone EST Microsatellite Mining and Analysis Tool (SEMAT) for automated EST-SSR analysis in plants. *Tree Genetics and Genomics.* DOI 10.1007/s11295-014-0785-2.
- Nagaraja, N. R., Anupam Singh, J. K. Pallavi, J. B. Sharma, Karnam Venkatesh, G. P. Singh, Neelu Jain and Prabhu, K. V. 2014. Genetics of resistance to stem rust against Indian races in wheat varieties, Kundan and UP 2338. *Electronic J. Plant Breeding.* **5**(4): 636-640.
- Niral, V., Augustine Jerard, B., Samsudeen, K., Nair, R.V., Ratnambal, M.J., Kumaran, P.M. and George V. Thomas. 2014. Plant Germplasm Notice 10. IND 092 - Cameroon Red Dwarf (IC0598219; INGR13061), a Dwarf Coconut (*Cocos nucifera*) Germplasm with Distinct Bright Orange Coloured Nuts, Higher Content of Tender Nut Water and High Copra Content. *Indian J. Plant Genet. Resour.* **27**(1): 74-75.
- Niral, V. Augustine Jerard, B., Samsudeen, K., Nair, R.V., Jacob, P.M., Devakumar, K., Ratnambal, M.J., Kumaran, P.M., Bhaskara Rao, E.V.V., Pillai, R.V. and George V. Thomas. 2014. Plant Germplasm Notice 9. IND 030-Laccadive Micro

- Tall (IC0430669; INGR13060), a Coconut (*Cocos nucifera*) Germplasm with Cluster Bearing Heavy Bunches of Micro Nuts. *Indian J. Plant Genet. Resour.* **27**(1): 73-74.
- Niral, V., Augustine Jerard, B., Samsudeen, K., Nair, R.V., Kumaran, P.M. and George V. Thomas. 2014. Plant Germplasm Notice 11. IND 414 – Chowghat Yellow Dwarf (IC0598220; INGR13062), Distinct Dwarf Coconut (*Cocos nucifera*) Germplasm with Yellow Coloured Nuts and Erect Leaves. *Indian J. Plant Genet. Resour.* **27**(1): 75-76.
- Niral, V., Augustine Jerard, B., Samsudeen, K., Ratnambal, M.J., Kumaran, P.M., Bhaskara Rao E.V.V. and George V. Thomas. 2014. Plant Germplasm Notice 8. IND 001 – Kappadam Tall (IC0430667; INGR13059), a Coconut (*Cocos nucifera*) Germplasm with Low Husk (33 to 36%) and High Copra Content (215 to 280 g). *Indian J. Plant Genet. Resour.* **27**(1): 73.
- Rajesh M. K., K. Samsudeen, B. A. Jerard, P. Rejusha, Anitha Karun (2014) Assessment of genetic diversity and phylogenetic relationships among coconut populations from Amini and Kadmat Islands, Lakshadweep, India, *Emirates J. Food and Agriculture*, **26**(10). 2014. doi:10.9755/ejfa.v26i10.18055
- Rajesh, M. K., Jerard, B. A., Preethi, P., Regi Jacob Thomas and Anitha Karun. 2014. Application of RAPD markers in hybrid verification in coconut. *Crop Breeding and Applied Biotechnology*, **14**: 36-41.
- Rajesh, M. K., Rachana, K.E., Naganeeswaran, S., Shafeeq, R., Thomas, R.J, Shareefa, M., Merin Babu, and Anitha Karun. 2014. Identification of expressed Resistance Gene Analogue (RGA) sequences in coconut leaf transcriptome and an evolutionary analysis of palm RGAs. *Turkish Journal of Agriculture and Forestry* DOI: 10.3906/tar-1409-75.
- Rajesh, M. K., Radha, E., Sajini K. K. and Anitha Karun. 2014. Polyamine-induced somatic embryogenesis and plantlet regeneration in vitro from plumular explants of dwarf cultivars of coconut. *Indian Journal of Agricultural Sciences* **84**(4):527-530.
- Rajesh, M. K., Samusdeen, K., Jerard, B.A., Rejusha, P. and Anitha Karun 2014. Genetic and phylogenetic relationships of coconut populations from Amini and Kadmat Islands, Lakshadweep (India). *Emirates Journal of Food and Agriculture* **26** (10): 898-906.
- Ravi Bhat and Sujatha, S. 2014. Soil fertility status and disorders in arecanut (*Areca catechu* L.) grown on clay and laterite soils of india, *Communications in Soil Science and Plant Analysis*, **45** (12): 1622-1635.
- Selvamani, V. and V.P. Duraisami. 2014. Identifying and mapping leaf nutrient based constraints for coconut productivity in Coimbatore and Tiruppur districts of Tamil Nadu state, *India. J. Plantation Crops.* **42**(2):163-169.
- Selvamani, V. and V.P. Duraisami. 2014. Identifying and mapping soil fertility related constraints for coconut in Coimbatore and Tiruppur districts of Tamil Nadu state, *Indian J. Plantation Crops.* **42**(3):348-357.
- Shareefa, M, Thomas, R.J., Nampoothiri, C. K. and Anitha Karun. 2014. Studies on vivipary in dwarf coconut cultivars. *Indian J. Horticulture* **79** (4): 464-468.
- Sharma, R., Manikantan, M.R., Ranote, P.S. and Singh, T. 2014. Rheological behavior of litchi juice concentrates during storage. *International Food Res. J.* **21**(3):1169-1176.
- Sreepriya, P, Naganeeswaran, S., Hemalatha, N. , Sreejisha P. and Rajesh M. K. 2014. A machine learning approach for prediction of gibberellic acid metabolic enzymes in monocotyledonous plants. *Transactions on Machine Learning and Artificial Intelligence* **2** (4): 35-47.
- Suresh Bhise, Kaur, A. and Manikantan, M.R. 2014. Moisture dependent physical properties of maize (PMH-1). *Acta Alimentaria*, **43**(3): 394-401.
- Thamban, C., Mathew, A.C., Subramanian, P., and Muralidharan, K. 2014. Soil and Water Conservation Measures for Sustainable Coconut Production – Impact of Interventions under Farmers

Participatory Action Research Programme. *J. Plantation Crops*. **42** (1): 94-100.

Papers presented in seminar, symposia, workshops, etc.

Acharya, G.C. 2014. Current status of arecanut research in North East. *In: National Seminar on Plant Protection and Intercropping in arecanut, UAHS, Shimoga, 8th-9th May 2014.*

Anithakumari P., Muralidharan, K., and Kalavathi, S. 2014. Community extension approach in biomanagement of Coconut. *In: A.K. Singh, Jitendra Chauhan and Vinod Kumar (Eds.). Compendium of abstracts. 7th National Extension Education Congress-2014 'Translational Research - Extension for Sustainable Small Farm Development. 8-11, November, 2014, pp.123.*

Arude, V. G., Manojkumar, T. S. and Shukla, S. K. 2014. Development and performance of self-grooving rubber roller for use in roller ginning machines. *International Proc. Chemical Biochemical, Biological & Environmental Engineering*.**64**: 76-81.

Chandrika Mohan and Josephraj Kumar, A. 2015. Scope of entomopathogens for pest management in coconut. Lead lecture presented at International conference - Innovative Insect Management Approaches for Sustainable Agro Eco System (IIMASAE) held at Agriculture College and Research Institute, Madurai 27-30 January 2015 Srinivasan *et al.* (Eds) Book of Abstracts p 337-339.

Elain Apshara, S. 2014. Comparative performance of clones and seedlings of selected genotypes of cocoa. *In: Abstracts of 6th Indian Horticulture Congress on Horticulture for inclusive growth, November 6- 9, 2014, Coimbatore. p. 127-128.*

Hebbar, K.B., Surekha and Arivalagan, M. 2014. Status and Prospects of Alternate Uses of Arecanut. *In: Abstract Book of National Seminar on "Plant Protection and Intercropping in Arecanut" from 9-10 May, 2014 at University of Agricultural and Horticultural Sciences, Shimoga. Pp 33-35.*

Jaganathan, D., Nagaraja, N. R., Jose, C. T., Alagar,

M and Ananda, K. S. 2014. Arecanut based multispecies cropping system as perceived by farmers. *In: Compendium of Abstracts. 7th National Extension Education Congress on Translational Research – Extension for Sustainable Small Farm Development, 8-11 November, 2014 at ICAR Research Complex for NE region, Umiam, Meghalaya, p. 48.*

Josephraj Kumar, A. and Chandrika Mohan (2014) Disrupting Insect Luminal Enzymes for Pest Management. *In: National Symposium on Entomology as a Science and IPM as a technology- the way forward (compilation of invited lectures) V.V. Ramamurthy and Subramanian (Eds.), Entomological Society of India, New Delhi pp. 155-166.*

Josephraj Kumar, A., Chandrika Mohan, Jerard, B.A. and Krishnakumar, V. 2015. Surveillance note on invasive pests of coconut and strategies on incursion management. Paper presented at International conference - Innovative Insect Management Approaches for Sustainable Agro Eco System (IIMASAE) held Agriculture College and Research Institute, Madurai, 27-30 January 2015 Srinivasan *et al.* (Eds) Book of Abstracts p 587-589.

Manikantan, M.R., Arivalagan, M., Mathew, A.C., Hebbar, K.B., Arumuganathan, T., Madhavan, K. and Don Bosco, S.J. 2014. Entrepreneurship driven post harvest processing and value addition technologies of coconut. Paper presented in "International conference on Agribusiness Management – Opportunities and Challenges", 9-11 October 2014 at Sahyadri College of Engineering & Management, Mangalore, Karnataka, India pp 50-54.

Niral, V., Jerard, B.A. and K.S. Ananda. 2015. Species utilization for plantation crops improvement. *In: National meet on distant hybridization in horticultural crop improvement, 22-23 January 2015, ICAR-IIHR, Hessraghatta Lake, Bangalore, Lead paper, pp. 182.*

Niral, V. 2014. Current status of coconut genetic resources, conservation and utilization in India. Lead *In: National Seminar on Challenges &*

- innovative approaches in crop improvement, December 16-17, 2014, Agricultural College & Research Institute, Madurai, TNAU, India, Session V Horticulture & Plantation Crops Improvement. Lead paper 3, pp. 64.
- Rajkumar, Jagadeesh Patil and Kesavan Subaharan. 2014. Efficacy of entomopathogenic nematode in combination with imidacloprid against root grub (*Leucopholis burmesteri*) in arecanut In: *International conference on 'Changing scenario of pest problems in Agri-Horti ecosystem and their management'*, held at MPUA&T, Udaipur, Rajasthan during 27-29 November, 2014. p.199.
- Rajkumar, Jagdeesh Patil, Subaharan, K. and Sujithra M. 2015. Compatibility of Entomopathogenic Nematode *Steinernema carpocapsae* with chlorpyrifos insecticide. Paper presented at International conference - Innovative Insect Management Approaches for Sustainable Agro Eco System (IIMASAE) held Agriculture College and Research Institute, Madurai 27-30 January 2015 Srinivasan *et al.* (Eds) Book of Abstracts p 357.
- Subramanian, P., George V. Thomas, Krishnakumar, V., Alka Gupta and Murali Gopal. 2014. Organic cultivation in coconut. Paper presented in the International symposium on organic coconut farming November 28th, 2014, held at Coconut Research Institute, Lunuvila, Srilanka. pp 1-2.
- Vinayaka Hegde and Rajkumar 2014. Integrated pest management in arecanut. National Workshop (Arecanut crop protection and intercrop) 9-10 May, 2014 at University of Agriculture and Horticulture Sciences (UAHS), Shimoga, Karnataka. 19-23p.
- Muralidharan, K., Rajesh, M.K., Muralikrishna, K. S., Jesmi Vijayan, and Jayasekhar, S. 2014. Book of Abstracts. National Conference on 'Sustainability of Coconut, Arecanut and Cocoa Farming- Technological Advances and Way Forward', 22-23 August 2014, CPCRI, Kasaragod.p. 117.**
- Akhil, V., Rajesh, M. K., Hemalatha, N., Naganeeswaran, S., Anoop Raj, P., Anitha Karun and George V. Thomas. A machine learning approach for detection of DELLA proteins, a key component of gibberellic acid signalling. pp 38.
- Alagar, M., Jaganathan, D., Nagaraja, N. R. and Purandhara, C. Integrated root grub management in arecanut – A success story. pp 93.
- Amal Vasu, Akhil, V., Rajesh, M. K. , Hemalatha, N., Naganeeswaran, S., Anoop Raj, P., Chandran, K.P., Anitha Karun and George V. Thomas. COCMAP-Pred: An algorithm for prediction of domains in coconut MAP kinases developed using soft computing techniques. pp 40.
- Anitha Karan, Sajini, K.K., Radha, E., Muralikrishna, K. S. and Rajesh, M. K. Biotechnological research in coconut and arecanut- current status and future strategies. pp 23.
- Anithakumari, P., Muralidharan, K. and Thejaswibhai. Impact of extension interventions in technology integration project among coconut communities. pp 113.
- Arivalagan, M., Manikantan, M.R., Sugatha, P., Hebbar, K.B. and Santosh R. Kanade. Total polyphenolics content and antioxidant potential of coconut haustorium at different maturation levels. pp 105.
- Basavaraju, T.B., Prashanth, M. and Maheswarappa, H.P. Yield and economics of coconut under fertigation. pp 68.
- Chalapathi Rao, N.B.V., Ramanandam, G. and Maheswarappa, H.P. Studies on compatibility of *Goniozus nephantidis* with the most commonly used chemical pesticides in Coconut based cropping systems. pp 89.
- Chandran, K. P., Jose, C. T., Jaganathan, D., Jayasekhar, S., Muralidharan, K. and Thamban, C. Yield prediction in cocoa using pre-harvest observations. pp 114.
- Chandrika Mohan, Anithakumari, P., Josephraj Kumar, A., Devika, S., Rasiya, K.H. and Sangeetha, S. Area wide management of rhinoceros beetle infestation on coconut by farm level capacity building. pp 91.
- Dhanapal, R. Recent advances in crop production technologies of coconut. pp 58.

- Gangaraj, K.P., Monica, V., Amal Vasu, Akhil, V., Shafeeq Rahman, Rajesh, M. K., Anitha Karun and George V. Thomas. Structural studies and homology modelling of coconut ent-copalyl diphosphate synthase. pp 41.
- Gayathri, K., Yashashwini, N., Niral, V., Samsudeen, K., Jerard, B.A. Identification of inflorescence based descriptor traits for robust characterization of coconut varieties. pp 46.
- Gurav, S.S., Khandekar, R.G., Sawant, V.S., Narangalkar, A.L. and Maheswarappa, H.P. Scenario of coconut pests in Konkan region of Maharashtra. pp 87.
- Hebbar, K.B., Kumar, M., Arivalagan, M. and Padmanabhan, S. Implications of climate change in coconut sector. pp 76.
- Jaganathan, D., Thamban, C., Jose, C. T., Jayasekhar, S. and Chandran, K. P. Analysis of organic farming practices in arecanut in South India. pp 112.
- Jayasekhar, S., Chandran, K.P., Thamban, C. and Muralidharan, K. Imperativeness of stabilized prices in the system of innovation: The case of coconut sector. pp 116.
- Jeena Mathew, Krishnakumar, V. and Narayanan Namboothiri, C.G. Characterization of soil and plant nutrients in boron deficient coconut palms grown in Entisol. pp 63.
- Jeena Mathew, Selvamani, V. and Subramanian, P. Spatial variability in soil fertility in coconut growing Onattukara sandy soil –a case study. pp 66.
- Jerard, B.A., Jacob, P.M., Samsudeen, K. and Joseph Rajkumar, A. Performance evaluation of coconut accessions at Minicoy, Lakshadweep. pp 39.
- Jerard, B.A., Jacob, P.M., Samsudeen, K., Regi Jacob Thomas and Arunachalam, V. Evaluation of locally produced coconut hybrids at Minicoy, Lakshadweep. pp 30.
- Jesmi Vijayan, Muralidharan, P., Lekha, G. and Vinay Moghe. Climate change and its potential impact on insect. pp 80.
- Jose, C.T., Chandran, K.P., Muralidharan, K., Jaganathan, D. and Jayasekhar, S. Spatial smoothing technique for identifying pre-potent trees from a large plantation. pp 115.
- Josephraj Kumar, A., Chandrika Mohan, Sunny Thomas, Namboothiri, C.G.N. and Shanavas, M. Subduing red palm weevil attack on coconut through fine-tuned management approaches. pp 86.
- Kalavathi, S. and Anithakumari, P. Integrated model coconut clusters: Participatory action management pp 117.
- Khadeejath Rajeela, T.H., Alka Gupta, Murali Gopal, Vinayaka Hegde and George V. Thomas. *In vitro* compatibility of coconut and cocoa plant growth promoting rhizobacteria (PGPR) with biocontrol agent *Trichoderma harzianum*. pp 65.
- Khandekar, R.G., Nagwekar, D.D., Maheswarappa, H.P., Sawant, V.S., Gurav, S.S. and Haldankar, P.M. Performance of *Morinda citrifolia* as mixed crop in coconut under Konkan region of Maharashtra. pp 64.
- Krishnakumar, V. Technologies for management of root (wilt) disease of coconut. pp 82.
- Lakshmi Jayaraj, K., Bhavyashree, U., Shafeeq Rahman, Murali Krishna, K.S., Sajini, K.K., Rajesh, M.K., Anitha Karun. Electrophoretic analysis of protein patterns in embryogenic and non-embryogenic tissues derived through coconut plumule culture. pp 47.
- M'bo Kacou Antoine Alban, Shafeeq Rahman, Elain Apshara, S. and Rajesh, M. K. Identification and validation of true hybrids of cocoa (*Theobroma cacao* L.) through microsatellite markers. pp 50.
- Madhavan, K. Post harvest processing and value addition for enhanced profitability in coconut. pp 97.
- Maheswarappa, H.P. and Rajkumar. Cropping system models of coconut for different agro-climatic regions. pp 60.

- Manikantan, M.R., Mathew, A.C., Kingsly, A.R.P. and Sajid Alavi. Moisture dependent flow specific physical properties of coconut milk residue flour and its incorporation on operative rheological properties of cereal flours. pp 104.
- Manjula, C., Samsudeen, K and Sugatha, P. Fatty acid composition of oil from coconut (*Cocos nucifera* L.) ecotypes growing in two Agro-climatic regions of Kerala. pp 45.
- Mathew, A. C, Manikantan, M. R. and Madhavan, K. Design and development of an agricultural waste fired cooker for the production of hot processed virgin coconut oil. pp 103.
- Merin, B., Josephraj Kumar, A., Rajumon, M., Devika, S., Rajeev, G., Gangaraj, K. P and Vinayaka H. Molecular characterization of phytoplasma associated with white leaf disease of *Urochloa distachya* – a common weed in coconut plantations. pp 90.
- Monica, V., Rachana, K. E., Gangaraj, K.P., Amal Vasu, Rajesh, M. K., Anitha Karun and George V. Thomas. Structure determination of CMT-type DNA methyltransferase protein in coconut. pp 42.
- Muralidharan, K. Current status of coconut industry in India. pp 107.
- Muralidharan, K., Jayasekhar, S., Chandran, K. P. and Thamban, C. Impact analysis of improved coconut varieties developed by CPCRI. pp 110.
- Nair, R. V., Thomas, R.J., Shareefa, M. and Krishnakumar, V. Advancements in breeding for resistance to coconut root (wilt) diseases. pp. 28.
- Nanthakumar, A. , Shafeeq Rahman, Rijith, J., Rajesh, M. K., Jerard, B.A., Samsudeen, K. and Anitha Karun. Molecular characterization of orange dwarf coconut accessions using microsatellite markers. pp 49.
- Nidhina, K., Sharadraj, K.M., Shwetha, P.V., Prathibha, V. H. and Vinayaka Hegde. Exploring the bio-control potentiality of *Trichoderma* spp. against *Phytophthora palmivora*. pp 95.
- Niral, V., Jerard, B. A., Samsudeen, K., Yashashwini, N., Hebbar, K. B. and Sugatha, P. Evaluation of tender nut water quality in select coconut germplasm of the Indian Ocean Islands. TS1-PP3, pp. 32.
- Prathibha, P. S., Subaharan, K. and Kumar, A.R.V. Epizootics and natural enemies of palm white grubs, *Leucopholis* spp. (Scarabaeidae: Melolonthinae). pp 94.
- Rachana, K. E., Rajesh, M. K., Regi Jacob Thomas, Shareefa, M., Merin Babu and Anitha Karun. Comparative analysis of expression levels of NBS-LRR type resistant gene analogues (RGAs) in coconut. pp 43.
- Rahul, C.U., Naganeeswaran, S., Rajesh, M.K. and George V. Thomas. Discovery of miRNA's in genomes of *Phytophthora* ssp. using computational tools. pp 44.
- Rajeev, M.S. and Muralidharan, P. Varada – an ideal ginger variety for intercropping in coconut gardens. pp 67.
- Rajeshkumar, P. P., George V. Thomas, Alka Gupta and Murali Gopal. Species diversity, richness and the degree of colonization of arbuscular mycorrhizal fungi in coconut palm in a crop mixed agro-ecosystem. pp 72.
- Rajkumar. Compatibility of entomopathogenic nematode with neonicotinoid insecticide under laboratory condition. pp 88.
- Ravi Bhat and Sujatha, S. Production systems management for sustainability and profitability in arecanut. pp 54.
- Sabana, A. A., Rajesh, M. K., Rachana, K. E., Ananda, K.S. and Anitha Karun. Assessment of genetic diversity of arecanut accessions using SCoT markers. pp 37.
- Sawant, V.S., Khandekar, R.G., Gurav, S.S., Maheswarappa, H.P. and Haldankar, P.M. Initial performance of location specific coconut hybrid combinations under Konkan agro climatic conditions. pp 69.



- Selvamani, V., Subramanian, P., Surekha, Ravi Bhat and Jeena Mathew. Developing site specific nutrient management practices for increasing the coconut productivity at farm level using GIS. pp 70.
- Shafeeq Rahman, Sabana, A.A., Gangaraj, K.P., Rajesh, M.K., Jerard, B.A. and Anitha Karun. Identification of SNPs in gibberellin 20-oxidase (GA 20-ox) gene between tall and dwarf accessions of coconut. pp 36.
- Shareefa, M., Raju, C. R. and Thomas, R. J. Standardization of inoculation media for direct shoot formation in immature inflorescence culture of coconut. pp 48.
- Smita Nair, Gangaraj, K.P. and Vinayaka Hegde. Isolation and characterization of partial secA Gene of arecanut yellow leaf disease phytoplasma. pp 92.
- Subramanian, P., Harisha, C. B. and Ravi Bhat. Cultivation of vegetables as intercrops in coconut garden through organic matter recycling under sandy soil condition. pp 62.
- Surekha, Subramanian, P., Ravi Bhat, Maheshwarappa, H.P., Selvamani, V. and Santhosh, P. Effect of different mulches on weed biomass and yield of turmeric in coconut based high density multi species cropping system. pp 71.
- Thamban, C., Mathew, A. C. and Jayasekhar, S. Micro irrigation technology in coconut farming - analysing the field level utilisation pattern. pp 111.
- Vidhan Singh, T. Farm mechanization in coconut: Current status and future need. pp 101.
- Vinayaka Hegde, Merin Babu and Josephraj Kumar, A. Root (wilt) disease of coconut and yellow leaf disease of arecanut: Present status and future strategies. pp 84.
- National Seminar on "New Horizons and Challenges in Biotechnology and Bioinformatics", 9-10 October, 2014, ICAR-CPCRI, Kasaragod.**
- Akhil V., Naganeeswaran S., Amal Vasu, Rajesh M. K. and Anitha Karun. SmiRNA: A pipeline for standalone data mining and annotation of plant miRNAs. p. 66.
- AmalVasu, Akhil V., Hemalatha N., Rajesh M. K. and Anitha Karun. Machine learning approaches for predicting translation initiation factor in coconut. p. 67.
- Anitha Karun, Sajini K.K., Radha E., Murali Krishna S. and Rajesh M. K. Current status and future strategies of tissue culture of coconut and arecanut. p. 42-44.
- Hemalatha N., Rajesh M.K. and Narayanan N.K. LipidPred: An algorithm for prediction of Lipid Transfer Proteins (LTP) in genome of indica rice. p. 64.
- Monica V., Gangaraj K.P., Rachana K. E., AmalVasu, Rajesh M. K. and Anitha Karun. Isolation and structural deduction of a full length glycosyl hydrolases family 31 cDNA from coconut. p. 79.
- Naganeeswaran, S., ElainAphsara, S., Manimekalai, R. and M'BoKacou Antoine Alban. Cocoa stress gene database (CocoaSTRESSdb): Comprehensive resource for cocoa stress response genes and associated SSR markers to facilitate marker assisted selection. p. 65.
- Nagaraja, N. R., Anupam Singh., J. K. Pallavi., KarnamVenkatesh., J. B. Sharma., and K. V. Prabhu. Molecular marker analysis and tagging of gene for stem rust resistance. p. 85.
- Preethi P., Rajesh M.K., Naganeeswaran S., ShafeeqRahman and Anitha Karun. Identification of EST-SSRs in coconut (*Cocos nucifera* L.) by deep transcriptome sequencing. p. 101.
- Rachana K.E., Rajesh M.K., Naganeeswaran S., Thomas R.J. and Anitha Karun. Characterization and phylogenetic analyses of serine/threonine kinase class defense-related genes in coconut. p. 14.
- Rahul C.U. and Rajesh M.K. Detection of mature miRNAs in the mitochondrial genome of *Phytophthora* ssp. p. 17.
- Sabana A.A., Rachana K.E., Rajesh M.K., ShafeeqRahman, Josephraj Kumar A., Jerard

- B.A. and Anitha Karun. DNA-based tools for identification of *Batrachedra* sp., an invasive pest feeding on coconut inflorescence. p. 100.
- Shafeeq Rahman, Rajesh M.K., Jerard B.A. and Anitha Karun. Hybrid purity assessment in coconut F1 hybrids using microsatellite markers and microchip electrophoresis. p. 99.
- In: Dinesh R, Santhosh J Eapen, Senthil Kumar CM, Ramakrishnan Nair R, Devasahayam S, John Zachariah T, Anandaraj M (eds.) Abstracts, PLACROSYM XXI, International Symposium on Plantation Crops, ICAR-Indian Institute of Spices Research, Kozhikode, Kerala, India. 248p. 10-12th December, 2014.**
- Anithakumari P., Muralidharan, K., Thejaswibhai and Chandrika Mohan 2014. Impact study on area-wide extension approach for bio-management of rhinoceros beetle in farmers' fields. p. 212
- Augustine Jerard, B., Niral, V., Samsudeen, K., Nair, R.V. and George V. Thomas. Development of "Kalpa Samrudhi"- a Dwarf x Tall coconut hybrid at ICAR-CPCRI. p. 23.
- Augustine Jerard, B. and Niral, V. Intra-population variability for morphological and fruit component traits in Gangabondam Green Dwarf coconut accession. p. 35.
- Chandran, K. P., Jose, C. T., Jayasekhar, S., Jaganathan, D and Muralidharan, K. 2014. Coconut price forecasting using support vector regression. p. 211.
- Chandrika Mohan, Josephraj Kumar, A. and Rajendran, R. Age-induced diminishing efficiency of the parasitic wasp, *Goniozus nephantidis* Mues., a promising biocontrol agent of coconut black headed caterpillar. p. 128.
- Elain Apshara, S. Identification and selection of potential clones from Wayanad cocoa collections. p. 43.
- Jaganathan, D., Nagaraja, N. R., Jose, C. T., Thamban, C., Jayasekhar, S. and Chandran, K. P. Status of arecanut farming in Dakshina Kannada district of Karnataka, India. p. 210.
- Jayasekhar, S., Chandran, K. P., Thamban, C., Jaganathan, D. and Muralidharan, K. 2014. Plantation crops sector in India: Need of a restructured innovation system for inclusive growth in the context of trade reforms. p. 207.
- Jeena Mathew, Krishnakumar, V. and Namboothiri, C.G.N. 2014. Effect of dolomite application on soil quality in coconut growing Onatukara sandy soil. p. 73.
- Josephraj Kumar, A., Chandrika Mohan, Shanavas, M., Sunny Thomas, Namboothiri, C.G.N. Defending rhinoceros beetle attack on coconut through botanicals and ecological engineering. p. 129.
- Kalavathi, S. and Jeena Mathew. Management of coconut-based farming systems under coastal sandy soils: Participatory assessment and refinement for climate resilience. p. 77.
- Krishnakumar, V. and Jeena Mathew 2014. Nutritional management in coconut based mixed farming system. p. 78.
- Manikantan, M.R., Arivalagan, M., Mathew, A.C. and Hebbar, K.B. Selection of process parameters for enhancement of hot process virgin coconut oil recovery and co-product utilization. pp 189.
- Mathew A. C. 2014. Effect of Irrigation and Mulching in Drip Irrigated Coconut Gardens. pp 74.
- Monica, V., Rachana, K. E., Amal Vasu, Gangaraj, K. P. and Rajesh, M. K. Isolation, in silico characterization and expression analysis of a full length lipooxygenase cDNA from *Cocos nucifera* L. p. 135-136.
- Nihad, K., Krishnakumar, V. and Sheela, V.L. 2014. Growth and flowering pattern of *Heliconia stricta* as intercrop in coconut gardens. p. 76.
- Niral, V., Jerard, B.A., Samsudeen, K., Jose, C.T. Evaluation of variability in coconut germplasm with special reference to ecologically important traits. p 32.
- Rachana, K. E., Rajesh, M. K., Fayas, T. P., Merin Babu, Shareefa, M., Thomas, R. J. and Anitha Karun. Analysis of differential expression of defense-

related genes responsive to root (wilt) related disease in coconut. p. 121.

Radha, E., Anitha Karun, Ananda, K. S. and Rajesh, M. K. Direct and indirect somatic embryogenesis in arecanut via ovary culture. p. 30-31.

Rajesh, M. K., Fayas, T. P., Naganeeswaran, S., Rachana, K. E., Sajini, K. K. and Anitha Karun. Identification, characterization and expression analysis of genes key to somatic embryogenesis in coconut. p. 34-35.

Rajesh, M. K., Sabana, A. A., Rachana, K. E., ShafeeqRahman, Ananda, K. S. and Anitha Karun. Development of Start Codon Targeted polymorphism (SCoT) markers for differentiating tall and dwarf accessions of arecanut. p. 30.

Samsudeen, K., Rajesh, M. K., Niral, V., Jerard, B. A. and Anitha Karun. Diversity analysis of in situ dwarf coconut population from Kerala indicates geographical area of origin. p. 31.

Selvamani V., Subramanian P., Ravi Bhat and Surekha 2014. Soil fertility and coconut productivity improvement of Mixed farming and nutrient management practices in coconut based cropping system. p: 65.

Senthil Amudhan, M., Nagaraja, N. R., Ravi Bhat and Sujatha, S. Studies on zinc deficiency in antioxidant enzyme activities of arecanut (*Areca catechu* L.) p. 72.

Shafeeq Rahman, Gangaraj, K. P., Naganeeswaran, S., Rajesh, M. K. and Anitha Karun. Gibberellin 2-oxidases in coconut: Cloning, isoforms, structure, allele mining and expression studies. p. 33.

Srinivasan, T., Rajamanickam, K., Chandrika Mohan and Maheswarappa, H.P. Integrated pest management of rhinoceros beetle. p. 134.

Subramanian, P., Krishnakumar, V., Alka Gupta, George V. Thomas, Murali Gopal, Palanisami, C. and Selvamani, V. Evaluation of organic practices on soil health and productivity of coconut. p. 75.

Subramanian, P., Maheswarappa, H.P., Zhacharia, T.J., Ravi Bhat and Surekha. Performance of

black pepper in coconut based high density multi species cropping system under different nutrient management.

Thomas, R. J., Josephraj Kumar, A., Shareefa, M., Ranjith, P. B. and Rema, L. Studies on pollination biology of coconut. p. 37.

Vaishna, V., Shareefa, M., Sreelekshmi, J. S., Thomas, R. J. and Nampoothiri, C. K. Germination and plantlet development of *in vitro* cultured embryos of healthy and root (wilt) affected palms. p. 133.

Popular articles

Acharya, G.C. and Singh, L.S. 2014. Arecanut based cropping system: Alternative pathway to achieve sustainability in North Eastern India. *Indian J. Arecanut, Spices & Medicinal Plants*, 16 (1): 23-26.

Ananda, K.S. and Chowdappa, P. 2014. Improved varieties to make India self-sufficient in arecanut. *Indian Hort.* 59 (6): 63-66.

Anithakumari, P., Chandrika Mohan, Krishnakumar, V., Muralidharan, K. and Chowdappa, P. 2014. Through area-wide farmer's participatory approach-Managing coconut rhinoceros beetle. *Indian Hort.* 59(6): 39-41.

Anonymous. 2014. 'Kalamruta' Idu Thengina Hoopana- Sirismrudhi a Kannada monthly magazine April 2014.

Anonymous. 2014. 'Kalparasa' Thengina Baleya Hombaleya Varadana. In Udayavani Kannada newspaper 5 May 2014.

Anonymous. 2014. Kalparasa, health drink from coconut tree, could be a hit. Bangalore Mirror. May 19, 2014.

Anonymous. 2014. New coconut health drink. News and Events. Civil Society Online June 2014.

Elain Apshara, S. 2014. Clonal evaluation of cocoa hybrids and their parents. *The Cashew and Cocoa J.* 3(3): 17- 21.

Elain Apshara, S. 2014. Performance of elite cocoa clones under coconut in double hedge system of planting. *The Cashew and Cocoa J.* 3(2): 13-16.

Hebbar, K.B and Arivalagan, M. 2015. Health benefits of coconut oil. *Indian Coconut J.* 57 (9): 27-30

Hebbar, K.B. and Arivalagan, M. 2014. Climate

- change adaptation in coconut: A coconut based farming system approach. *Indian Coconut J.* **57** (8): 28-31.
- Himadri Rabha, Ranjana Chakrabarty and Acharya, G.C. 2014. Insect pest and diseases of arecanut in Assam and their management. *Indian J. Arecanut, Spices & Medicinal Plants*, **16** (1): 31-43.
- Jayasekhar, S., Chandran, K.P., Thamban, C., and Muralidharan, K. 2014. Price stabilization through stakeholder synergy: The key to revitalize coconut sector. *Indian Coconut Journal*. **56** (2) 20-23.
- Jayashree M P. 2014. Koon krishi – vithu muthal achar vare. *Karshakashree*. December, 2014.
- Jeena Mathew, Krishnakumar, V. 2014. Thengu - Nerarinju Poshanam Nirbandham. *Kerala Karshakan*. **59** (10): 30-32.
- Jissy George and Lekha, G. 2014. Turmeric as cosmetics and plant protection agent. *Karshakan*. **22** (4): 17-19.
- Jissy George and Muralidharan, P. 2014. Processing and marketing of turmeric and oriental pickling melon-success of two women groups. *Kerala Karshakan*, **60**(2): 36-37.
- Jissy George and Muralidharan, P. 2015. Medicinal values of virgin coconut oil and enhanced profit from diversified coconut products. *Karshakasree* **21**(3):49,52.
- Josephraj Kumar, A., Sunny Thomas, Shanavas, M. and Chandrika Mohan 2014. Managing the hidden villain in coconut garden. *Kerala Karshakan e-journal* **2**(4): 21-27.
- Leena, S. and Thamban, C. 2014. Plant protection in organic farming (in Malayalam). In: Jaivam-2014. Edited by C. Thamban and K. M. Mohammed. Published by Souvenir committee, Office of the Principal Agricultural Officer, Kasaragod. pp. 101-107.
- Leena, S., Manojkumar, T.S. and Savitha, K.V. 2014. Nanmayum Menmayumarnna Jaivasamyukthangal. *Krishiyankanam*. **19**(1):24-26.
- Leena, S., Manojkumar, T.S. 2014. Vazhuthanavargavilakalude krishi reethikal. *Jalakarshakan*. **1**(3): 52-54.
- Lekha, G. and Muralidharan, P. 2014. Giriya's Sneha mushroom. *Karshakan*, **22**(9): 37, 47.
- Lekha, G., Muralidharan, P. and Jissy George 2014. Karthika ginger variety for good yield and quality. *Krishiyankanam* **19**(2):44-45.
- Mathew, A.C. and Thamban, C. 2015. Technology for virgin coconut oil production *Karshakashree*. **21** (3): 48-51 (in Malayalam).
- Muralidharan, P., Rajeev, M. S., Reema Anand, and Anjali, R. Nathan 2014. Drum seeder for reducing cost of cultivation in paddy. *Kerala Karshakan* **60** (4): 28-29.
- Niral, V., Jerard, B.A., Jayasekhar, S. and Chowdappa, P. 2014. Tender coconut for nutritional security. *Indian Horticulture*. 59: 25-27.
- Rajeev, M.S and Muralidharan, P. 2014. Arka Abha-a tomato variety suitable for Kerala. *Karshakan*, **22**(9): 46-47.
- Ravi Bhat, Sujatha, S. and Chowdappa, P. 2014. Arecanut based cropping system fetches more returns. *Indian Horticulture*. **59**: 67-69.
- Ravi, S. and Muralidharan, P. 2014. Integrated duck and fish farming: A sustainable and viable farming system in Kerala, *Kerala Karshakan e-Journal*. **2**(3): 42-47.
- Ravi, S. and Muralidharan, P. 2014. Oral pellet vaccine against Ranikhet in Poultry *Kerala Karshakan*. **60**(3): 62-63.
- Ravi, S. and Muralidharan, P. 2015. Farmer designed milking machine. *Kerala Karshakan*, **60**(8):62-63.
- Sajnanath, K. and Muralidharan, P. 2014 .Use of micronutrient mixture in vegetable cowpea cultivation for increase in yield. *Karshakan*. **22**(11):25-26.
- Subramanian, P. and Thamban, C. 2014. Intercropping of fodder crops in coconut garden. *Indian Coconut Journal* **56**(12) & **57** (1): 36-40.
- Subramanian, P., Thamban, C. and Maheswarappa, H. P. 2014. Coconut based farming system for higher income and employment opportunities. *Indian Coconut J.* **57** (2): 24-28.
- Sunny Thomas, Shanavas, M. Josephraj Kumar, A. and Chandrika Mohan. 2014. How to manage red palm weevil (Malayalam) *Karshakasree* **20**(12): 36-38.

- Thamban, C. 2014. Let us regain the coconut prosperity. *Karshakanadam*. **32** (3) : 31-35 (in Malayalam).
- Thamban, C., Chandran, K. P., and Jayasekhar, S. 2014. Coconut based farming system for higher income-Success story of a Kera Kesari. *Indian Coconut J.* **57**(8): 36-38.
- Thamban, C., Chandran, K.P. and Jayasekhar, S. 2014. A Karshakamithra to serve the coconut farming community. *Indian Coconut J.* Vol LVII (5) : 20-23.
- Thamban, C., Jesmi Vijayan and Mohammed Basheer. 2014. Integrated management of Thanjavur wilt disease of coconut (in Malayalam). *Karshakashree*. **21** (2): 77-78.
- Thomas, R.J., Shareefa, M., Krishnakumar, V. and P. Chowdappa. 2014. Coconut varieties tolerant to root (wilt) disease. *Indian Horticulture* 59 (6): 28-29.
- Book Chapter**
- Jaganathan, D. Alagar, M. and Nagaraja, N. R. 2014. Safe use of pesticides for plant health management. In: *e-Manual on pests and diseases management in palms and cocoa*. (Eds.) Vinayaka Hegde and Subaharan, K., May 2014, CPCRI, Kasaragod, Kerala, p. 66-78.
- Josephraj Kumar, A. and Chandrika Mohan 2014. Disrupting Insect Luminal Enzymes for Pest Management. In: *National Symposium on Entomology as a Science and IPM as a technology-the way forward (compilation of invited lectures)* V.V. Ramamurthy and Subramanian (Eds.), Entomological Society of India, New Delhi. pp. 155-166.
- Leena S. and Thamban C. 2014. Plant protection in organic farming practices. In: Jaivam-2014. Edited by C. Thamban and K. M. Mohammed. Published by Souvenir committee, Office of the Principal Agricultural Officer, Kasaragod. Pp. 101 – 107.
- Leena, S. and Manojkumar, T.S. 2014. Organic bioformulations for the management of banana pseudostem weevil. In: Jaivam-2014. Edited by C. Thamban and K. M. Mohammed. Published by Souvenir committee, Office of the Principal Agricultural Officer, Kasaragod. Pp. 52 – 57.
- Manikantan, M.R., Arivalagan, M., Mathew, A.C., Hebbar, K.B., Arumuganathan, T., Madhavan, K. and Don Bosco, S.J. 2014. Entrepreneurship driven post harvest processing and value addition technologies of coconut. In: *Agribusiness Management – Opportunities and Challenges*. Edited by Achar, AP., Chandrashekara, P., Lokesh. Sahyadri College of Business Administration, Mangalore. Pp 50-54.
- Niral, V. 2014. Current status of coconut genetic resources, conservation and utilization in India. In: *National Seminar on Challenges & innovative approaches in crop improvement*, Agricultural College & Research Institute, Madurai, TNAU, India, pp. 64-66.
- Niral, V., Jerard, B.A. and K.S. Ananda. 2015. Species utilization for plantation crops improvement. In: *Souvenir of lead papers and abstracts-National meet on distant hybridization in horticultural crop improvement*, ICAR-IIHR, Hessraghatta Lake, Bangalore. Pp. 182-190.
- Thamban, C. 2014. Soil health management for sustainable agricultural development-Scenario in Kasaragod district (in Malayalam). In: *Jaivam-2014*. Edited by C. Thamban and K. M. Mohammed. Published by Souvenir committee, Office of the Principal Agricultural Officer, Kasaragod. pp: 27-30.
- Thomas, G.V., Thamban, C. and Subramanian, P. 2014. Organic farming technologies for sustainable coconut production (in Malayalam). In: *Jaivam-2014*. Edited by C. Thamban and K. M. Mohammed. Published by Souvenir committee, Office of the Principal Agricultural Officer, Kasaragod. pp: 18-25.
- George V. Thomas, Niral, V. and Jerard, B. A. 2014. Current status of coconut diversity conservation and utilization in India. In: *Improving productivity and profitability in coconut farming*. 2014. George V. Thomas, V. Krishnakumar and B. Augustine Jerard (Eds.). Proc. International Conference on Coconut Biodiversity for Prosperity, Central Plantation Crops Research Institute, Kasaragod, Kerala, India. Pp. 10-21.
- Niral, V., Jerard, B.A., Samsudeen, K., Patil, D.V., Ananda, K.S., Nair, R.V. and George

- V. Thomas. 2014. International coconut gene bank for South Asia-Conservation and characterization. *In: Improving productivity and profitability in coconut farming.* 2014. George V. Thomas, V. Krishnakumar and B. Augustine Jerard (Eds.). Proc. International Conference on Coconut Biodiversity for Prosperity, Central Plantation Crops Research Institute, Kasaragod, Kerala, India. 35-40pp.
- Samsudeen, K., D.D. Nagwaker, Anitha Karun, Niral, V., Jerard, B.A., Ajith Kumar, P., Devadas, K. and Nair, R.V. 2014. 'Mohacha Nara'- A coconut with sweet endosperm from Maharashtra, India. *In: Improving productivity and profitability in coconut farming.* 2014. George V. Thomas, Krishnakumar, V. and Augustine Jerard, B. (Eds.). Proc. International Conference on Coconut Biodiversity for Prosperity, Central Plantation Crops Research Institute, Kasaragod, Kerala, India. 49-52pp.
- Deva Kumar, K., Jerard, B. A., Dhanapal, R., Damodaran, V., Niral, V and Naganeeswaran, S. Genetic relatedness of coconut populations from Andaman and Nicobar Islands traced to the Indian subcontinent using microsatellite markers. *In: Improving productivity and profitability in coconut farming.* 2014. George V. Thomas, V. Krishnakumar and B. Augustine Jerard (Eds.). Proc. International Conference on Coconut Biodiversity for Prosperity, Central Plantation Crops Research Institute, Kasaragod, Kerala, India. 67-75pp.
- Arunachalam, V., Jerard, B.A., Manju, K.P. and Niral, V. 2014. Alternate genetics and genomics of coconut *In: Improving productivity and profitability in coconut farming.* 2014. George V. Thomas, V. Krishnakumar and B. Augustine Jerard (Eds.). Proc. International Conference on Coconut Biodiversity for Prosperity, Central Plantation Crops Research Institute, Kasaragod, Kerala, India. 97-101pp
- Niral, V., K. Samsudeen, and R.V. Nair. 2014. Genetic resources of coconut. *In: Improving productivity and profitability in coconut farming.* 2014. George V. Thomas, V. Krishnakumar and B. Augustine Jerard (Eds.). Proc. International Conference on Coconut Biodiversity for Prosperity, Central Plantation Crops Research Institute, Kasaragod, Kerala, India. 22-28pp.
- R.V. Nair, K. Samsudeen, V. Niral and R.J. Thomas. 2014. Genetic resources of coconut. *In: Improving productivity and profitability in coconut farming.* 2014. George V. Thomas, V. Krishnakumar and B. Augustine Jerard (Eds.). Proc. International Conference on Coconut Biodiversity for Prosperity, Central Plantation Crops Research Institute, Kasaragod, Kerala, India. 35-40pp.
- ### Books
- AICRP on Palms, 2014. Annual Report for 2013-14. All India Coordinated Research Project on Palms. (Eds, Maheswarappa, H. P., Krishnakumar, V. and Rajkumar). AICRP on Palms, CPCRI, Kasaragod. 136p.
- George V. Thomas, Jaganathan, D., Nagaraja, N.R., Ananda, K.S., Ravi Bhat, Vinayaka Hegde, Rajkumar, Hebbar, K.B. and Thamban, C. 2014. Reasearch-Farmer-Extension Interface on Coconut and Arecanut- An effective strategy for bridging the knowledge gap. CPCRI, Kasaragod March 2014, 69p.
- George V. Thomas, Jerard, B.A., Krishnakumar, V., Chandran, K.P., Muralikrishna, H. and John George 2014. A Decade of Growth and Achievements of CPCRI 2005-2014. CPCRI, Kasaragod. p. 107.
- George V. Thomas, V. Krishnakumar and Augustine Jerard, B. (Eds.). 2014. Improving productivity and profitability in coconut farming. Proc. International Conference on Coconut Biodiversity for Prosperity, Central Plantation Crops Research Institute, Kasaragod, Kerala, India. p. 494.
- ### Technical Bulletin
- Ananda, K. S., Nagaraja, N. R., Elain Apshara, S. and Jaganathan, D. 2015. Arecanut calendar (Kannada), ICAR-CPCRI, Kasaragod – 671 124, Kerala. 43 p.
- Chowdappa, P., Muralikrishna, H. and Mathew, A.C. 2015. Entrepreneur and Farmer Friendly Technologies. CPCRI, Kasaragod. p. 36.
- Krishnakumar, V., Jerard, B.A. Josephraj Kumar, A and George V. Thomas. 2014. Four decades of CPCRI interventions on coconut based Island ecosystem



- at Minicoy, Lakshadweep. Technical bulletin No. 86, CPCRI, Kasaragod, P. 27.
- Jissy George and Muralidharan, P. 2014. Value added products from jackfruit. 32p.
- Leena, S., Thamban, C. and Manojkumar, T.S.. 2015. Jaivakrishiyile Sasyasamrakshanam.36 p.
- Leena, S., Thamban, C. and T.S. Manojkumar. 2015. Keetanasaka seshiyulla sasyangalum avayude upayogakramavum. 32 p.
- Leena, S., C.Thamban and T.S.Manojkumar. 2015. Thenginte Aarogya Paripalanam. 40 p.
- Maheswarappa, H. P. and Rajkumar 2014. Research Accomplishments of AICRP on palms. Technical Bulletin No. 85. CPCRI, Kasaragod. 54 p.
- Niral, V., B Augustine Jerard, Samsudeen, K., Regi J. Thomas and George V. Thomas. 2014. Coconut Varieties and Hybrids. CPCRI Technical Bulletin No. 87. Central Plantation Crops Research Institute, Kasaragod, Kerala, India, 40 p.
- Subramanian, P., Dhanapal, R., George V. Thomas, Maheswarappa, H. P. and Thamban, C. 2014. Coconut based integrated farming system. Technical bulletin No. 78. Central Plantation Crops Research Institute, Kasaragod. 32 p.
- Thamban, C, Leena, S. and Manojkumar, T. S. 2015. Plant protection in organic farming (in Malayalam). KVK, ICAR-CPCRI, Kasaragod and State Planning Board, Kerala. 36 p.
- Extension folder**
- Ananda, K. S.,Nagaraja, N. R., Jaganathan, D. and Jose, C. T. 2015. Sudhaaritha Adike Taligalu Mattu Sankaranagalu. Extension Folder (No. 225). ICAR-CPCRI, Kasaragod – 671 124, Kerala (in Kannada).
- Chandrika Mohan and Josephraj Kumar, A. (2015) Beware of the invasive pest, coconut leaf folder, *Brontispa longissima*, Extension folder No. 226, ICAR-CPCRI, Kasaragod.
- Leena, S. Shyamaprasad, K. Rajkumar, Manojkumar, T.S. 2015. Management of pseudostem weevil 8 p (in Kannada).
- Leena, S., Manojkumar, T.S. 2015. Management of pseudostem weevil 8 p. (in Malayalam).
- Neelofar, I.K., and Jayashree, M. P. *Chakka- vividha samskarana maarggangal* (in Malayalam).
- Sanalkumkar, R. and Jayashree, M.P. 2014 *Mushroom Cultivation* (in Malayalam).
- Thamban, C., Prathibha, V.H. and Krishnan, M. 2014. Kavunginte Mahali rogam. Extension publication No. 216. Central Plantation Crops Research Institute, Kasaragod (in Malayalam).
- Thamban, C., Prathibha, V.H. and Krishnan, M. 2014. Thenginte chenmeerolippu rogam. Extension publication No. 214. Central Plantation Crops Research Institute, Kasaragod (in Malayalam).
- Thamban, C., Prathibha, V.H. and Krishnan, M. 2014. Thenginte koombu cheeyal-Samyojitha niyanthrana reethikal. Extension publication No. 213. Central Plantation Crops Research Institute, Kasaragod (in Malayalam).
- Thamban, C., Prathibha, V.H. and Krishnan, M. 2014. Thenginte Thanjavur vattam Extension publication No. 215. Central Plantation Crops Research Institute, Kasaragod (in Malayalam).
- Thomas, R.J., Shareefa, M. and Krishnakumar, V. 2014. Scientific management of coconut seedlings. CPCRI, Kayamkulam (In Malayalam).
- Training Manual**
- Anithakumari, P., Josephraj Kumar, A. and Nihad, K. 2014. Orienting Student Ready for Next Generation Agriculture. *Training Manual on Research Methodologies and Farmer Participatory Techniques in Agriculture*, CPCRI, Regional Station, Kayamkulam, 62 p.
- Thomas, R.J. and Shareefa, M. 2014. Manual on "Advances in production of quality planting materials of plantation crops". CPCRI, Regional Station, Kayamkulam, Kerala 212 p.
- Elain Aphara, S., Jaganathan, D. and Ananda, K. S. 2015. *Training Manual on Cocoa Production and Processing Technologies*, CPCRI, Regional Station, Vittal, Karnataka. 117 p.
- E-Publication**
- Thajudin, S. and Chandrika Mohan 2014. Bibliography on red palm weevil (*Rhynchophorus ferrugineus*) - a pest of palms. www.cpcri.gov.in/publication/coconut.html.