

Institute projects (2024-25)

Project No.	Project title	Project leader	Co-PI / Associates
1000761101	Studies on phenology of coconut genotypes in different climatic zones	T.N. Ranjini	V. Niral, R. Sudha, Arun Kumar Sit, L.S. Singh and Y. Diwakar
1000761102	Studies on impact of high temperature stress on reproductive phase in coconut	R. Sudha	K. Samsudeen, S.V. Ramesh, K.B. Hebbar, T.N. Ranjini, V. Niral and Ravi Bhat
1000761103	Development of descriptor and basic studies on growth and development of palmyrah	S. Sumitha	B. Augustine Jerard, S. Elain Apshara, M.R. Manikantan, Anok Uchoi, A. Abdul Haris, scientists from AICRP on Palms- Killikulam, Pandirimamidi and Kondamallepally,
1000761104	Phenotyping and gene expression studies for low moisture stress tolerance in cocoa genotypes	M. Suchithra	S. Elain Apshara and S.V. Ramesh
HORTPCSIL 202400100123	Genetic resources management and genetical investigations and breeding for improved varieties of coconut	V. Niral	K. Samsudeen, Arun Kumar Sit, L.S. Singh, Alpana Das, R. Sudha, Y. Diwakar, T.N. Ranjini, M. Sujithra, V.H. Prathibha, K.B. Hebbar, S.V. Ramesh, P.P. Shameena Beegum, M.R. Manikantan, M.K. Rajesh, B. Augustine Jerard, S. Elain Apshara, N.R. Nagaraja, M. Suchithra, P. Subramanian, M. Chaithra, C. Thamban
HORTPCSIL 202400200124	Genetic resources management and genetical investigations and breeding for improved varieties of arecanut	N.R. Nagaraja	V. Niral, Arun Kumar Sit, L.S. Singh, Y. Diwakar, T.N. Ranjini, T.N. Madhu, E.K. Saneera, R. Thava Prakasa Pandian, M.K. Rajesh
HORTPCSIL 202400300125	Genetic resources management and genetical investigations in cocoa (<i>Theobroma cacao</i> L.)	S. Elain Apshara	M. Suchithra, M.R. Manikantan, M. Shareefa, L.S. Singh, Anok Uchoi, Murali Gopal, Arun Kumar Sit, E.K. Saneera, Y. Diwakar, M. Chaithra, Babli Mog, ICAR-DCR, Puttur

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HORTPCSIL 202400400126	Breeding for resistance/ tolerance to coconut root (wilt) disease	Regi Jacob Thomas	M. Shareefa, A. Josephraj Kumar, Sandip Shil, S. Sumitha, V. Niral, K. Samsudeen, S. Elain Apshara, N.R. Nagaraja, M. Suchithra, Y. Diwakar, Alpana Das, Merin Babu, L.S. Singh
HORTPCSIL 202400500127	Molecular characterization of cocoa accession and identification of genotypes tolerant to <i>Phytophthora</i> disease	Alpana Das	M. Chaithra, S. Elain Apshara, L.S. Singh
HORTPCSIL 202400600128	Qualitative breeding for development of fine cocoa varieties (<i>Theobroma cacao</i> L.)	S. Elain Apshara	S.V. Ramesh, P.P. Shameena Beegum
HORTPCSIL 202400700129	Genetic diversity assessment and development of markers for sex determination and dwarfness in palmyrah (<i>Borassus flabellifer</i> L.)	M.K. Rajesh	B. Augustine Jerard, S. Sumitha
HORTPCSIL 202400700130	Enhancing mass multiplication and germplasm conservation of coconut and arecanut through tissue culture and cryopreservation techniques	M.K. Rajesh	V. Aparna, M. Shareefa, Regi Jacob Thomas, V. Niral, K. Samsudeen, T.N. Ranjini, S. Paulraj, R. Sudha, N.R. Nagaraja, M. Suchithra, Y. Diwakar, Surekha, G. Panjavarnam, Thava Prakasa Pandian, Alpana Das
1000761030	Biotechnological applications in palms and cocoa	M.K. Rajesh	V. Aparna, Murali Gopal, Alpana Das, V. Niral, K. Samsudeen, R. Sudha, S.V. Ramesh, Elain Apshara, N.R. Nagaraja, V.H. Prathibha, M. Sujithra, T.N. Ranjini, M. Suchithra, K.P. Chandran, Y. Diwakar, Bhavishya, G. Panjavarnam, A . Josephraj Kumar, Merin Babu, R. Thava Prakasa Pandian, Rajkumar and S. Paulraj

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1000763057	Cropping/ farming approaches for improving soil health and system productivity in coconut, arecanut and cocoa	P. Subramanian	Ravi Bhat, Surekha, G. Panjavarnam, S. Neenu, Alka Gupta, V. Selvamani, K. Nihad, A. Abdul Haris, Bhavishya, S. Indhuja, S. Jayasekhar, U.K. Priya, L.S. Singh, Anok Uchoi, S. Paulraj, Arun Kumar Sit, M. Chaithra, Alpana Das
1000763058	Enhancing nutrient and water use efficiency for sustained productivity in coconut, arecanut and cocoa	V. Selvamani	P. Subramanian, Ravi Bhat, S. Neenu, A. Abdul Haris, Jeena Mathew, K. Nihad, Surekha, U.K. Priya, Bhavishya, G. Panjavarnam, S. Indhuja, S. Paulraj, Anok Uchoi, P. Anithakumari, R. Thava Prakasa Pandian, V. Niral, B. Augustine Jerard, S. Sumitha, Merin Babu, Jilu V. Sajan, S.V. Ramesh, L.S. Singh
1000763055	Bioresources management in coconut, arecanut and cocoa	Alka Gupta	P. Anithakumari, Murali Gopal, P. Subramanian, Ravi Bhat, Surekha, S. Elain Apshara, Rajkumar, Sandip Shil, V. Selvamani, U.K. Priya, S. Indhuja, A. Abdul Harris, K. Nihad, Jeena Mathew, S. Neenu, Merin Babu, Shameena Beegum and S.V. Ramesh
1000763103	Bioprospecting of phyllosphere bacteria in coconut and cocoa	S. Paulraj	M.K. Rajesh, S.V. Ramesh, Ravi Bhat, Thava Prakasa Pandian, M. Sujithra
1000763106	Studies on carbon sequestration potential of coconut based fruit cropping system — A strategy to mitigate climate change	H. P. Maheswarappa	P. Subramanian, S. Neenu, Murali Gopal
1000765039	Integrated approaches for management of fungal diseases of palms and cocoa	Vinayaka Hegde	V.H. Prathibha, R. Thava Prakasa Pandian, M. Chaithra, M.K. Rajesh, Bhavishya, M. Chaithra, Rajkumar, T.N. Madhu, Daliyamol

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1000765040	Diagnostics and management of root (wilt) disease (RWD) in coconut and yellow leaf disease (YLD) in arecanut	Vinayaka Hegde	K.B. Hebbar, Murali Gopal, A. Josephraj Kumar, M.K. Rajesh, S.V. Ramesh, Merin Babu, Daliyamol, S. Indhuja, R. Thava Prakasa Pandian, M. Chaithra, Bhavishya, Jilu V. Sajan, Saneera E.K., Madhu, T. N., and Chaithra M.
1000765041	Integrated management of pests and nematodes in palms and cocoa	A. Josephraj Kumar	P.S. Prathibha, Rajkumar, M. Sujithra, Jilu V. Sajan, E.K. Saneera, T. N. Madhu, Merin Babu, K. M. Anes, M. Chaitra, R. Thava Prakasa Pandian, Daliyamol, Bhavishya
1000765101	Elucidating host pathogenic response against fruit rot disease in arecanut	V. H. Prathibha	N.R. Nagaraja, M.K. Rajesh, R. Thava Prakasa Pandian, Daliyamol and Vinayaka Hegde
1000765102	Epidemiology and management of <i>Colletotrichum</i> diseases in palms and cocoa	R. Thava Prakasa Pandian	Vinayaka Hegde, Merin Babu, V.H. Prathibha, M. Chaithra, Daliyamol, M. Chaithra, M.K. Rajesh, S. V. Ramesh, Bhavishya, T.N. Madhu, N.R. Nagaraja, Y. Diwakar, and K. P. Chandran
1000765108	Biological management of <i>Phytophthora</i> diseases in cocoa with indigenous microbes	M. Chaithra	S. Elain Apshara, M. Suchithra, Vinayaka Hegde, R. Thava Prakasa Pandian, Bhavishya, T.N. Madhu, E.K. Saneera
1000765104	Management of sucking pests using microbial volatile and essential oils in palms and cocoa	T.N. Madhu	E.K. Saneera, Y. Diwakar, R. Thava Prakasa Pandian, A. Josephraj Kumar, Jilu V. Sajan, M. Sujithra, P.S. Prathibha, Murali Gopal, M. Chaithra
1000765106	Biological control of coconut coreid bug, <i>Paradasynus rostratus</i> Distant using egg parasitoid, <i>Anastatus</i> sp.	Jilu V. Sajan	A. Josephraj Kumar, P.S. Prathibha, Merin Babu, K.M. Anes, T.N. Madhu

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1000765105	Characterization of mite complex in arecanut and development of botanical based formulations for their management	E.K. Saneera	N.R. Nagaraja, P.S. Prathibha, M. Suchithra, M.K. Rajesh, T.N. Madhu, A. Josephraj Kumar, S.V. Ramesh, M. Chaitra
1000765107	Studies on host range expansion of red palm weevil and IPM in arecanut	P.S. Prathibha	E.K. Saneera, T.N. Madhu, M. Chaitra
1000766014	Physiological and biochemical investigations of yield and quality in palms and cocoa	Murali Gopal	S.V. Ramesh, S. Elain Apshara, Arun Kumar Sit, N.R. Nagaraja, L.S. Singh, Anok Uchoi, R. Sudha, Y. Diwakar, M.R. Manikantan, Surekha, Bhavishya, Sandip Shil and S. Neenu
1000767018	Mechanization, processing, product diversification, and nutraceutical properties	M.R. Manikantan	P.P. Shameena Beegum, S.V. Ramesh, Murali Gopal, S. Paulraj, Alka Gupta, S. Elain Apshara
1000767027	Development of process technology for coconut milk based dairy analogues	P.P. Shameena Beegum	M.R. Manikantan, Murali Gopal, K.B. Suresha, UAS, Bangalore
1000767028	Development and evaluation of rotary dryer cum flavour coating machine for production of coconut chips	M.R. Manikantan	P.P. Shameena Beegum
1000767029	Development and characterization of biodegradable plate from cocoa pod husk	M.R. Manikantan	S. Elain Apshara, Anjineyulu Kothakota, CSIR-NIIST
1000767110	Use of simulation models for the production system analysis of palms and cocoa	M. Sujithra	K.B. Hebbar, B. Augustine Jerard, K.P. Chandran, Sandip Shil, K. Muralidharan, V. Selvamani, R. Sudha, Anok Uchoi, A. Josephraj Kumar, P. Subramanian, Daliyamol, T.N. Madhu, E.K. Saneera, P.S. Prathibha, R. Thava Prakasa Pandian, Bhavishya, Surekha, T.N. Ranjini, V.S. Santhosh Mithra, ICAR – CTCRI, Thiruvananthapuram

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1000765103	Studies on acclimatization potential of <i>Phytophthora palmivora</i> under climate change scenario for prediction of disease risk	Daliyamol	M.K. Rajesh, Sandip Shil, Vinayaka Hegde, V.H. Prathibha, M. Sujithra, V. Selvamani, K.P. Chandran
1000765109	Development of standard operating procedures (SoPs) for drone based spraying operations in the management of pest and diseases in coconut and arecanut	Daliyamol	Vinayaka Hegde, V.H. Prathibha, R. Thava Prakasa Pandian, M. Sujithra, Bhavishya,
1000765110	Developing standard operating procedures (SoPs) for drone based spraying of nutrients in coconut and arecanut	Bhavishya	Ravi Bhat, R. Thava Prakasa Pandian, Surekha, P. Subramanian, Daliyamol, Vinayaka Hedge, M.K. Rajesh, Jeena Mathew, Manjunatha K., ICAR-DCR Puttur
1000765111	Development of an AI based mobile application for detection and advisory of diseases in coconut	Daliyamol	Vinayaka Hegde, R. Thava Prakasa Pandian, Jilu V. Sajan, B. Augustine Jerard, V.H. Prathibha, Merin Babu, M. Chaithra, M. Chaithra, Md. Ashraful Haque ICAR-IASRI, New Delhi, Shashi Dahiya ICAR-IASRI, New Delhi
HORTPCSIL 202400900131	Development of sensor based smart farming system for coconut	V. Selvamani	P. Subramanian, Ravi Bhat, Surekha
HORTPCSIL 202401000132	Development of UAV-based foliar spray of nano-urea for coconut	S. Neenu	P. Subramanian, Ravi Bhat, Daliyamol, P.S. Prathibha
1000769020	Technology transfer and co-learning action research approaches	C. Thamban	P. Anithakumari, K. Muralidharan, K.P. Chandran, S. Jayasekhar, Alpana Das, Arun Kumar Sit, Sandip Shil, K.M. Anes, P.S. Prathibha, Daliyamol, R. Thava Prakasa Pandian, Bhavishya
1000769013	Socioeconomic dimensions and value chain dynamics in policy perspective	S. Jayasekhar	K.P. Chandran, Sandip Shil, K. Muralidharan, C. Thamban, K. Ponnusamy

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1000769019	Development of statistical and computational techniques for improving research methodology	K.P. Chandran	K. Muralidharan, Sandip Shil, S. Jayasekhar, K. Ponnusamy, T.N. Madhu, R. Thava Prakash Pandian, E.K. Saneera and Bhavishya