

**PROCEEDING OF THE
XV INSTITUTE RESEARCH COUNCIL MEETING
HELD FROM 6TH TO 8TH June, and 25th July, 2022**

Dr. E. B. Chakurkar

Director

Chairman, Institute Research Council

Dr. Jai Sunder

Pr. Scientist & I/c PME

Secretary, Institute Research Council



ICAR-Central Island Agricultural Research Institute, Port Blair

A & N Islands 744 105



MINUTES OF THE PROCEEDINGS OF THE XV ISTITUTE RESEARCH COUNCIL MEETING HELD FROM 6TH TO 8TH June, and 25th July, 2022

The XV Institute Research Council meeting was held on 6-8th June, and 25th July 2022 under the Chairmanship of Dr. E. B. Chakurkar, Director, ICAR-CIARI, Port Blair. All the Scientists of the Institute attended the meeting and presented the progress of ongoing projects. At the outset Dr. Jai Sunder, Member Secretary welcomed the Director and all the Scientists to the meeting. A total of 34 ongoing projects and eleven new Institute funded projects were discussed and reviewed during the meeting.

In his opening remarks, Chairman stressed that projects should come out with some deliverables and technology for the farmers and end users. Research should develop useful technology for enhancing productivity, quality publication, and develop patent.

Dr. S.K. Zamir Ahmed, Member Secretary, 9th RAC presented the RAC recommendations of the 2nd meeting and requested all the scientists to initiate action for further refinement of their projects.

Presentations were made by all PIs followed by a detailed discussion of all the institute funded projects.

Rapporteurs

Session 1: Social Science Section & Regional Station, Minicoy
Rapporteurs: Dr.R.Jayakumaravaradan & Dr.J.Praveenraj

Session 2: Division of Field Crops & Improvement
Rapporteurs: Dr.K.Venkatesan & Dr.Ajit Arun Waman

Session 3: Division of Natural Resource Management
Rapporteurs: Dr. Sirisha Adamala & Dr P.Perumal

Session 4: Division of Fisheries
Rapporteurs: Dr.J.Praveenraj & Dr. R. Jayakumaravaradan

Session 5: Division of Animal Science
Rapporteurs: Dr.P.Perumal & Dr.K. Venkatesan

Session 6: Division of Horticulture & Forestry
Rapporteurs: Dr. Ajit Arun Waman & Dr. Sirisha Adamala

Annexure 1: Man month allocation in different projects

Annexure 2: List of the project along with Scientist requested to drop out as PI/Co-PI

Social Science Section
Ongoing Institute Funded Projects

Project1: Opportunities and challenges of sustaining agriculture in south Andaman district of Andaman and Nicobar Islands perspective

Project code: HORTCIARISIL202000700224

Duration: 2021-2023

PI: Dr. S.K. Zamir Ahmed (2)

Co.PIs: Dr. R. Jaya Kumaravaradan, (1), Shri. D. Karunakaran, (1), Dr. Gladston. Y, (1) & Dr. Y. Ramakrishna

Decisions taken:

1. To cover all strata belonging to different categories like small, marginal and big farmers.
2. To consider secondary agricultural activities like agro-tourism in the questionnaire
3. To include drivers like push and pull in data analysis
4. To remove Dr. L.B. Singh who got retired and include Dr. Y. Ramakrishna, Shri. D. Karunakaran, and Dr. Y. Gladston as Co-PIs.
5. To extend the project period up to 2024 with extended study area for whole of Andaman & Nicobar Islands and Minicoy.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1	Re-structuring the interview schedule			✓		SKZ, RJK, DK
2.	Data collection			✓	✓	SKZ,RJK,DK, YR, YG
3.	Data analysis, compilation and report writing				✓	SKZ,RJK,DK

Project2: Indigenous adaptation strategies of tribal farmers and impact of CIARI technologies in mitigating climate change effects on agriculture in Andaman and Nicobar Islands.

Project code: HORTCIARISIL201801800204

Duration: 2018-2021

PI: Dr. R. Jaya Kumaravaradan (5)

Co.PIs: Dr.S.K. Zamir Ahmed (1)

Decisions taken:

1. To propose a new project to study the impact of CIARI technologies.
2. To gather data on CIARI technologies from ITMU
3. To study the climate resilience and socio-economic impact of scientific poultry farming.
4. House approved to extend the project for a period of six months.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1.	To study the climate resilience and socio-economic impact of scientific poultry farming			✓	✓	RJK, SKZ
2.	Conceptualization of a new project to study the impact of CIARI technologies.			✓	✓	RJK
3.	Presentation of project proposal.				✓	RJK

Project 3: Agricultural information sharing and knowledge generation towards sustainable management of Island Ecosystem with special reference to fishery by developing mobile apps.

Project code: HORTCIARISIL201801900205

Duration: 2018-2021

PI: Shri. D. Karunakaran

Co.PIs: Dr. R. Kirubasankar

Decisions taken:

1. Vernacular names for different species of fishes for easy understanding among the locals
2. To transfer the app to Department of Fisheries, A & N Administration on payment basis.
3. The house approved the project to be closed.

New project

Project 1: Development of Island-based information management system for decision making in agriculture

Project code: HORTCIARISIL202200100230

Duration: 2022-2026

PI: Shri. D. Karunakaran (7)

Co.PIs: Dr. Sirisha Adamala (1) & Dr. S.K. Zamir Ahmed (1)

Decisions taken:

1. To focus on objective no. 2 and modify it accordingly.
2. Dr.R.Kirubasankar, Dr.P.Perumal & Dr. A.A. Waman to help in providing baseline data and passive information
3. Include data flow in the methodology to be provided by Dr A Velmurugan
4. The house approved the proposal in principal with suggested modification

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1.	System study of GIS and Remote Science			✓		DK
2.	Configuration of GIS server using web technologies				✓	DK
3.	Collection of Agricultural data from				✓	DK,SKZ, SA

	secondary data and report writing					
4.	Creation of Andaman and other boundary map				✓	DK, SA

New project-ICAR-CIARI, Minicoy, Regional Station, Lakshadweep

Project 1: Status of Tuna fishery of Minicoy Islands

Project code: HORTCIARISIL202200200231

Duration: 2022-2024

PI: Dr. Y. Gladston (6)

Co-PIs: Mrs. S.M. Ajina (3), Dr.V.M.Gafoor, Dr. E. B.Chakurkar

Decisions taken:

1. Collect information from all fishing Islands, including Minicoy
2. To document bait fish resources and its alternative.
3. To study value chain in Tuna processing.
4. Collect information on catch from other islands for stock studies
5. The house approved the project and suggested to submit RPP-I with suggested modification.

Activity for 2022-23

SN	Activity	Quarters				Persons identified
		I	II	III	IV	
1.	Questionnaire for tuna value chain analysis			✓		YG
2.	Cataloguing marine fish diversity			✓	✓	SMA, YG
3.	Biological analysis			✓	✓	YG, SMA
4.	Socio-economic structure of Minicoy fishermen			✓	✓	YG
5.	Information from other Islands				✓	VMG

Project 2: Integrated farming system for enhancing livelihood of tribal community of Minicoy Island.

Project code: HORTCIARISIL202200300232

Duration: 2022-2024

PI: Mrs. S. M. Ajina (6)

Co. PIs: Dr. S. K. Zamir Ahmed (1), Dr.Y. Gladston (2),
Dr. T. P. Swarnam (1), Dr.V.M.Gafoor & Dr.E.B.Chakurkar

Period: 2022-2024

Decisions taken:

1. To evaluate fodder grass (CO5) in coconut intercropping system.
2. To make feed for goats using broken rice, and coconut cake.
3. Establish goat cum coconut IFS at on-station and roof top gardens at farmers' fields
4. The house approved the project and suggested to submit RPP-I with suggested modification.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1	Concept , designing& development of IFS plots with compatible component			✓	✓	SMA, TPS
2	Fodder grass evaluation (Co-5), technologyapplication & to study the (EFS) Existing Farming System through survey.			✓	✓	SKZ, YG, SMA
3	Introduction of Goats as a vital component and its performance study				✓	EBC, VMG
4	Fisheries component (ornamental) for Income generation				✓	YG, SMA
5	Livestock component integration & its management study				✓	VMG

Project 3: Cataloguing of Ichthyofaunal diversity Minicoy, Atoll

Duration: 2022-2024

PI: Smti. S. M. Ajina

Co. PIs: Dr. S. K. Zamir Ahmed, Dr. Y. Gladston, Dr. Y. Gafoor & Dr. E.B. Chakurkar

Decisions taken:

1. To merge the project with Tuna project of Dr. Y. Gladston. To collaborate with other ICAR institution, scientists if needed.

Division of Field Crops Improvement & Protection
Ongoing Institute funded project

Project 1: Genetic improvement of rice for higher productivity in Andaman and Nicobar Islands conditions

Project Code: HORTCIARISIL201700700180

Duration: 2017-2022

PI: Dr. P. K. Singh

Co.PIs: Dr. K. Venkatesan & Dr. S.K. Zamir Ahmed

Decisions taken:

1. Improved lines developed under project should be evaluated at different SAUs along with AICRPs.
2. The house approved the project to be closed and PI has to submit the RPP-III with complete report.

Project 2: Enhancing pulse productivity of Andaman and Nicobar Islands through development and promotion of high yielding and stress tolerant varieties

Project Code: HORTCIARISIL201800700193

Duration: 2018-2022

PI: Dr.Venkatesan K

Co.PIs: Dr.P.K. Singh and Dr. S.K. Zamir Ahmed

Decisions taken:

1. To continue the experiment on *Vigna marina* crossing trials.
2. The house approved the project to be closed and the PI has to submit the RPP-III with complete report.

New project

Project 1: Harnessing variability of multi-parent advance generation inter-cross (MAGIC) population of rice for genetic improvement

Project Code: HORTCIARISIL202200400233

Duration: 2022-2026

PI: Dr. PK Singh (3)

Co. PIs:

Decisions taken:

1. Rice cooking quality of developed lines to be assessed along with other quality traits.
2. Selection criteria of any rice variety should be trait-specific along with yield.
3. The house approved the project and the PI has to submit the RPP-I with suggested modification

Activity for 2022-23

SN	Activity	Quarters				Persons identified
		I	II	III	IV	
1	Evaluation of rice AILs for yield and other yield attributing traits.	✓	✓	✓	✓	PKS
2	Evaluation of selected BLB resistant CARI Dhan 5 BILs for yield and other yield attributing traits in replicated trial.	✓	✓	✓	✓	PKS
3	Screening of rice AILs for salinity tolerance in controlled conditions (Micro-plots).	✓	✓	✓	✓	PKS
4	Screening of rice AILs for Bacterial leaf blight (BLB) resistant in field conditions through artificial inoculation method.		✓	✓	✓	PKS
5	Genotyping of rice AILs for BLB resistant, through DNA markers.		✓	✓	✓	PKS

Division of Natural Resource Management
Ongoing Institute Funded Projects

Project 1: Organic farming studies for sustaining productivity of Island cropping systems

Project Code: HORTCIARISIL201800900195

Duration: 2018-2023

PI: Dr. T. Subramani (2)

Co. PIs: Dr. Y. Ramakrishna

Decisions taken:

1. Develop organic farming packages for Islands by considering vegetable based system (medium & short duration) with maximum combinations on hilly & low land areas along with the existing coconut based system. Practice inorganic farming trial in one plot as control for the comparison
2. Plant Gliricidia as a support crop for black pepper and to include moisture conservation practices. A field layout with the existing and proposed crops may also be prepared
3. To permit for initiating new activity on 'natural farming' under this project.
4. The house suggested formulating technical program as per above interactions at divisional meeting to standardize package of practices for organic vegetables & coconut production for island cropping systems.
5. The house approved the project to be continued with the suggested modifications.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1.	Organic farming experiments in coconut and rice-vegetable cropping system			✓	✓	TS
2.	Moisture conservation practices			✓	✓	YR, TS
3.	Soil analysis and Quality analysis of organic produces	✓			✓	TS

Project 2: Study of hydrological response for soil and water conservation in Island ecosystem

Project Code: HORTCIARISIL201900200207

Duration: 2019-2022

PI: Dr. Sirisha Adamala (3)

Co. PIs: Dr.A. Velmurugan (1) & Dr.V. Damodaran

Decisions taken:

1. Field scale soil conservation plan with adequate measures.
2. Soil loss prediction for 2030 and 2050 years based on LULC change projections the two new activities with an extension up to March 2024.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1	Data collection (rainfall, runoff, silt, nutrient loss, soil analysis, etc) from runoff plots	✓	✓	✓	✓	SA,VD
2	Validation the revised Morgan Morgan Finney (MMF) soil erosion model for Island ecosystem	✓				SA
3	Identification erosion risk areas for suitable soil and water conservation measures		✓	✓		SA, AV
4	Field scale soil conservation plan with adequate measures			✓	✓	SA, AV

Project 3: Study of carbon foot prints in major farming systems of A&N Islands for climate change adaptation

Project Code: HORTCIARISIL202000500221

Duration: 2020-2023

PI: Dr. T.P. Swarnam (2)

Co. PIs: Dr. Sirisha Adamala (1)

Decisions taken:

1. To cover the soil sampling for entire Andaman and Nicobar Islands.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1.	Mapping present Land use of A & N Islands		✓			SA
2	Assessing Temporal and spatial changes of land use of A & N Islands			✓	✓	SA
3.	Conducting household survey in North and Middle Andaman to identify major farming systems			✓	✓	TPS
4.	Collection and determination of C from soil samples of major land use of Andaman Islands			✓	✓	SA, TPS
5.	Statistical analysis, interpretation and report preparation				✓	TPS

Project 4: Management of moisture stress in vegetable cropping systems

Project Code: HORTCIARISIL202000300220

Duration: 2021-2023

PI: Dr.T. Subramani (2)

Co. PIs: Dr. A. Velmurugan (1) & Dr.Sirisha Adamala(1)

Decisions taken:

1. To take soil moisture measurements at regular intervals as per the crop
2. The house approved the project to be extended for 6 months

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1.	Experiments on moisture stress management in brinjal, tomato, okra & cowpea	✓	✓		✓	TS, AV
2.	Soil moisture measurements	✓	✓		✓	SA, TS
3.	Plant water stress studies and quality of produces	✓	✓		✓	SA
4.	Soil analysis and data analysis	✓	✓			TS, AV

Project 5: Development of novel biostimulants for enhancing crop production under island agro-ecosystem

Project Code: HORTCIARISIL202000500222

Duration: 2021-2023

PI: Dr.T.P. Swarnam (3)

Co. PIs: Dr.A. Velmurugan (1) & Dr.T. Subramani (1)

Decisions taken:

1. It was also suggested to study effect of aqueous extract of seaweed on growth, yield and quality parameters of fruit crops (papaya & pineapple).
2. The house approved the inclusion of Dr. K. Saravanan as Co-PI.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1.	Collection of seaweeds and its preparation	✓	✓	✓	✓	TPS
2.	Preparation of different bio formulations, Conducting green house and field trials	✓	✓	✓	✓	TPS
3.	Analysis of crop and soil samples for different biochemical properties	✓	✓	✓	✓	AV
4.	Conducting field trials in farmers field			✓	✓	TS

Project 6: Valorization of organic wastes for abiotic stress management

Project Code: HORTCIARISIL202000600223

Duration: 2021-2023

PI: Dr.A. Velmurugan (2)

Co. PIs: Dr.T.P. Swarnam (1)

Decisions taken:

1. Do trial on different substrate for fast decomposition of the organic matter

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1.	Characterisation of compost	✓	✓			AV
2.	Extraction of bioactive substances for abiotic stress management		✓	✓		AV, TPS
3.	Preparation of standardization of valorised / bioactive materials		✓	✓		AV, TPS
4.	Study the effect of BAS on crop plants grown in different conditions			✓	✓	TPS

Division of Fisheries Science
Ongoing Intitute Funded Projects

Project 1: Assessment of elasmobranch fisheries of Andaman Islands
Project code: HORTCIARISIL201901100214
Duration: 2019-2022
PI: Dr. Y.Gladston
Co. PIs: Dr.R. KirubaSankar, Mrs.Ajina S. M, Dr.Deepitha R. P and Shri. Benny Varghese

Decisions taken:

1. The PI should make a report on management of shark fishery in the Andaman Islands for further submission to stakeholders.
2. The house approved to close the project as all the objectives were achieved.

Project 2: Biology and population dynamics of major perch fishes of Andaman Islands

Project code: HORTCIARISIL201901100217
Duration: 2019-2022
PI: Mrs. S.M. Ajina
Co. PIs: Dr. Gladston Y., Dr. R Kirubasankar, Dr. Sreepriya Prakasan & Dr. S. Murugesan

Decisions taken:

1. To prepare a document on diversity of the perch fishes and shared with local Administration.
2. The house approved to close the project.

Project 3: Prevalence of parasites of infesting commercial marine and freshwater fishes of Andaman Islands

Project code: HORTCIARISIL201900900214
Duration: 2019-2022
PI: Dr. J. Praveenraj (4)
Co. PIs: Dr. K. Saravanan (1)

Decisions taken:

1. Usage of Almond leaves in controlling the parasitic infection and the estimation of tannin contents to be carried out
2. Seek collaboration from concerned parasitologists for clarification
3. The house approved an extension up to March 2023 for the project

Activity for 2022-23

SN	Activity	Quarters				Persons identified
		I	II	III	IV	
1	Marine fish parasitology	✓	✓			JP, KS
2	Freshwater fish parasitology		✓	✓		JP, KS
3	Identification and characterization				✓	JP, KS
4	Data compilation and analysis				✓	JP, KS

Project 4: Exploring the post-harvest utilization and market potential for value added products from commercial fish landings of Andaman

Project code: HORTCIARISIL201901100216

Duration: 2019-2022

PI: Dr. Deepitha R. P

Co. PIs: Dr. Sreepriya Prakasan, Mrs. Ajina S. M., Dr.T. Sujatha and Dr.J. Praveenraj

Decisions taken:

1. To Prepare and submit a research publication from the project data.
2. The house approved to close the project since all the objectives were met.

Project 5: Seafood quality and safety assessment studies in commercial fish landing of Andaman Islands

Project code: HORTCIARISIL201900800213

Duration: 2019-2022

PI: Dr. Sreepriya Prakasan

Co. PIs: Dr. Deepitha R. P, Dr.K. Saravanan and Dr.Gladston Y

Decisions Taken:

1. To prepare a report on hygienic fish handlings practices and submit the same to the Fisheries department.
2. The house approved to close the project since all the objectives were met.

New projects

Project 1: Mapping the brackish water resources of South Andaman for aquaculture site suitability using GIS approach

Project code: HORTCIARISIL202200500234

Duration: 2022-2025

PI: Dr. R. Kirubasankar (3)

Co. PIs: Dr.K. Saravanan (1), Dr. Sirisha Adamala (1) &Dr. J. Praveenraj (1)

Decisions taken:

1. To initiate the project in South Andaman study sites for mapping and ground truth studies.
2. The house approved the project and suggested to submit RPP-I.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1	Identification of stakeholders engaged in brackish water farming	✓	✓	✓		RKS
2	Preparation of questionnaire, collection of data on farming practices through interviews		✓	✓	✓	RKS, KS
3	Preparation of LULC maps for the study area. South Andaman			✓	✓	SA
4	Ground verification of the LULC components using sampling				✓	RKS, SA

Project 2: Deciphering the *in-vitro* bioactive potential of selected seaweed species of Andaman Islands and evaluation of its immunomodulatory effect on fish

Project code: HORTCIARISIL202200600235

Duration: 2022-2025

PI: Dr.K. Saravanan (3)

Co. PIs: Dr. J. Praveenraj (2) & Dr. R. Kirubasankar(1)

Decisions taken:

1. To do the proximate composition analysis of seaweeds before its inclusion in the fish feed
2. To do carotenoid estimation of seaweeds
3. The house approved the project and suggested to submit RPP-I.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1.	Collection of six selected seaweed species comprising of red, green and brownseaweeds	✓				KS, RKS
2.	Proximate composition analysis of the collected seaweed species	✓				KS
3.	Preparation of seaweed extracts by using the different solvents		✓			JP
4.	Evaluation of <i>in vitro</i> antioxidant activities such as total phenol, flavonoid, antioxidant activity, ABTS, DPPH, reducing power, metalchelating activity, carotenoid content, etc.		✓	✓		KS, TPS
5.	Analysis of <i>in vitro</i> antibacterial activity of seaweed extracts against selected pathogenic bacteria			✓	✓	JP, RKS

Division of Animal Science
Ongoing Institute Funded Project

Project 1: Evaluation of hormonal and biochemical profiles of indigenous boar under abiotic stressors and melatonin intervention for its mitigation

Project code: HORTCIARISIL202000100218

Duration: 2020-2023

PI: Dr. Perumal P. (2)

Co.PIs: Dr. A.K. De (1) & Dr.R.R. Alyethodi (1)

Decisions taken:

1. Include female animals of Andaman local pig and male and female of Nicobari pig also.
2. Calculate the cardiac index, temperature humidity index and correlate the thermal parameters with experimental parameters.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1	Blood sample collection	√		√		PP, AKD
2	Estimation of hormones		√		√	PP, RRA
3	Estimation of biochemicals		√		√	PP

Project 2: Goat improvement through Assisted Reproductive Techniques in Andaman and Nicobar Islands

Project code: HORTCIARISIL202100400228

Duration: 2021-2024

PI: Dr. Perumal P. (2)

Co. PIs: Dr. R.R. Alyethodi (1)

Decisions taken:

1. Study the heat synchronization and fixed time insemination in goat
2. Artificial insemination needs to be done by the semen samples with different days of preservation
3. Study semen quality parameters upto 120-150 hours
4. Field insemination is to be implemented.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1	Melatonin injection	√	√	√	√	PP
2	Estimation of semen quality profiles and preservation and oestrus synchronization	√	√	√	√	PP,RRA
3	In-vivo fertility trial	√	√	√	√	PP

Project 3: Molecular Characterization of Immune System genes of Nicobari Fowl

Project code: HORTCIARISIL201700300176

Duration: 2017-2021

PI: Dr. K. Muniswamy (8)

Co. PIs:

Decisions taken:

1. The Chairman, IRC asked to complete the project as it has started in 2017
2. Characterization of TLR genes should be completed
3. The house approved the project to be extended till December 2022.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1	Characterization of Toll-like receptor 3, 4 and 21.			✓	✓	KM

Project 4: Identification of Genome-wide molecular signatures responsible for higher fecundity in Andaman Local goats

Project code: HORTCIARISIL201801000196

Duration: 2018-2021

PI: Dr. R. R. Alyethodi (3)

Co. PIs:

Decisions taken:

1. Continue with the proposed objectives of the projects
2. Extended the time period to complete the project upto December 2022

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1	Validation of Identified SNPs			✓	✓	RRA
2	Genetic structure of Analysis Andaman Local goats				✓	RRA

Project 5: Nutrient intake and digestibility of the Andaman local and Nicobari Pigs in intensive system of rearing

Project code: HORTCIARISIL202100500229

Duration: 2021-2024

PI: Dr. P.A. Bala (3)

Co. PIs: Dr. A.K.De (1)

Decisions taken:

1. The experiment needs to be repeated with proper care, correct procedure and proper standard protocol
2. Conduct challenge feeding trial, and the feeding trials need to be conducted in female, intact male and castrated male in both Andaman local and Nicobari pigs.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1	Feeding, growth & digestibility trial	√	√	√	√	PAB
2	Blood collection, Anti-oxidant profile, Serum biochemical parameters	√		√		AKD,
3	Carcass quality				√	AKD

Project 6: Probiotics supplementation in pig health and immunity

Project code: HORTCIARISIL202100300227

Duration: 2021-2024

PI: Dr. A.K De (3)

Co. PIs: Dr. D. Bhattacharya (1) & Dr.P.A. Bala (1)

Decisions taken:

1. Continue with the proposed objectives of the projects. Suggested to study the effect on female pig also.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1.	Identification of piglets for the study	√				AKD
2.	Study the long-term effect of probiotics supplementation at farm	√	√	√		AKD, DB, PAB
3.	Selection of farmers for probiotics supplementation study at field		√			AKD, DB
4.	Study the long-term effect of probiotics supplementation at field			√	√	AKD, DB, PAB
5.	Analysis of results and report preparation		√	√	√	AKD

Project 7: Prevalence and diversity of antimicrobial resistance in *Enterobacteriaceae* from livestock and its surrounding environment

Project code: HORTCIARISIL201900300208

Duration: 2019-2022

PI: Dr. Jai Sunder (2)

Co. PIs: Dr.S. Bandyopadhyay & Dr.T.Sujatha (1)

Decisions taken:

1. Propose a new project to ICMR on antimicrobial resistance.
2. The house approved the project to be extended till March 2023.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1.	Isolation, identification and antimicrobial profiling of enterobacteriaceae from soil and water			✓	✓	JS,TS
2.	Screening of antibiotic resistant genes and analysis			✓	✓	JS
3.	Analysis of results, compilation of report	✓				JS

Project 8: Pharmacological assessment of Ethno-veterinary medicinal plants of A&N Islands for poultry diseases

Project code: HORTCIARISIL201700200175

Duration: 2017-2021

PI: Dr T. Sujatha

Co-PIs: Dr.Jai Sunder, Dr.D. Bhattacharya &Dr.A. K. De

Decisions taken:

1. To close the project and to continue the AI in poultry as a routine management activity.

New project

Project 1: Mitigation of heat stress of endemic poultry breeds of Andaman Islands under impending climate change scenario

Project code: HORTCIARISIL202200700236

Duration: 2022-2026

PI: Dr. T. Sujatha (3)

Co.PIs: Dr. D. Bhattacharya (2) & Dr. Nibedita Nayak

Decisions taken:

1. To study the effect of stress in both open and simulated conditions and calculate the economics for different models
2. The house approved the project and suggested to submit the RPP-I with suggested modification

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1	Collection of data from macro and micro environment (Ta, RH)	✓	✓	✓	✓	TS
2	Arrangement of different farming system for Nicobari fowl, Vanaraja, Ducks	✓	✓	✓		TS
3	Management of experimental birds under various systems of rearing			✓	✓	TS
4	Collection of data on production, reproduction and significant immunological parameters			✓	✓	TDS, DB
5	Analysis of collected data				✓	TS

Project 2: Real time evaluation of traditional knowledge of plants in the management of *Rhipicephalus microplus* in cattle and goat

Project Code: HORTCIARISIL202200800237

Duration: 2022-2025

PI: Dr. D. Bhattacharya (3)

Co. PIs: Dr. T. Sujatha (1), Dr. Jai Sunder (1) & Dr. A. K. De (1)

Decisions taken:

1. Dr. A. A. Waman to help in study on identification, characterization of plants and extraction of the active components of plants
2. The title of the project will be changed as Evaluation of traditional knowledge of plants in the management of *Rhipicephalus microplus* in cattle and goat
3. The house approved the project and suggested to submit RPP-I with suggested modifications

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1.	Extraction of medicine	✓	✓			TS
2.	Breeding tick	✓	✓	✓	✓	DB,TS,JS
3.	In vitro assay and in vivo assay(✓	✓	✓	✓	DB,AKD,TS
4.	Analysis of result	✓	✓	✓	✓	TS,AKD

Division of Horticulture & Forestry
Ongoing Institute Funded Projects

Project 1: Conservation and utilization of coconut and arecanut genetic resources of Andaman& Nicobar and Lakshadweep Islands for high yield and product diversification

Project Code: HORTCIARISIL201800200188

Duration: 2018-2023

PI: Dr. B. Augustine Jerard (3)

Co.PIs: Dr. V. Damodaran & Dr.S.K. Zamir Ahmed (1)

Decisions taken:

1. Suggested to screen the germplasm of arecanut for alternate industrial purposes such as arecoline, dye etc. Superior germplasm identified in the project should be registered.
2. Possibility should be explored for identification of Lauric acid rich genotypes for use in VCO and allied industries.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1	Exploration and collection, <i>in situ</i> documentation and characterization and <i>exsitu</i> conservation, genetical studies, population dynamics	√	√	√	√	BAJ, VD
2	Crossing/ <i>inter se</i> mating of targeted coconut types, production of hybrid combinations			√	√	BAJ, VD
3	Fruit component analysis			√	√	BAJ, VD
4	Dwarf, Tall and Hybrid evaluation trials coconut genetic resources	√	√	√	√	BAJ, VD
5	Seedling characterization and evaluation of identified lines and hybrids		√	√	√	BAJ, VD
6	Identification of desirable lines, varieties and hybrids for promotion			√	√	BAJ
7	Population improvement and traits specific genetic investigations for novel traits		√	√	√	BAJ, VD
8	Arecanut- Characterization of dwarf arecanut, development of arecanut hybrids and establishment of evaluation trial, <i>in situ</i> documentation and characterization and <i>exsitu</i> conservation, genetical studies, population dynamics	√	√	√	√	BAJ, VD
9	Technology evaluation cum demonstration trials for higher productivity and profitability			√	√	BAJ, VD, SKZA

Project 2: Improvement of vegetable and tuber crops for Andaman and Nicobar Islands

Project Code: HORTCIARISIL201800300189

Duration: 2018-2022

PI: Dr. B. Augustine Jerard (3)

Co.PIs: Dr.V. Damodaran, Dr. P.K. Singh (1) & Dr.S.K. Zamir Ahmed (1)

Decisions taken:

1. To take up seed production in the targeted vegetables mainly local species through farmers' participatory approach. *Capsicum* lines identified in the project to be studied for capsaicin content.
2. To include Dr. P.K. Singh in the project as Co-PI.
3. The house approved extension of the project till March 2023

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1	Collection, conservation and multiplication of indigenous vegetables and tubers	√	√	√	√	BAJ,VD
2	Characterization, evaluation and identification of better performing lines for yield and desirable traits		√	√	√	BAJ, VD, PKS
3	Introduction and evaluation of improved varieties and popular cultivars, identification for recommendation, development of new varieties through selection / hybridization		√	√	√	BAJ, VD, PKS
4	Morphological characterization, selection	√		√	√	BAJ,PKS
5	Technology dissemination in vegetable and tuber cultivation in targeted areas	√		√	√	BAJ, VD, PKS, SKZA

Project 3: Quality planting material production in horticultural crops

Project Code: HORTCIARISIL201800200191

Duration: 2018-2024

PI: Dr. B. Augustine Jerard

Co.PIs: Dr.V. Baskaran, Dr.K. Abirami, Dr.I. Jaisankar, Dr.Ajit Arun Waman, Dr.Pooja Bohra, Dr.V .Damodaran & Dr.S.K. Zamir Ahmad

Decisions taken:

1. Multiplication activities in selected crops should be taken up by the Farm Manager.
2. The house approved closure of the project

Project4: Collection, conservation, conservation, evaluation and agro-technique standardization of native and commercial ornamental crops

Project Code: HORTCIARISIL202000200219

Duration: 2020-2026

PI: Dr. V. Baskaran (3)

Co.PIs: Dr.K. Abirami (2)

Decisions taken:

1. To evaluate multiple varieties of anthurium in the study instead of single variety. Instead of studying multiple crops simultaneously and to take up the project activities in phase-wise manner
2. To evolve low cost farmer-friendly structures for cultivation of flower crops to make them commercially viable
3. Protect promising nursery technologies through suitable IP means and license those to private firms. The standardized nursery techniques of important crops to be shared with Farm Manager for their mass multiplication
4. Germplasm bank of heliconia to be developed by the Farm Manager by taking germplasm from the PI. Promising fern species of native origin and *Licuala* spp. to be shared with private firms in mainland India for popularization. Farm Manager to raise 5,000 seedlings of *Licuala* spp. and plant in the campus for future use
5. To take up externally funded project

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1.						
2.	Exploration, collection and conservation of native ornamentals	√	√	√	√	VB
3.	Standardization of new propagation technique in chrysanthemum and marigold		√	√	√	VB, KA
4.	Evaluation of cut foliage/fillers (Statice and Gypsophila)			√	√	VB,KA
5.	Evaluation of anthurium			√	√	VB, KA
6.	Evaluation of cut gomphrena and cut cockscomb			√	√	VB, KA
7.	Collection and multiplication of indigenous tree fern			√	√	VB
8.	Intercropping studies		√	√	√	VB
9.	Evaluation of rose and marigold for loose flower	√	√	√	√	KA
10.	Collection, conservation and establishment of exotic speciality flowers			√	√	VB,KA
11.	Multiplication of indigenous and exotic palms and ferns with standardized techniques	√	√	√	√	VB

Project 5: Collection, conservation and evaluation of commercial fruits crops of Andaman & Nicobar Islands**Project Code:** HORTCIARISIL201800100187**Duration:** 2018-2023**PI:** Dr. K. Abirami (3)**Co.PIs:** Dr.V. Baskaran (2) & Dr. Pooja Kapoor**Decisions taken:**

1. Should carry out surveys in all three districts of the islands for identification of superior pummel germplasm.
2. Suggested to determine bioactive ingredients in all the pummelo collections. ICAR-CCRI, Nagpur may be consulted for the purpose. In case of identified green banana collection, trial may be carried out following all the recommended practices in order to know the actual yield potential of the collection

- Pickling mango collections should be studied for product preparation and collections should be identified by carrying out surveys from a larger population.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
01	Macro propagation studies in banana in different media	√	√	√	√	KA, VB
02	Varietal response of banana for macro-propagation	√	√	√	√	KA, VB
03	Establishment of acid lime field for evaluation			√	√	KA, VB
04	Effect of organic nutrients for growth and yield in banana	√	√	√	√	KA, VB
05	Effect of spacing on growth and yield of pineapple	√	√	√	√	VB, KA
06	Evaluation of papaya	√	√	√	√	VB
07	Multiplication of identified new banana accession and main field planting for evaluation		√	√	√	KA
08	Performance evaluation of grape varieties- Feeler trial		√	√	√	KA

Project 6: Enriching coconut plantations of Andaman and Nicobar Islands through augmentation of indigenous multipurpose tree resources

Project Code: HORTCIARISIL201800600192

Duration: 2018-2023

PI: Dr. I. Jaisankar (3)

Co.PIs: Dr.V. Damodaran

Decisions taken:

- Suggested that cash flow component in the project needs to be critically studied and monetary benefits from each crop to be determined. Economic analysis should be carried out in the recently introduced crops such as banana, chilli, pepper etc
- Determine the soil nutrient status in the existing home gardens in different islands.
- Survey on species diversity in home gardens to be carried out using more number of gardens to represent island diversity.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1.	Soil and plant analysis		√			IJ
2.	Growth and biomass estimation	√	√	√	√	IJ, VD
3.	Coconut growth and yield observation			√		VD
4.	Collection of the data on agroforestry systems present in A&N Islands			√	√	IJ

Project 7: Identification and characterization of superior germplasm of cinnamon, tejpat and long pepper under Bay Islands condition

Project Code: HORTCIARISIL202100200226

Duration: 2021-2026

PI: Dr. Ajit Arun Waman (3)

Co.PIs: Dr. Pooja Bohra (2)

Decisions taken:

1. Suggested to multiply the selected progenies of cinnamon through vegetative means and mother block of the same to be established
2. Superior selections may also be shared with progressive farmers
3. Prepare a complete package for harvesting of cinnamon bark for the island stakeholders. Self-pollination in the selected progenies may be carried out to determine if uniform progenies could be produced through seeds.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1	Exploration and collection of germplasm of target species	√				AAW, PB
2	Maintenance and augmentation of collections	√	√	√	√	AAW
3	Characterization and evaluation of germplasm	√	√	√	√	AAW, PB
4	Performance evaluation of cinnamon varieties in arecanut	√	√	√	√	AAW, PB

Project 8: Conservation, bio-prospection and utilization of selected underutilized fruit species of Bay Islands

Project Code: HORTCIARISIL202100100225

Duration: 2021-2026

PI: Dr. Pooja Bohra (3)

Co.PIs: Dr. Ajit Arun Waman (1)

Decisions taken:

1. Suggested to multiply the identified collections of Malabar tamarind as it is necessary to produce planting material of the collections while proposing for release. Considering the labour requirement for processing of Malabar tamarind
2. Suggested to work on mechanical processing aspects.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1.	Biochemical profiling of <i>Garcinia</i> species	√	√	√		PB, AAW
2.	Propagation studies in <i>Garcinia</i> species	√	√	√		PB, AAW
3.	Exploring preservative properties of <i>Garcinia</i> species			√	√	PB, AAW
4.	Studying the effect of various postharvest treatments and packaging on shelf life			√	√	PB, AAW

	extension					
5.	Development of processed products from underutilized fruit species	√	√			PB, AAW
6.	Collection, maintenance and multiplication of underutilized fruit species	√	√	√	√	PB, AAW
7.	Record of performance observations	√		√		PB

New project

Project 1: Development of sequential cropping system of *Andaman Padauk* based agroforestry

Project Code: HORTCIARISIL202200900238

Duration: 2022-2026

PI: Dr. I. Jaisankar (3)

Co.PIs: Dr.T.Subramani (1) & Dr. Jayakumara Varadan (1)

Decisions taken:

1. Suggested to carry out systematic studies to determine presence of allelopathy in Andaman Padauk.
2. Suggested to work out the crop combination/ calendar based on the climatic data of different seasons and to study rooting pattern and nutrient requirement of the species
3. Study the allelopathy effects in the existing populations as well and collect data from the felled trees from Forest Department.
4. The house approved the project.

Activity for 2022-23

SN	Activity	Quarters				Personal identified
		I	II	III	IV	
1.	Project formulation	√				IJ
2.	Layout of the experiment planting/sowing of intercrops		√			IJ,TS
3.	Soil analysis		√			IJ,TS
4.	Growth and yield observations of the intercrops			√	√	IJ, RJK

Concluding remarks by Chairman

At the end Chairman, IRC congratulated all the scientists for commendable work and remarkable contribution. However, he stressed that scientists should spent more time in experimental field rather than sitting with computer. Regarding the man month and time spent in research and other works, he emphasised that as per the guidelines a scientist should have at least one Institute project as PI and two project as Co-PIs. Minimum time should be devoted as PI and Co-PIs to justify the role of scientists.

At the end, the member Secretary, IRC thanked the Chairman and all the scientists for their valuable suggestion, remarks and active participation.

Summary of the projects presented and discussed in IRC 2022

Division	Ongoing 2021- 22	Close	New project	In Hand 2022-23
Hort. & Forestry	8	1	1	8
FCI&P	2	2	1	1
NRM	6	0	0	6
Animal Sci.	8	1	2	9
Fisheries Sci.	5	4	2	3
SSS	3	1	1	3
RS, Minicoy	0	0	2	2
TOTAL	32	9	9	32

Annexure 1

Man month allocation in different projects

Sr. No.	Name of Scientist	Man Months	Total
I. DIVISION OF HORTICULTURE & FORESTRY			
1.	Dr. B. Augustine Jerard	Project 188 – 3, Project 189 – 3, CPCRI – 1, NMPB – 1, AICRP Tuber crops – 2, AICRP-Vegetable – 1, Extension & other activities - 1	12
2.	Dr. V. Baskaran	Project 219 – 3, Project 187 – 2, AICRP floriculture – 2, NABARD – 2, Other activities including extension - 3	12
3.	Dr. K. Abirami	Project 187 – 3, Project 219 – 2, AICRP fruit – 2, NABARD – 3, Other activities including extension - 2	12
4.	Dr. I. Jaisankar	Project 192 – 3, Project 238 – 3, NMPB Pandanus – 2, DUS Noni – 1, SAC Mangrove - 1, Other activities including extension - 2	12
5.	Dr. Pooja Bohra	Project 225 – 3, Project 226 – 2, NABARD – 2, DBT woody pepper – 2, Other activities including extension - 3	
6.	Dr. Ajit Arun Waman	Project 226 – 3, Project 225 – 1, Project 237 – 1, DBT woody pepper – 2, CCS NHM – 1, AICRP Palm -2, Other activities including extension - 2	12
II. DIVISION OF NATURAL RESOURCE MANAGEMENT			
1.	Dr. A. Velmurugan	Project 223 – 3, Project 222 – 2, Project 220 – 1, Project 207 – 1, AICRP IFS – 1, Other activities including extension -4	12
2.	Dr. T.P. Swarnam	Project 221 – 2, Project 222 – 3, Project 232 – 1, Project 223 – 1, AICRP IFS – 2, Other activities including extension -3	12
3.	Dr. T. Subramani	Project 195 – 3, Project 220 – 3, Project 222 – 1, Project 238 – 1, AICRP IFS – 1, Other activities including extension -3	12
4.	Dr. Sirisha Adamala	Project 207 – 5, Project 230 – 1, Project 221 – 1, Project 220 – 1, Project 234- 1, Other activities including extension - 3	12
III. DIVISION OF FIELD CROPS IMPROVEMENT & PROTECTION			
1.	Dr. P. K. Singh	Project 233 – 3, Project 189 – 1, NEP – 1, AICRP Seed – 3, Other activities including extension -4	12
IV. DIVISION OF ANIMAL SCIENCE			
1.	Dr. Debasis Bhattacharya	Project 237 – 3, Project 236 – 1, Project 227 -2, AICRP Pig – 2, NADEN/FMD – 1, Other activities including extension - 3	12

Sr. No.	Name of Scientist	Man Months	Total
2.	Dr. Jai Sunder	Project 208 – 3, Project 237 – 1, RKVY – 1, AICRP goat – 1, AICRP pig – 1, NADEN/FMD – 1, Other activities including extension - 4	12
3.	Dr. T. Sujatha	Project 236 – 3, Project 237 – 2, Project 208 – 1, RKVY – 1, PSP – 1, Other activities including extension - 4	12
4.	Dr. P.A. Bala	Project 229 – 4, Project 227 – 1, RKVY – 2, NABARD – 2, AICRP pig – 1, Other activities including extension - 4	12
5.	Dr. A.K. De	Project 227 – 4, Project 229 – 1, Project 237 – 1, Project 218 – 1, AICRP pig – 3, Other activities including extension - 2	12
6.	Dr.K. Muniswamy	Project 176 – 8, Project, NABARD – 3, Other activities including extension - 1	12
7.	Dr. P. Perumal	Project 218 -3, Project 228 – 3, AICRP pig – 1, AICRP Goat – 1, AICRP IFS – 1, Other activities including extension - 3	12
8.	Dr. R.R.Alyethodi	Project 196 -4, Project 218 – 1, Project 228 – 1, NABARD -2, AICRP goat -1, Other activities including extension - 3	12
V. DIVISION OF ANIMAL SCIENCE			
1.	Dr. R.Kirubasankar	Project 234 -3, Project 235 - 1, DST – 3, NASPAD – 1, AINP mariculture – 2, Other activities including extension - 2	12
2.	Dr.K.Saravanan	Project 235 – 4, Project 234 – 1, DST – 1, NASPAD – 3, AINP mariculture – 2, Other activities including extension - 1	12
3.	Dr.J.Praveenraj	Project 214 – 4, Project 235 – 2, Project 234 – 1, DST – 1, AINP mariculture –1, Other activities including extension - 3	12
VI. SOCIAL SCIENCE SECTION			
1.	Dr. S.K. Zamir Ahmed	Project 224-4, Project 204- 1, Project 188 -1, Project 230-1, Project 232 – 1, NEP (IARI) – 1, Other activities including extension -3	12
2.	Shri. D.Karunakaran	Project 230 – 7, Project 224 - 1, Other activities including extension -4	12
3.	Dr.R.Jayakumaravaaradan	Project 204 – 5, Project 224- 1, Project 238 – 1, NMPB – 2, Other activities including extension -3	12
VII. REGIONAL STATION, MINICOY, LAKSHADWEEP			
1.	Dr. Y. Gladston	Project 231 – 6, Project 232 – 2, Project 224 – 1, Biotech Kisan Hub – 1, Other activities including extension - 2	12
2.	Smti. S.M.Ajina	Project 232 – 6, Project 231 – 3, Biotech Kisan Hub – 1, Other activities including extension - 2	12

Annexure 2

List of the project along with Scientist requested to drop out as PI/Co-PI

Sl No	Title of the project	Source	Role (PI/Co-PI)	Reason for dropping out	Decision of the Chairman, IRC
Dr. B. Augustine Jerard					
1.	Collection, conservation, conservation, evaluation and agro-technique standardization of native and commercial ornamental crops. (HORTCIARISIL202000200219) PI: Dr. V. Baskaran	Institute	Co-PI	Excess man month	Approved
2.	Enriching coconut plantations of Andaman and Nicobar Islands through augmentation of indigenous multipurpose tree resources. (HORTCIARISIL201800600192) PI: Dr. I. Jaisankar	Institute	Co-PI	Excess man month	Approved
3.	Collection, conservation and evaluation of commercial fruits crops of Andaman & Nicobar Islands. (HORTCIARISIL201800100187) PI: Dr. K. Abirami	Institute	Co-PI	Excess man month	Approved
4.	Indigenous Adaptation Strategies of Tribal <i>vis-a-vis</i> Non-tribal Farmers and Impact of CIARI Technologies in Mitigating Climate Change Effects on Agriculture in Andaman & Nicobar Islands (HORTCIARISIL201801800204) PI: Dr. R. Ja.yakumaravaradan	Institute	Co-PI	Excess man month	Approved
5.	Development of sequential cropping system of Andaman Padauk based agroforestry. (HORTCIARISIL202200900238)	Institute	Co-PI	Excess man month	Approved

Sl No	Title of the project	Source	Role (PI/Co-PI)	Reason for dropping out	Decision of the Chairman, IRC
	PI:Dr. I. Jaisankar				
6.	Dragon fruit cultivation- a sustainable livelihood option for island farmers PI: Dr. K. Abirami	NABARD	Co-PI	Excess man month	Approved
7.	Intervention for promotion of urban and peri-urban horticulture in the islands through immunity boosting fruits, spices and herbs. PI: Dr. Pooja Bohra	NABARD	Co-PI	Excess man month	Approved
8.	AICRP Vegetable crops	ICAR	PI	PI status may be assigned to Dr. I Jaisankar, Sr. Scientist (who was handling the project earlier) or any other scientist as per the decision of Director and I may be excluded from the project. I had taken over this project as Acting Director during the lock down period when Dr. Soobedar, the then PI who has resigned from ICAR service.	Dr B.A. Jerard to continue the project as PI. He may reduce one man month from AICRP on Tuber crops and add one man month in AICRP-Vegetables
9.	AICRP PHET	ICAR	PI	PI status shall be assigned to NRM division or any other scientist as decision of Director as I took over this NRM Division project during my tenure as	Keep in abeyance

Sl No	Title of the project	Source	Role (PI/Co-PI)	Reason for dropping out	Decision of the Chairman, IRC
				Acting Director when nobody else was there to take over after transfer of Dr. S. Swain of NRM Division. I may be excluded from the project.	
Dr. I. Jaisankar					
1.	Conservation and utilization of coconut and arecanut genetic resources of Andaman& Nicobar and Lakshadweep Islands for high yield and product diversification. (HORTCIARISIL201800200188) PI : Dr B Augustine Jerard	Institute	Co-PI	Excess man month	Approved
2.	Development of novel biostimulants for enhancing crop production under island agro-ecosystem (HORTCIARISIL202000500222) PI : Dr T. P. Swarnam	Institute	Co-PI	Excess man month	Approved
3.	Improvement of vegetable and tuber crops for Andaman and Nicobar Islands. (HORTCIARISIL201800300189) PI : Dr. B.A.Jerard	Institute	Co-PI	Excess man month	Approved
4.	AICRP on Vegetable crops	ICAR	Co-PI	Excess man month	Approved
Dr Ajit Arun Waman					
1.	Real time evaluation of traditional knowledge of plants in the management of <i>Rhipicephalus microplus</i> in cattle and goat (HORTCIARISIL202200800237) PI : Dr Debasis Bhattacharya	Institute	Co-PI	Excess man month	Approved
2.	Development of Island-based information	Institute	Co-PI	Excess man month	Approved

Sl No	Title of the project	Source	Role (PI/Co-PI)	Reason for dropping out	Decision of the Chairman, IRC
	management system for decision making in agriculture (HORTCIARISIL202200100230) (PI: Dr. D. Karunakaran)				
Dr. A. Velmurugan					
1.	Organic farming studies for sustaining productivity of Island cropping systems (HORTCIARISIL201800900195) PI: Dr. T. Subramani	Institute	Co-PI	Excess man month	Approved
2.	NABARD Rainout shelter for vegetable production (PI: Dr. T. Subramani)	NABARD	Co-PI	Excess man month	Approved
3.	Study of carbon foot prints in major farming systems of A&N Islands for climate change adaptation (HORTCIARISIL202000500221) PI : Dr. T.P.Swarnam	Institute	Co-PI	Excess man month	Approved
4.	Mitigation of heat stress of endemic poultry breeds of Andaman Islands under impending climate change scenario. (HORTCIARISIL202200700236) PI : Dr. T. Sujatha	Institute	Co-PI	Excess man month	Approved
Dr. T. P. Swarnam					
1.	Management of moisture stress in vegetable cropping systems (HORTCIARISIL202000300220) PI: Dr. T. Subramani	Institute	Co-PI	Excess man month	Approved
2.	Enriching coconut plantations of Andaman and Nicobar Islands through augmentation of indigenous multipurpose tree resources	Institute	Co-PI	Excess man month	Approved

Sl No	Title of the project	Source	Role (PI/Co-PI)	Reason for dropping out	Decision of the Chairman, IRC
	(HORTCIARISIL201800600192) PI: Dr. I Jaisankar				
3.	Integrated farming system for enhancing livelihood of tribal community of Minicoy Island. (HORTCIARISIL202200300232) PI: Smti. S. M. Ajina	Institute	Co-PI	Excess man month	Dr T P Swarnam to continue as Co-PI. Reduce one man month from AICRP-IFS and add one man month in this project
4.	Deciphering the in-vitro bioactive potential of selected seaweed species of Andaman Islands and evaluation of its immunomodulatory effect on fish. (HORTCIARISIL202200600235) PI: Dr. K. Sarvanan	Institute	Co-PI	Excess man month	Approved
5.	Development of sequential cropping system of Andaman Padauk based agroforestry. (HORTCIARISIL202200900238) PI : Dr. I. Jaisankar	Institute	Co-PI	Excess man month	Approved
Dr. T. Subramani					
1.	Study of hydrological response for soil and water conservation in Island ecosystem. (HORTCIARISIL201900200207) PI: Dr. Sirisha Adamala	Institute	Co-PI	Excess man month	Approved
2.	Collection, conservation, evaluation and agro-technique standardization of native and commercial ornamental crops. (HORTCIARISIL202000200219) PI: Dr. V. Baskaran	Institute	Co-PI	Excess man month	Approved
3.	Development of sequential cropping system of Andaman Padauk based agroforestry.	Institute	Co-PI	Excess man month	Dr.T.Subramani to continue as Co-PI, he may reduce one man month from state specific

Sl No	Title of the project	Source	Role (PI/Co-PI)	Reason for dropping out	Decision of the Chairman, IRC
	(HORTCIARISIL202200900238) PI: Dr. I Jaisankar				action plan project and add one man month in this project
Dr. Sirisha Adamala					
1.	Organic farming studies for sustaining productivity of Island cropping systems. (HORTCIARISIL201800900195) PI: Dr. T. Subramani	Institute	Co-PI	Excess man month	Approved
Dr. Debasis Bhattacharya					
1.	Evaluation of hormonal and biochemical profiles of indigenous boar under abiotic stressors and melatonin intervention for its mitigation. (HORTCIARISIL202000100218) PI : Dr. P. Perumal	Institute	Co-PI	Excess man month	Approved
2.	Prevalence and diversity of antimicrobial resistance in enterobacteriaceae from livestock and poultry and its surrounding environment. (HORTCIARISIL201900300208) PI: Dr. Jai Sunder	Institute	Co-PI	Excess man month	Approved
3.	Goat improvement through Assisted Reproductive Techniques in Andaman and Nicobar Islands. (HORTCIARISIL202100400228) Dr. P. Perumal	Institute	Co-PI	Excess man month	Approved
4.	Establishment of Biotech Kisan Hub PI: Dr. Jai Sunder	DBT		Excess man month	Approved
Dr. Jai Sunder					
1.	Mitigation of heat stress of endemic poultry breeds of Andaman Islands under impending	Institute	Co-PI	Excess man month	Approved

Sl No	Title of the project	Source	Role (PI/Co-PI)	Reason for dropping out	Decision of the Chairman, IRC
	climate change scenario (HORTCIARISIL202200700236) PI: Dr. T. Sujatha				
2.	Goat improvement through Assisted Reproductive Techniques in Andaman and Nicobar Islands. (HORTCIARISIL202100400228) PI : Dr P. Perumal	Institute	Co-PI	Excess man month	Approved
Dr. Arun Kumar De					
1.	Prevalence and diversity of antimicrobial resistance in Enterobacteriaceae from livestock and its surrounding environment. (HORTCIARISIL201900300208) PI: Dr. Jai Sunder	Institute	Co-PI	Excess man month	Approved
2.	Goat improvement through Assisted Reproductive Techniques in Andaman and Nicobar Islands. (HORTCIARISIL202100400228) PI : Dr. P. Perumal	Institute	Co-PI	Excess man month	Approved
3.	Mitigation of heat stress of endemic poultry breeds of Andaman Islands under impending climate change scenario (HORTCIARISIL202200700236) (PI: Dr. T. Sujatha)	Institute	Co-PI	Excess man month	Approved
Dr P. Perumal					
1.	Probiotics supplementation in pig health and immunity (HORTCIARISIL202100300227) PI : Dr A K De	Institute	Co-PI	Excess man month	Approved

Sl No	Title of the project	Source	Role (PI/Co-PI)	Reason for dropping out	Decision of the Chairman, IRC
2.	Mitigation of heat stress of endemic poultry breeds of Andaman Islands under impending climate change scenario (HORTCIARISIL202200700236) PI : Dr T. Sujatha	Institute	Co-PI	Excess man month	Approved
3.	Nutrient intake and digestibility of the Andaman local and Nicobari Pigs in intensive system of rearing (HORTCIARISIL202100500229) PI : Dr P A Bala	Institute	Co-PI	Excess man month	Approved
4.	Development of Island-based information management system for decision making in agriculture. (HORTCIARISIL202200100230) PI : Shri. D. Karunakaran	Institute	Co-PI	Excess man month	Approved
Dr. R. Kirubasankar					
1.	Development of Island based information management system for decision making in agriculture (HORTCIARISIL202200100230) (PI: Dr. D. Karunakaran)	Institute	Co-PI	Excess man month	Approved, however he should provide all the baseline and passive information
2.	Prevalence of parasites infesting commercial marine and freshwater fishes in Andaman Island HORTCIARISIL201900900214 (PI: Dr. J.Praveenraj)	Institute	Co-PI	Excess man month	Approved
Dr. S.K. Zamir Ahmed					
1.	Improvement of vegetable and tuber crops for Andaman and Nicobar Islands	Institute	Co-PI	Excess man month	Approved

Sl No	Title of the project	Source	Role (PI/Co-PI)	Reason for dropping out	Decision of the Chairman, IRC
	(HORTCIARISIL201800300189) PI : Dr. B. A. Jerard				
2.	Harnessing variability of multi-parent advance generation inter-cross (MAGIC) population of rice for genetic improvement. (HORTCIARISIL202200400233) PI : Dr. P.K. Singh	Institute	Co-PI	Excess man month	Approved
3.	Status of Tuna fishery of Minicoy Islands. (HORTCIARISIL202200200231) PI : Dr. Y. Gladston	Institute	Co-PI	Excess man month	Approved
4.	Collection, conservation, conservation, evaluation and agrotechnique standardization of native and commercial ornamental crops. (HORTCIARISIL202000200219) PI : Dr. K. Abirami	Institute	Co-PI	Excess man month	Approved
Dr. R. Jayakumaravaradan					
1.	Study of Carbon foot prints in major farming systems of A & N islands (HORTCIARISIL202000400221) PI : Dr. T. P. Swarnam	Institute	Co-PI	Excess man month	Approved
2.	Development of Island-based information management system for decision making in agriculture (HORTCIARISIL202200100230) PI : Shri. D.Karunakaran	Institute	Co-PI	Excess man month	Approved
3.	Status of Tuna fishery of Minicoy Islands (HORTCIARISIL202200200231) PI : Dr. Y. Gladston	Institute	Co-PI	Excess man month	Approved

The following officials attended the meeting:

1. Dr. Eaknath B. Chakurkar, Director& Chairman, IRC
2. Dr. Debasis Bhattacharya, Pr. Scientist& I/c Head, ASD
3. Dr. B. Augustine Jereard, Pr Scientist & I/c Head, H&F
4. Dr. S.K. Zamir Ahmed, Pr. Scientist & I/c SSS
5. Dr. A. Velmurugan, Pr. Scientist&I/c Head, NRM
6. Dr. P.K. Singh, Pr. Scientist&I/c, Head, FCI&P
7. Dr. R. Kirubasankar, Sr. Scientist &I/c Head, FSD
8. Dr. V. Baskaran, Pr. Scientist
9. Dr. T.P. Swarnam, Pr. Scientist
10. Dr. T. Sujatha, Sr. Scientist
11. Dr. Rafeeqe Rahman Alyethodi, Scientist
12. Dr. K. Abirami, Sr. Scientist
13. Dr. I. Jaisankar, Sr. Scientist
14. Dr. T. Subramani, Sr. Scientist
15. Dr. P.A. Bala, Sr. Scientist
16. Dr. Arun Kumar De, Sr. Scientist
17. Dr. K. Muniswamy, Scientist
18. Dr. Ajit Arun Waman, Scientist
19. Dr. Pooja Bohra, Scientist
20. Dr. K. Saravanan, Scientist
21. Mr. J. Praveenraj, Scientist
22. Dr. P. Perumal, Scientist
23. Dr. K. Venkatesan, Scientist
24. Dr. R. JayaKumaravaradan, Scientist
25. Shri. D. Karunakaran, Scientist
26. Dr. Sirisha Adamala, Scientist
27. Dr. Gladston Y., Scientist
28. Mrs. Ajina S.M., Scientist
29. Dr. Y. Ramakrishna Head KVKs (SA, N&M Andaman & Nicobar)
30. Dr. Jai Sunder, Pr. Scientist, In charge, PME Cell & Member Secretary IRC 2022

(Jai Sunder)

Officer Incharge, PME Cell &
Member Secretary, IRC-2022

F.No. 4-4/PMEC/IRC Proceeding/2022

Dated: 27/09/2022

Copy to: All concerned through e-mail for information and necessary action.
P.S. to Director for information of the Competent Authority.