Fish harvest in progress at Pokkali fields, Pizhala, Ernakulam

Shri. Sreenivasan visiting KVK exhibition stall, Rajendra maidan, Ernakulam

Dr. A.K. Singh Deputy Director General (Agricultural Extension) ICAR launching Fishlizer, CMFRI, Kochi
The overall mandate of ICAR-KVK is to develop and disseminate location specific technological modules at district level through Technology assessment, refinement and demonstration and to act as knowledge and resource centre for agriculture and its allied activities. The specific activities to carry out this mandate are:

- Conducting on-farm testing to identify the location specificity of agricultural technologies under various farming systems
- Organizing frontline demonstrations to establish production potential of various crops and enterprises in farmers fields
- Organizing need based training for farmers to update their knowledge and skills in modern agricultural technologies related to technology assessment, refinement and demonstration, and training of extension personnel to orient them in the frontier areas of technology development.
- Creating awareness about improved technologies to larger masses through appropriate extension programmes.
- Production and supply of good quality seeds and planting materials, livestock, poultry and fisheries breeds and products and various bio-products to the farming community.
- Work as resource and knowledge centre of agricultural technology for supporting initiatives of public, private and voluntary sector for improving the agricultural economy of the district.

Krishi Vigyan Kendras are district level units of Indian Council of Agricultural Research functioning with major objective of district level agricultural development by spreading latest technologies among farmers. In order to achieve this larger objective, KVK has experts from all fields of Agriculture. The area of operation of Krishi Vigyan Kendra of ICAR – Central Marine Fisheries Research Institute is Ernakulam district. This KVK has been working for the agricultural development of Ernakulam district since 1976. Major achievements of this KVK are popularisation of prawn culture, mussel culture, cage fish farming, open precision farming, rain shelter farming, Kadaknath poultry, setting up of satellite seed production centres, introduction of package for revival of Pokkali farming system, etc. Currently, KVK is giving thrust towards quality control of organic farming inputs. There is a sales counter functioning at CMFRI to supply quality inputs to farmers. KVK has formed a task force to set up home vegetable garden with a view to support the organic vegetable farming initiatives in the district.

KVK has collaborated with Kudumbasree Mission in producing and supplying quality organic manures in the district. Capacity building programme for one selected Kudumbasree Joint Liability Group has been initiated recently. KVK has launched Fishlizer, an organic manure made out of fish waste collected from Ernakulam market as part of its Swatch Bharath Abhiyan, a call of Hon’ble Prime Minister of India. It is planned to scale up Fishlizer production as a model waste disposal cum organic farming promotion initiative in the district.

We understand that major problem of farmers is issues in marketing of their produce. In order to assist farmers, KVK in collaboration with NABARD is forming farmer producer organisations.

The objective of this newsletter is to spread information about the programmes of KVK with a view to invite fruitful future collaborations from peer institutions, line departments, research organisations and most importantly, the farmers to work together in the coming years for the betterment of Agriculture and ensuring safe food for the public.

With best wishes

(A. Gopalakrishnan)  
Director
With Best Compliments From

Director
ICAR- CMFRI

Senior Scientist & Head
ICAR-KVK Ernakulam of CMFRI
Dr. A. K. Singh, Deputy Director General (Agricultural Extension), ICAR, New Delhi visited KVK on 12th August 2015. He reviewed the activities of KVK and suggested ways to improve its functioning towards overall agriculture development of Ernakulam district. Subsequently he visited KVK’s partner-farmer’s fields and cage fish culture sites located in Kadamakkudy and Pizhala. The DDG suggested to scale up cage culture model towards enhancing safe fish production to ensure livelihood and nutritional security of island community.

Dr. S. Ayyappan, Secretary, Department of Agricultural Research and Education (DARE) & Director General, ICAR released hand book entitled “Samrambhakthwa Parisheelana Paripadi” of KVK brought out as part of Entrepreunership Development Programme (EDP) on “Climate Resilient Aquaculture” conducted with NICRA funding. The release was during NICRA review meeting on 13th August 2015.
ICAR-KVK DEMONSTRATED FARM GATE MARKETS FOR POKKALI FISH

With a view to popularize nutritionally rich, naturally organic Pokkali fish while ensuring enhanced income for farmers, KVK demonstrated “Farm gate markets” at 7 locations in Kadamakkudy, Pizhala, Cherai and Puthuvypu on 4th and 5th April 2015. The programme was inaugurated by Kadamakkudy Grama Panchayath president Smt. Valsa Francis at Kadamakkudy and by Pallippuram Grama Panchayath president Smt. Chinnama Darman at Cherai. Live fishes were sold at premium price which avoided middlemen and thus helped the farmers earn more profit. About 2000 fish lovers visited the Farm gate markets.

ICAR-KVK DEMONSTRATES BIOLOGICAL MANAGEMENT OF AQUATIC WEEDS IN PUBLIC PONDS

KV commenced demonstration of aquatic weed management in public ponds by growing Grass Carp (Ctenopharyngodon idella) fish. This fish feeds on aquatic weeds up to the extent of 2 to 3 times of its body weight and it grows up to 50kg. Since this fish cannot breed in ponds, its management is easy. The programme was inaugurated on 21st July 2015 at Kodamkulam, Thripunithura by Thripunithura Muncipal Chairman Shri. R. Venugopal. ICAR-Central Marine Fisheries Research Institute Director Dr. A. Gopalakrishnan gave key note address.
TASK FORCE FOR SETTING UP KITCHEN GARDENS WITH ICAR-KVK BACKSTOPPING

KVK has formed a task force for setting up kitchen gardens towards organic vegetable production in urban homes in Kochi. Vegetables planted in grow bags and a 100 days schedule indicating crop care and management would be supplied by the task force. They also supply quality organic inputs. As part of this programme, KVK conducted a series of training programmes also at various locations in Kochi Corporation. Total of 350 persons were trained.

ICAR-KVK TAKING PART IN PROJECT ON ENHANCING EFFICIENCY OF COCONUT BASED LAND USE SYSTEMS

KVK is taking part in a multi-institutional project funded by Kerala State Planning Board on “Enhancing the efficiency of coconut based land use systems for land use planning in Kerala state”. The project fields are located at Ezhattumugham and Mukkannur in Ernakulam district. The objective of this project is to enhance the coconut production through soil management. Scientific management of intercropped nutmeg in coconut plantations also forms part of this project.
ICAR - KVK DEVELOPED ‘USERS MANUAL’ FOR ORGANIC VEGETABLE FARMING

KVK developed a Step by Step daily schedule of operation “Jaiva pachakkari krishi- 100 dina paripaadi” for homestead vegetable farmers. It is an easy ‘users manual’ for anybody venture into Vegetable farming. This schedule contains all crop management practices required to be done for a period of 100 days for all vegetable crops. The printed copies are available at CMFRI ATIC-KVK sales counter and soft copy can be download from KVK website.

TECHNOLOGY DEMONSTRATED BY ICAR-KVK GETS SUBSIDY SUPPORT FROM STATE GOVERNMENT AGENCY

Subsequent to the success of KVK’s integrated cage fin fish farming in Pokkali fields and also in granite quarries, the Fish Farmers Development Agency (FFDA) under the State Government has initiated a subsidy scheme to further popularize this technology. Under this scheme, the agency support fish farming in open Pokkali fields, cages sited in Pokkali fields and also in granite quarries. Total of 100 ha open fields and 50 cage units, each comprising 2 cages would receive financial assistance (INR8000/- per cage unit and INR20,000/- per ha open field) from the agency this year. KVK is the technology partner in this programme, which will extend technology backstopping to the farmers.
SWACHH BHARATH INITIATIVE

ICAR-KVK LAUNCHED ‘FISHLIZER’ - AN ORGANIC FERTILIZER FROM MARINE FISH WASTE

KVK launched a new organic fertilizer from marine fish waste - ‘Fishlizer’ as part of its Swach Bharat initiative. The product was launched by Dr. A.K. Singh, Deputy Director General (Agricultural Extension) of Indian Council of Agricultural Research on 14th August 2015 at ICAR-CMFRI. This product is produced through microbial degradation of marine fish waste in coir pith medium, a waste product from the coir industry. Fishlizer contains all essential elements for plant growth. The amino acids present in the marine fish would enhance flowering and fruit setting in plants, favouring enhanced production. The Fishlizer is available for purchase in 500gm packets at ICAR-CMFRI-ATIC/ KVK Sales Counter. The standard recommendation is 200 g Fishlizer per grow bag as basal dose and subsequent 50 g at every 15 days interval.

INTERNATIONAL TRAINEES VISITED ICAR-KVK’S FIELDS

As part of US-INDIA-AFRICA Triangular International Training Programme on “New Dimensions in Agricultural Extension Management” organized by National Institute of Agricultural Extension Management (MANAGE), Hyderabad, four Extension Functionaries from Kenya, Malawi and Liberia visited KVK partner farmer’s Pokkali fields on 11th August 2015.
The District Kudumbashree Mission, Ernakulam as a token of appreciation towards the technology backstopping provided by KVK in their agriculture projects, presented a memento to KVK during their Anniversary celebrations at Kalamassery Town Hall on August 20th, 2015. Shri. Anwar Sadath, MLA presented the memento on behalf of Kudumbashree.

KVK conducted 5 awareness programmes on Quality control in Organic farming with special reference to quality of organic inputs. Programmes were conducted at Kalady, Kothamangalam, Aiyampuzha and Thirumarady. A total of 870 farmers attended these programmes. Low quality inputs will reduce the yield of crops and in turn lead to loss of confidence among organic farmers.

KVK is promoting Goat farming as a profitable venture for safe meat production in the district. With a view to mentor a goat farmer Producer Company and also to create entrepreneurship among youngsters, KVK conducted farmer interfaces in collaboration with Animal Husbandry department in Vypeen block. KVK is preparing a directory containing contact details of all category of Goat farmers, cage/shed manufacturers, meat dealers and other related entrepreneurs in Ernakulam district.

**KVK-KUDUMBASHREE COLLABORATION ACKNOWLEDGED**

**ICAR-KVK CONDUCTED AWARENESS PROGRAMMES ON QUALITY CONTROL IN ORGANIC FARMING**

**ICAR-KVK PROMOTES GOAT FARMING FOR SAFE MEAT PRODUCTION IN ERNAKULAM**
PRE-KHARIF CAMPAIGNS

KVK conducted a Pre-Kharif campaign in collaboration with Greater Cochin Development Authority (GCDA) during 18-27th August, 2015. The Jaiva Pachakkari Mela of GCDA was inaugurated by Shri. Sreenivasan, Cine artist. Shri. Hybi Eden, MLA, Shri. Tony Chemmany, Mayor and Shri. N. Venugopal, Chairman, GCDA participated. The KVK stall displayed various KVK products, publications, technology posters etc. Nearly 2500 farmers visited ICAR-KVK stall and 200 farmers participated in the one day Homestead organic farming training programme held on 24th August 2015.

KVK participated in the Pre-Kharif Workshop and agricultural exhibition “Unarvu” organized by KVK Kottayam during 14th and 15th August, 2015. Approximately 1000 number of farmers visited Ernakulam KVK stall.

PHONE-IN PROGRAMME

A phone in programme was conducted as a collaborative programme between KVK and Malayala Manorama daily at Malayala Manoroma, Kochi office on 12th May, 2015 on the topic “Organic farming of vegetables in homesteads”. Nearly 100 calls attended and detailed half page report highlighting important queries and answers published by Malayala Manorama daily was taken to approximately 3 lakh numbers of its readers in Ernakulam district.
1. Shri. Shoji Joy Edison, Subject Matter Specialist (Horticulture) attended the review meeting of Kerala State Planning Board funded project “Enhancing the productivity of coconut based land use systems for land use planning in Kerala state” at Central Plantation Crops Research Institute (CPCRI), Kasargod on 9th April, 2015.

2. Dr. Shinoj Subramannian, Sr. Scientist and Head attended two days workshop on ‘Making engineering scientists’ contribution more meaningful to stakeholders and the nation’ at Indian Council of Agricultural Research (ICAR), New Delhi during 13-14th April, 2015.

3. Shri. Shoji Joy Edison, Subject Matter Specialist (Horticulture) attended the review meeting of the project “Pest surveillance based crop advisory” at SAMETI, Trivandrum and presented the achievements of the project on 18th April, 2015.

4. Dr. Shinoj Subramannian, Sr. Scientist and Head and Dr. PA Vikas, Subject Matter Specialist (Fisheries) attended the project presentation meeting “Development of Pearl Spot Seed Production Training Facility and Establishment of Satellite Centres in Prospective Farmers fields” at National Fisheries Development Board (NFDB) on 24th April 2015.

5. Dr. Shinoj Subramannian, Sr. Scientist and Head participated in Annual Review meeting of ICAR-KVKs of Zone VIII held at University of Agricultural and Horticultural sciences, Shimoga during 20-23rd May, 2015.

6. Dr. K. Smita Sivadasan, Subject Matter Specialist (Animal Husbandry) attended the 37th meeting of Zonal Research and Extension Advisory Committee (ZREAC), Central Zone at Regional Agricultural Research Station (RARS), Pattambi on 2nd June, 2015.

7. Dr. Shinoj Subramannian, Sr. Scientist and Head participated in ICAR-KVK National Conference and ICAR Foundation day ceremony held at Patna, Bihar during 24-27th July, 2015.

8. Dr. Shinoj Subramannian Sr. Scientist and Head, Dr. PA Vikas, Subject Matter Specialist (Fisheries), Shri. F. Pushparaj Anjelo, Subject Matter Specialist (Agricultural Extension) and Dr. K. Smita Sivadasan, Subject Matter Specialist (Animal Husbandry) attended Farmer Producer Company project meeting organized by National Bank for Agriculture and Rural Development (NABARD) at Krishi Vigyan Kendra Trissur on 4th August 2015.

9. Dr. Shinoj Subramannian, Sr. Scientist and Head, Dr. PA Vikas, Subject Matter Specialist (Fisheries), Shri. Shoji Joy Edison, Subject Matter Specialist (Horticulture) and Dr. K. Smita Sivadasan, Subject Matter Specialist (Animal Husbandry) attended the 4th Review meeting of National Innovations in Climate Resilient Agriculture (NICRA) project at ICAR-CMFRI, Kochi during 13-14th August 2015.

10. Shri. F. Pushparaj Anjelo, Subject Matter Specialist (Agricultural Extension) participated in one day workshop organized by ATARI, Zone VIII, ICAR, Bengaluru on “Role of ICAR-KVKs in Farmer Producer Organizations”, at ICAR-KVK, Namakkal on 11th September, 2015.


12. Dr. Shinoj Subramannian, Sr. Scientist and Head attended workshop on Vrikshaayurveda organized by Kerala State Planning Board at Muscot Hotel, Trivandrum on 18th September, 2015.
POPULAR ARTICLES


RADIO/TV PROGRAMME

3. Dr. Shinoj Subramannian, Sr.Scientist and Head delivered a talk on Activities of Ernakulam KVK broadcasted by AIR, Kochi FM 102.3 in Kissan Vaani programme on September 9th, 2015.

KVK - ATMA LINKAGE

As part of KVK-ATMA programmes, KVK conducted two method demonstrations on preparation and application of panchagavya at Kangarappady on 25th May 2015 and at Cheranalloor Krishi Bhavan on 13th May , 2015.

KVK conducted training programme on ‘Fish Amino acid production, Branding and Marketing’ for the progressive farmer group ‘Nanma Karshaka Sangam’ at Kangarappady on 10th August, 2015.

KVK attended 6 ATMA Monthly Technology Advisory (MTA) meetings during the report period. Shri. Shoji Joy Edison, Subject Matter Specialist (Horticulture) delivered a lecture on “Researchable issues in Horticulture” in the MTA on May 20th, 2015 and on “New generation pesticides and its use” on 22nd September, 2015.

KVK attended ATMA General Body & AMC meeting at Collectors chamber on 10th September, 2015.
ICAR-CMFRI-ATIC/KVK sales counter is located in the ground floor of ICAR-CMFRI building by the side of Goshree road near High court junction in Kochi. The counter is open for public on all working days from 10:00 am to 4:00 pm. Phone number 0484 2394867, Extension: 468.

**PRICE LIST**

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Item</th>
<th>Quantity</th>
<th>MRP (₹)**</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Amino plus</td>
<td>200 ml</td>
<td>45</td>
</tr>
<tr>
<td>2</td>
<td>Organo excel</td>
<td>1 kg</td>
<td>75</td>
</tr>
<tr>
<td>3</td>
<td>Panchagavya</td>
<td>200 ml</td>
<td>50</td>
</tr>
<tr>
<td>4</td>
<td>Neem de pest</td>
<td>250 g</td>
<td>65</td>
</tr>
<tr>
<td>5</td>
<td>Neem oil*</td>
<td>200 ml</td>
<td>70</td>
</tr>
<tr>
<td>6</td>
<td>Neem Cake</td>
<td>1 kg</td>
<td>45</td>
</tr>
<tr>
<td>7</td>
<td>Tobacco decoction kit</td>
<td>1 No</td>
<td>45</td>
</tr>
<tr>
<td>8</td>
<td>Fruit fly trap</td>
<td>1 No</td>
<td>35</td>
</tr>
<tr>
<td>9</td>
<td>Pheromone trap (Vegetables)</td>
<td>1 No</td>
<td>155</td>
</tr>
<tr>
<td>10</td>
<td>Pheromone trap (Mango)</td>
<td>1 No</td>
<td>155</td>
</tr>
<tr>
<td>11</td>
<td>Vegetable Top Up</td>
<td>500 g</td>
<td>80</td>
</tr>
<tr>
<td>12</td>
<td>Banana Top Up</td>
<td>500 g</td>
<td>80</td>
</tr>
<tr>
<td>13</td>
<td>Fishlizer</td>
<td>500 g</td>
<td>30</td>
</tr>
<tr>
<td>14</td>
<td>Vegetable seeds</td>
<td>1 Pkt</td>
<td>10/- to 25/-</td>
</tr>
<tr>
<td>15</td>
<td>Pearl plus feed PS 1, PS 2, PS 3, PS 4</td>
<td>1 kg</td>
<td>100</td>
</tr>
<tr>
<td>16</td>
<td>Pearl plus feed PS 5</td>
<td>1 kg</td>
<td>90</td>
</tr>
</tbody>
</table>

* Also Available in 20 kg packing  only for Govt. Organizations  ** Competent authority may change price from time to time. Discount applicable for direct purchase from sales counter.

**PRICED PUBLICATIONS**

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Name of Publication</th>
<th>Price (₹)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>100 days schedule for vegetable cultivation in grow bags (User’s Manual)</td>
<td>5</td>
</tr>
<tr>
<td>2</td>
<td>Jaiva Pachakkari Krishikkoru Kaipusthakam</td>
<td>30</td>
</tr>
<tr>
<td>3</td>
<td>Jaiva Sukshmanu –Sukshmamoolaka Koottukal- Oru Parichayam</td>
<td>10</td>
</tr>
<tr>
<td>4</td>
<td>Nadan Vittinangalude Registrationum Karshakarude Anubandha Avkashangalum</td>
<td>5</td>
</tr>
</tbody>
</table>

April - September 2015
### ONGOING FARMER PARTICIPATORY PROGRAMMES

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Programme</th>
<th>Location</th>
<th>Partner farmers</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Testing of ginger accessions SE 8640 in comparison with IISR Varadha</td>
<td>Manjapra, Kalady, Mookanoor</td>
<td>A.P.Varkey, P.O.Paulose, V.S.Wilson, K.P.Kuttapan, M.A.Paulose</td>
<td>9947994681, 9744155531, 9048539400, 9605230335, 9847391397</td>
</tr>
<tr>
<td>2</td>
<td>On farm testing of ICAR-CMFRI pellet feed for silver pompano grown in brackish water ponds</td>
<td>Cheri, Anapuzha, Pallippuram, Kanamal</td>
<td>V.M Kunjappan, M.A Sukumaran, Rajesh M.B, Appu Antony</td>
<td>8592047344, 9349854180, 9947614868, 9995074306</td>
</tr>
<tr>
<td>3</td>
<td>High density culture and marketing of Mullet (Mugilcephalus) in brackish water ponds</td>
<td>Chellanam, Kandeikadavu, Kumbalanghi</td>
<td>V.B Reghu, Neethu Melvin, Antony Kunjumon</td>
<td>9645481791, 9746274660, 0484 248638</td>
</tr>
<tr>
<td>4</td>
<td>High density Cage culture of fin fishes in fresh water bodies</td>
<td>Karukuttty</td>
<td>Fr. Jacob Mulavarikkal</td>
<td>9447662600</td>
</tr>
<tr>
<td>5</td>
<td>Demonstration of Integration of fin fish culture with paddy and shrimp in pokkali fields under NICRA</td>
<td>Kadamakkudy, Nedungad, Chakkaraachaal, Nayarambalam, Pizhala'Thuruth, Narakkal</td>
<td>Pushpangathan K.A ShyamSundar P.R, Vincent V.A, Vinod Kumar DV, K.R Vyas</td>
<td>8547305812, 8086800056, 9847559999, 9895255781, 9562435149</td>
</tr>
<tr>
<td>6</td>
<td>Demonstration of Integrated Pest Disease and Nutrient Management in nutmeg</td>
<td>Mattoor</td>
<td>K.C. Babu, Jijy George, George K.S., Ittyera K.P.</td>
<td>9947855101, 9495566284, 9497202296, 9037394912</td>
</tr>
<tr>
<td>7</td>
<td>Demonstration of Integrated crop management and mechanization in paddy</td>
<td>Thiruvaniyoor</td>
<td>Sibi Xavier</td>
<td>9995305181</td>
</tr>
<tr>
<td>8</td>
<td>Demonstration of precision farming in high density planting of banana</td>
<td>Vennala</td>
<td>Kailas R. Kartha</td>
<td>9895758575</td>
</tr>
</tbody>
</table>

### TEAM ICAR-KVK ERNAKULAM

<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Name</th>
<th>Designation</th>
<th>Expertise</th>
<th>Contact No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Shinoj Subramannian</td>
<td>Senior Scientist and Head</td>
<td>Agro processing and mechanization</td>
<td>9496303457</td>
</tr>
<tr>
<td>2</td>
<td>Smt. P.Sreeletha</td>
<td>Subject Matter Specialist (Home science)</td>
<td>Food Industry Entrepreneurship development, Agro waste utilization</td>
<td>9447866771</td>
</tr>
<tr>
<td>3</td>
<td>Shri. F. Pushparaj Anjelo</td>
<td>Subject Matter Specialist (Agri Extension)</td>
<td>Creating farmer's organisations, Quality control in organic farming</td>
<td>9400257798</td>
</tr>
<tr>
<td>4</td>
<td>Shri. Shoji Joy Edison</td>
<td>Subject Matter Specialist (Horticulture)</td>
<td>Family farming, rain shelters and Precision farming</td>
<td>9746469404</td>
</tr>
<tr>
<td>5</td>
<td>Dr. K.Smita Sivadasan</td>
<td>Subject Matter Specialist (Animal Science)</td>
<td>Animal Husbandry</td>
<td>9446120244</td>
</tr>
<tr>
<td>6</td>
<td>Dr. Vikas P.A.</td>
<td>Subject Matter Specialist (Fisheries)</td>
<td>Aquaculture</td>
<td>9447993980</td>
</tr>
<tr>
<td>7</td>
<td>Smt. Dipti N.V.</td>
<td>Programme Assistant</td>
<td>Good Agricultural practices (GAP), Organic farming</td>
<td>3895523463</td>
</tr>
<tr>
<td>8</td>
<td>Shri. D. Augustus Julin Raj</td>
<td>Administrative Assistant</td>
<td>KVK product Marketing</td>
<td>9447200573</td>
</tr>
<tr>
<td>9</td>
<td>Smt. Rincy K.R.</td>
<td>Jr. Stenographer</td>
<td>KVK product Marketing</td>
<td>9496039879</td>
</tr>
<tr>
<td>10</td>
<td>Shri. M.K.Anilkumar</td>
<td>Skilled Supporting Staff</td>
<td></td>
<td>9746282904</td>
</tr>
<tr>
<td>11</td>
<td>Ms. Nishida P</td>
<td>Skilled Supporting Staff</td>
<td></td>
<td>9526941358</td>
</tr>
</tbody>
</table>
The fourth Annual review workshop of the project - National Innovations on Climate Resilient Agriculture (NICRA) was held at ICAR-CMFRI during 13-14 August, 2015. About 170 Scientists and experts from 40 ICAR Institutes as well as State Agricultural Universities participated. The workshop was inaugurated by Dr. S. Ayyappan, Secretary, Department of Agricultural Research and Education (DARE) & Director General, Indian Council of Agricultural Research (ICAR), New Delhi. Deputy Director Generals of respective Subject Matter Divisions (SMDs) of ICAR, Vice-chancellors of SAUs, Directors of ICAR institutes and other senior officers also attended. In the inaugural meeting, ICAR-CMFRI was honoured by the Hon DG, ICAR, as one among the four best performing institutes under the NICRA project.

Shri. Shoji Joy Edison, Subject Matter Specialist (Horticulture) represented ICAR-CMFRI and participated in the ICAR inter institutional games held at Kochi from 25th to 28th May and won 1st prize in shotput, 1st prize in Basket ball (as team member) , 2nd prize in Relay (4 x 100 m) , 3rd prize in Javelin throw & 400 meters race. ICAR-CMFRI became the overall champion with 72 points.

Dr. PA Vikas, Subject Matter Specialist (Fisheries) bagged the Indian Council of Agricultural Research (ICAR) instituted Jawaharlal Nehru award for P.G. outstanding doctoral thesis Research in Fisheries Science - 2014. The recognition is for conducting qualitative assessment and development of superior Indian strain of Artemia following selective breeding method as an alternative for exotic Artemia. The award comprises of citation, gold medal and fifty thousand rupees. The award was presented during the ICAR foundation day celebrations held at Patna during 25-26 July, 2015. The Union Ministers of State for Agriculture, Dr. Sanjeev Kumar Balyan and Shri. Mohan Bhai Kundariya together presented the award to him. Dr. PA Vikas completed his research under the guidance of Dr. P.C. Thomas, Principal Scientist of ICAR-CMFRI, from Mangalore University.

Dr. Vikas PA, Subject Matter Specialist (Fisheries) receiving Jawaharlal Nehru award from union Ministers

Shri. Shoji Joy Edison, SMS (Horticulture) receiving the medal and certificate from Dr. A.Gopalakrishnan, Director, CMFRI.

ICAR-CMFRI HOSTED 4TH ANNUAL REVIEW WORKSHOP OF NICRA PROJECT

ICAR-CMFRI NEWS
ICAR-CMFRI WINS INDIRA GANDHI RAJBHASHA PURASKAR

ICAR-Central Marine Fisheries Research Institute, Kochi won the Indira Gandhi Rajbhasha Puraskar for the year 2014-15 for excellent work and commendable achievements in the field of Official Language Implementation Policy. In a gracious programme held at Vigyan Bhavan, New Delhi on 14th September 2015, Dr. A. Gopalakrishnan, Director, ICAR-CMFRI received the award from His Excellency President of India, Shri Pranab Mukherjee.

ICAR-CMFRI RELEASES ALL INDIA MARINE FISH LANDINGS DATA 2014

In a Press Meet held on 2nd May 2015, Dr. A. Gopalakrishnan, Director, officially released the All India marine fish Landing data - 2014 collected under the aegis of the Fishery Resources Assessment Division. Data indicated that India’s marine fish Landings (excluding Lakshadweep and Andaman & Nicobar Islands) reached 3.59 million tonnes in 2014. Of the 9 maritime states and 2 union territories, Gujarat ranked first with estimated Landings (in Lakh tonnes) being 7.12 (19.8%) followed by Tamil Nadu with 6.65 (18.5%), Kerala 5.76 (16%). The value of marine fish Landings during 2014 based on the price at Landing centre level was ₹ 31754 crores.

CADALMIN™ ANTIDIABETIC EXTRACT FROM SEAWEEDS RELEASED

Cadalmin™ Antidiabetic extract (ADe), a nutraceutical product with activity against type-II diabetes developed from seaweeds by ICAR-Central Marine Fisheries Research Institute has been released by the Hon’ble Union Minister of Agriculture, Shri Radha Mohan Singh during the ICAR Foundation Day on 26th July 2015 at Patna. The product is ready for out-licensing to the pharmaceutical/biopharmaceutical companies.
ICAR-CMFRI has started an innovative communication platform - ‘Kadal Anubhavangal’

ICAR-CMFRI has opened an innovative communication platform - “Kadal Anubhavangal” for learning from stakeholders. The objective of this platform is to break the disconnect between the Research system and the Stakeholder Constituency by providing an arena to the stakeholder to share his or her experiences, concerns and suggestions for ensuring a sustainable future for the industry. The first talk in the series, organized on 09th July 2015 at ICAR-CMFRI, was delivered by Mr. Jossy Palliparambil, a mechanized boat owner based at Munambam, who is well known for his stakeholder induced initiatives in Responsible Fisheries. Mr. Jossy was felicitated by the Honourable ADG (Marine Fisheries), ICAR, Dr Madan Mohan in the presence of the Director ICAR-CMFRI Dr. A. Gopalakrishnan. Dr C. Ramachandran, Principal Investigator of the ICAR funded research project under which the interface was mooted, welcomed the gathering and briefed about the series of talks and its aim.

A well-equipped fish Ageing Laboratory was established at the Institute headquarters with the aim of supporting the marine fisheries research and length frequency based fish stock assessment programmes by age validation using hard parts of fish. The facility was inaugurated by Dr. A. Gopalakrishnan Director, CMFRI, on 30th June 2015. The lab is equipped with an ultra sonic cleaner for cleaning Otoliths prior to sectioning for ageing studies.

Based on scientific studies, ICAR-CMFRI arrived at Minimum Legal Size (MLS) for 58 commercial species of fin-fishes and shellfishes and data recommended to Government of Kerala. From this, the government has notified the MLS for 14 species as a first step to prevent juvenile fish exploitation in Kerala coast. A minimum legal size (MLS) is viewed as a fisheries management tool with the ability to protect juvenile fish, maintain spawning stocks and control the sizes of fish caught. The MLS sets the smallest size at which a particular species can be legally retained if caught. Setting MLS and implementing it would increase the economic efficiency of the fishery besides affording protection to juveniles and allowing them to grow in weight and length.

A well-equipped fish Ageing Laboratory was established at the Institute headquarters with the aim of supporting the marine fisheries research and length frequency based fish stock assessment programmes by age validation using hard parts of fish. The facility was inaugurated by Dr. A. Gopalakrishnan Director, CMFRI, on 30th June 2015. The lab is equipped with an ultra sonic cleaner for cleaning Otoliths prior to sectioning for ageing studies.

Based on scientific studies, ICAR-CMFRI arrived at Minimum Legal Size (MLS) for 58 commercial species of fin-fishes and shellfishes and data recommended to Government of Kerala. From this, the government has notified the MLS for 14 species as a first step to prevent juvenile fish exploitation in Kerala coast. A minimum legal size (MLS) is viewed as a fisheries management tool with the ability to protect juvenile fish, maintain spawning stocks and control the sizes of fish caught. The MLS sets the smallest size at which a particular species can be legally retained if caught. Setting MLS and implementing it would increase the economic efficiency of the fishery besides affording protection to juveniles and allowing them to grow in weight and length.
Pokkali fish festival in city on Saturday

Pokkali rice gets a trademark

KVK launches research programme on coconut

KVK launches research programme to augment coconut productivity in Kerala

New Fish Farming Method Yields Double Profit

Training for organic farmers

ICAR-KRISHI VIGYAN KENDRA (ERNAKULAM)
KVK’s participation in Exhibitions

Self Farming for Safe food: Organic Farming Training for General Hospital Staff, Ernakulam

Integrated Pest Disease & Nutrient Management in Nutmeg, Ankamaly, Ernakulam

Field demonstration of high density planting in banana, Pallipuram, Ernakulam

KVK’s participation in Exhibitions