A stylized illustration featuring a rainbow in shades of orange and yellow on the left, a bright yellow sun in the center, and two light blue fish swimming towards the right. The background is a gradient of light blue and green.

Chapter 6 Extension Achievements

6.1. Short Term Training Programmes / Special Training Programmes for NE States/ Other States etc. Organized

Title	Venue	Duration	No. of Participants
Handholding training programme on freshwater aquaculture	IESWM, Department of Environment, W.B.	22-26 Apr, 2014	23
On-Job Training Programme on Culture of carp & ornamental fish and fish processing	JLN College, Rohtas, Bihar (B.Sc. Industrial Fish & Fisheries students)	21 Apr -7 May, 2014	21
Ornamental fish breeding and culture	NFDB, Hyderabad	24- 30 Jun, 2014	24
Magur breeding & hatchery management	CIFE Centre Powarkheda	02-08 Jul, 2014	8
Freshwater aquaculture	NFDB, Hyderabad	04-10 Jul, 2014	25
Freshwater aquaculture	NFDB, Hyderabad	30 Jul- 5 Aug, 2014	26
In-Plant Training programme	Kolkata centre	31 Jul- 27 Sep, 2014	21
Carp breeding and hatchery management	CIFE Centre Powarkheda	16-22 Jul, 2014	17
Seed production and culture of Magur	CIFE Centre Kakinada	01-07 Aug, 2014	4
Pangusius breeding & carp Seed production	Samra, Dhantri Rajiv Gandhi Fish Farm, Raipur Chattisgarh	03-05 Aug, 2014	35
Integrated fish farming system	State Fisheries Dept . Raipur	03-05 Aug, 2014	46
Ornamental fish breeding & culture	NFDB, Hyderabad	19-25 Aug, 2014	26
National Level Training Programme on Entrepreneurship development in ornamental fish breeding & culture	CIFE, Mumbai	19-25 Aug, 2014	9
Carp culture practices and recent advances	CIFE Centre Powarkheda	01-06 Sep, 2014	23
Seed production and culture of Magur	CIFE Centre Kakinada	08-12 Sep, 2014	15



Freshwater aquaculture	NFDB, Hyderabad	09 to 15 Sep, 14	25
Brackishwater finfish and shellfish aquaculture	CIFE Centre Kakinada	22-26 Sep, 2014	15
In Plant Training programme	CIFE Centre Kakinada	30 Sep-29 Nov 2014	21
On-Job training programme on Fish processing technology, ornamental fish breeding & culture	CIFE Centre Kolkata	09-22 Oct, 2014	32
Inland saline water aquaculture management practices	CIFE Centre Rohtak	13-17 Oct, 2014	17
Soil and water quality management in aquaculture	CIFE Centre Rohtak	20-25 Oct,, 2014	25
Inland saline water aquaculture management practices	CIFE Centre Rohtak	27-31 Oct, 2014	44
Disease diagnosis, control and treatment measures in aquaculture	CIFE Ccentre Kakinada	27 Oct - 02 Nov, 2014	10
Advances in carp culture practices	CIFE Centre Powarkheda	27 Oct - 01 Nov, 2014	11
Ornamental fish breeding & culture	NFDB, Hyderabad	07-13 Nov, 2014	25
Freshwater pisciculture	World Bank financed Assam Agricultural Competitiveness Project	01-05 Dec, 2014	51
Freshwater aquaculture	NFDB, Hyderabad	07 – 13 Dec, 2014	25
Training on Fish nutrition and feeding strategies		16- 22 Dec, 2014	06
<i>Matsya palan</i> (in Hindi)	CIFE Centre Powarkheda	16-20 Dec, 2014	24



Ornamental fish breeding & culture	MPEDA	02-06 Jan, 2015	21
Fish and prawn culture (in Hindi)	CIFE Centre Powarkheda	28 Jan - 06 Feb, 2015	20
Fish and prawn culture (Hindi)	CIFE Centre Powarkheda	09-18 Feb, 2015	19
Field training programme for DoF, Kerala	CIFE Centre	16-20 Feb, 2015	10
Ornamental fish breeding & culture	NFDB, Hyderabad	17-23 Feb, 2015	28
Fish processing and value added fish products	NFDB, Hyderabad	23 Feb - 01 Mar, 2015	20
<i>Mithe pani me machhli palan</i>	Khagaria ,Bihar	24 Feb-02 Mar, 2015	25
Fish and prawn culture (Hindi)	CIFE Centre Powarkheda	19-28 Feb, 2015	20
Important aspects of fisheries & aquaculture	CIFE Centre Powarkheda	02-07 Mar, 2015	11
Data analysis through statistical software SPSS	CIFE, Mumbai	23-27 Mar, 2015	24
ish nutrition, feeding strategies	NFDB, Hyderabad	03 - 10 Mar, 2015	25
<i>Mithe pani me machhli palan</i>	Bhojpur, Bihar	10-19 Mar, 15	25
<i>Mithe pani me machhli palan</i>	Sheohar, Bihar	11-19 Mar, 15	14
<i>Mithe pani me machhli palan</i>	Buxar, Bihar	20-26 Mar, 2015	19
<i>Mithe pani me machhli palan</i>	Jehanabad, Bihar	27 Mar-02 Apr, 2015	25
Fish and prawn culture (Hindi)	CIFE Centre Powarkheda	23 Mar - 1 Apr, 2015	14

Fish Farmers' Day at CIFE HQ

About 50 ornamental fish farmers, breeders, domestic traders, exporters and aquarium accessories traders participated in the Fish farmer's day celebrated at ICAR-CIFE, Mumbai on July 10, 2014. Deliberations included expert interventions by Mr. Mehmood Syed, Ornamental fish breeder and exporter, Dr. K. Palanisamy, Deputy General Manager NABARD, Mumbai and Mr. Anil Kumar, Deputy Director, MPEDA. Dr. W.S. Lakra, Director, CIFE, Mumbai inaugurated the meet. The need for development of an association of ornamental fish farmers was felt to take care of the interests of this sub sector. A concentrated effort was felt necessary to identify rare domestic breeds that command a high price in the domestic market and breed them for gaining economic stability and conservation of biodiversity. Lack of proper guidelines for ornamental fish culture, especially with respect to live feed, quality enhancement, transportation, price stabilization and standardization are some major issues that have to be dealt with on a war footing. The stakeholders were advised to develop a strong association in order to project the demands of the sector effectively.



6.2. Farmers' meet/Awareness Programmes etc. organised

Event	Venue	Duration	Participants
Awareness Workshop on "National Surveillance Programme for Aquatic Animal Diseases"	Dahanu, Maharashtra	07 Jun, 2014	30 farmers
Awareness-cum-Workshop on Fish milt cryopreservation technology	Aizawl, Mizoram	05 -07 Feb, 2015	65
Fisheries entrepreneurship development on integrated farming systems for improved and diversified livelihood options for small and marginal farmers of NEH	AAU Johrat	10-14 Feb, 2015	65
Awareness Workshop on "National Surveillance Programme for Aquatic Animal Diseases"	Valsad, Gujarat	22 Feb, 2015	25
Ornamental Fish Farmers' Day	ICAR-CIFE, Mumbai	10 Jul, 2015	100
Training-cum-Workshop on "Aquaculture and Fisheries Management for Food and Nutritional Securities in Arunachal Pradesh"	Itanagar, Arunachal Pradesh	10-11 Jun, 2014	70
Shrimp farmers' awareness programme on Surveillance of Aquatic Animal Diseases	Dahanu Maharashtra		23
Shrimp farmers' awareness programme on Surveillance of Aquatic Animal Diseases	Valsad, Gujarat		14
Progressive Fish Farmers Meet – Development of database & strengthening professional linkages (farmers participated from W.B, Bihar, Jharkhand and Eastern U.P)	CIFE, Mumbai	23 Aug, 2014	38
Database & social security of fishers	FISHCOPFED, New Delhi	28 Aug, 2014	30
Farmers' meet	CIFE Centre, Rohtak	13 Nov, 2014	25
Fish collection and transportation scheme for fish farmers of Sunderban, W.B.	Nature Environment and Wildlife Society (NEWS) Kolkata	12 Dec, 2014	35



6.3 Exhibitions organized

S. No	Events	Venue	Duration
1.	Versova Koli Sea Food Festival 2015	Versova Fishing Village, Mumbai	9-11 Jan, 2015
2.	'Kisanmela' organized by the Dept. of Agriculture, Hoshangabad	Krishi Upaj Mandi, Hoshangabad	20 Sep, 2014
3.	'Krashimela' organized by the Dept. of Agriculture, Hoshangabad	Krishi Upaj Mandi, Hoshangabad	15-17 Oct, 2014
4.	"Career Mela" organized by the S.N.G. College, Hoshangabad	N.M.V. College, Hoshangabad	25-26 Feb, 2015

6.4. Visit Coordination

S No	Date	Visitors	No. of Visitors
Powarkheda			
1	28 Apr, 2014	Newly recruited State Govt. Officers from R.C.P.V. Academy, Bhopal	08
2	23 May, 2014	A team of farmers from Dist. Chindwara	14
3	23 May, 2014	A team of Female farmers from Dist. Chindawara	30
4	17 Jul, 2014	Students and staff from Tagore Public School, Seoni-Malwa	16
5	23 Jul, 2014	Under 'ATMA' program Farmers and staff from Dist. Vidisha	42
6	06 Aug, 2014	Under ATMA Pariyojana from Vidisha District Farmers	42
7	12 Aug, 2014	Under 'MPVA' Pariyajana from block Amala & Bhaidehi, Dist., Betul (Ladies farmers)	60
8	13 Aug, 2014	Under 'MPVA' Pariyajana from block Chicholi, Shahpur, Dist, Betul (Ladies farmers)	60
9	21 Aug, 2014	Ladies farmers from Ghodadongri Dist., Betul .	60
10	26 Aug, 2014	Under Jaivik Kheti Prosyahan Yojana from block Khalwa, Dist., Khandwa farmers	60
11	28 Aug, 2014	Under 'MPVA' Pariyajana from block Adhaner, District Betul ladies farmers	30
12	30 Aug, 2014	Under 'MPVA' Pariyajana from Dist. Betul, ladies farmers	30
13	01 Sep, 2014	Farmers from block Bhimpur, Betul	30
14	11 Sep, 2014	Students, research scholar and faculty from Dept. of Applied Aquaculture, B.U., Bhopal	12

15	16 Sep, 2014	Ladies farmers from block Khalwa, Dist. Khandwa	30
16	17 Sep, 2014	Farmers from block Kesla	15
17	27 Sep, 2014	Farmers from block Chicholi, Dist. Betul	50
18	31 Oct, 2014	B. Sc. Students (Girls) from Pandit Jawaharlal Nehru MahaVidhyalaya, Amla (M.P.) along with the faculty	18
19	05 Nov, 2014	Girl students from Govt. Home Science College, Hoshangabad under NSS program	50
20	11 Dec, 2014	Under 'ATMA pariyojna' from Dist. Vidisha, Farmers	48
21	05 Jan, 2015	XI Class students and staff from Jawahar Navodaya Vidyalaya, Powarkheda	07
22	21 Jan, 2015	Scout students of different districts and staff from Jawahar Navodaya Vidyalaya, Powarkheda	155
23	23 Jan, 2015	Farmers from Farmers Training Centre, Powarkheda,	20
24	12 Feb, 2015	Students alongwith the staff members from Sadhu Vasavani Mahavidhyalay, Bairagarh, Bhopal	12
25	25 Feb, 2015	Farmers from Tah. Ganjbasoda Dist. Vidisha under 'Mukhyamantri Khettirth Yojana'.	64
26	26 Feb, 2015	Farmers from Tah. Athner, Dist. Betul under 'Krishi me Mahilayoki Bhagidari' program	30
27	03 Mar, 2015	Farmers from Dist. Ashoknagar	18
28	04 Mar, 2015	Under 'ATMA' pariyojana MAPVA mahila farmers from Dist. Betul	30
29	16 Mar, 2015	B.Sc. students from Govt. N.M.V. Hoshangabad,	06
30	19 Mar, 2015	Under 'ATMA' pariyojana MAPVA mahila farmers from Dist. Betul	30
31	21 Mar, 2015	Under 'ATMA' pariyojana MAPVA mahila farmers from block Khalwa Dist. Khandwa	30
32	23 Mar, 2015	Under 'ATMA' pariyojana MAPVA mahila farmers from Dist. Betul	30
Rohtak			
1.	03 Jun, 2014	Farmers and State Fisheries Officials, Haryana	10
2.	07 Aug, 2014	State Fisheries Officials, Haryana	12
3.	07 Aug, 2014	Farmers from Haryana State	08
4.	24 Sep, 2014	Farmers and State Fisheries Officials, Haryana	06
5.	07 Oct, 2014	Farmers from Haryana State	04
6.	03. Dec, 14	Farmers from Haryana State	08
7.	09 Mar, 2015	Trainees from 101 th FOCARS, NAARM	05
Kakinada			
1.	18-21 Jun, 2014	B.F.Sc Students from College of fisheries, Assam State	25
2.	10 Nov, 2014	Fishery officials from Govt. of Erethria	05
3.	10 Dec, 2014	B.Sc. students P.R. Govt. College, Kakinada	49
4.	19 Dec, 2014	Fish farmers from Haryana	06
5.	16-17 Jan, 2015	B.F.Sc. students from college of fisheries, Chhattisgarh State	25
6.	20-21 Jan, 2015	In-Service Fishery Officers from Dept. of fisheries, Kerala	06

6.5. Transfer of Technology and Demonstration/Product Development

Fish Milt Cryopreservation Technology, Aizawl, Mizoram

Beneficiaries : State fisheries officials and entrepreneurs

Impact : The state fisheries officials were eager to adopt the technology and were ready to take future demonstrations and advanced training. Liquid Nitrogen containers were handed over to the department in the presence of the Fisheries Minister

Raising carp fingerlings in cages and pens, Dimbhe Reservoir, Dist. Pune

Beneficiaries : Tribals and locals

Impact : Installation of cages practicing cage aquaculture and pen culture for in situ rearing of fingerlings of IMC was demonstrated in Talab with community participation at each step of operation

Carp and prawn seed production and rearing fish and prawn culture techniques, CIFE Centre, Powarkheda.

Beneficiaries : Fish farmers/entrepreneurs, students and other visitors visiting the centre for technical guidance.

Impact : Fish culture is now being adopted on scientific lines by fish farmers of Bihar and local farmers who have undergone training and visited this centre.

Commercial farming of *L. vannamei* in salt affected soils, Rohtak and Hissar districts of Haryana

Beneficiaries : Farmers

Impact : The demonstration trials have been successfully completed showing an average production of 7.0 to 10.0 tons/ha. Seeing the successful results, the technology had been accepted by the State Fisheries Department, Govt. of Haryana, which would be promoted under RKVY Scheme with 50% subsidy to the farmers. The shrimps have grown to 23.0 to 32.5 g and 20.5 to 25.0 g in 120 to 150 days and 110 to 130 days at Baniyani and Meham respectively.

Carp hatchery and seed production, Dimbhe Reservoir, Dist. Pune

Beneficiaries : Tribals and Locals

Impact : Community is producing carp seed from the hatchery set up and utilizing the resources for increasing fish production from the reservoir. The community is also getting acquainted with the hatchery operations. Ice block making machine is being operated by community at Dimbhe reservoir for short term holding of fish catch.

6.6. Activities under Tribal development programme

Kastodanga II Gram Panchayat, Haringhata Development Block, Dist. Nadia, West Bengal

- 25 beneficiaries were provided with 30 no./head of day old Khaki Campbell and 4 kg of duckling feed. . A follow up is under progress and they are regularly being monitored and technically supported.

Bali Island, Sunderban, South 24 Parganas, West Bengal

- A portable carp hatchery has been installed for training of tribal farmers at CIFE Centre, Kolkata. Ten farmers were provided with starter inputs for culture of freshwater prawn with carps. A follow up by the scientists of Kolkata center is undertaken with full technical support.

Tribal Farmers orientation and awareness program in Shahpur, Village, District Thane, Maharashtra.

- A one day orientation cum awareness program was organized on 18th March,2015 for the tribal Farmers in Shahpur, District Thane, Maharashtra. Around 170 tribals including women participated from nearby villages. Fish culture technologies suitable for them and their benefits were explained.

Fish pond constructed at Thane for tribal

- A community fish pond (100 x 100 feet, 6 feet deep) was constructed at Shirol village, Shahpur, Thane, a complete tribal area. About 100 tribal families will be benefitted by this activity.



6.7. Print media (Published in news/online/newspaper)

- A wide coverage of exhibitions and technical information rendered by CIFE centre, Powarkheda during exhibitions was given in leading local Newspapers.
- Breakthrough in shrimp farming in inland saline areas was published in ICAR Website, 13th November, 2014 <http://www.icar.org.in/en/node/8305>
- Article titled 'New tech gives a boost to shrimp farming in Punjab & Haryana, Chandigarh' July 30, 2014, http://www.business-standard.com/article/markets/new-tech-gives-a-boost-to-shrimp-farming-in-punjab-haryana-114073001635_1.html
- *Kolleru chepalu bhale bagu* a press publication by Dr. Arun Sharma , Mr. R. R.S. Patnaik and Assam Fisheries Students was published on 13 November 2014 on Eenadu-Krishna Dist (Daily Telugu News paper)
- *Chepala pempakam parisi linchina* (Assam students) was published on 13 November 2014, Andhra Jyoti Kaikaluru Edition
- *Kollerulo chepalsagu vidhanam bhes* was published on 13 Novemebr 2014 by Sakshi Daily Telegu Krishna Dist edition
- *Nalla Jaati chepalapi Assam vidhyarthula adhyanam* was published on 18 November 2014 in Andhra Jyothi Kaikaluru Edition
- Andhra chepala sagu adursh was published on 18 November 2014 in Sakshi Daily Telugu News Paper, Krishna District
- Dr. Megha Bedekar published the following articles in the newspaper *Kheti duniyaan (2014), Patiyala*
 - त्जलिय मछलियों के रोग
 - गजल के वातावरण का मछलियों के स्वस्थ्य पर प्रभाव
- The event of Calbasu stocking in Narmada River at the occasion of 'Sand Lake Festival' organized by the Hoshangabad District authorities on 27 February 2015 was well covered in local newspapers.

6.8. TV/Radio Talk delivered

S.No	Name of the person who delivered	Name of the talk	Date	Name of the programme
1	Dr. J. Krishna Prasad	<i>Mariyu pempakam lo adhunika paddathulu</i>	10 Apr, 2014	All India Radio Visakhapatnam
2	Dr. Somdutt Dr. R. K. Upadhyay	Centre's activities and pre-monsoon pond preparations	25 Apr, 2014	Bhopal Doordarshan Bhopal under 'Krishi Darshan' program
3	Dr. Mahapatra	<i>Aquarium-e Joloj Udvit Bosanor Gurutwab</i>	30 Jul, 2014	Annadata, Programme of ETV Bangla
4.	Dr. Mahapatra	<i>Punti Macher Pronodito Projonon</i>	23 Aug, 2014	Annadata, Programme of ETV Bangla
5	Dr. R.K. Upadhyay	Live telecast on 'Krashak Sangosthi' at KVK centre Dist. Raisen	30 Sep, 2014	Bhopal Doordarshan, Bhopal
6	Mr. V. Harikrishna	Shrimp culture in saline affected soils	25 Nov, 2014	All the local channels
7	Dr. A. K. Reddy	Shrimp farming in saline affected soils	28 Nov, 2014	All the local channels
8	Dr. Mahapatra	Breeding of Cory cat fish	06 Dec, 2014	ETV Bangla Annadata Programme
9	Dr. Mahapatra	Food of Aquarium Fish	28 Dec, 2014	ETV Bangla Annadata Programme
10	Dr. Mahapatra	Breeding of Anabas Programme	03 Jan, 2015	ETV Bangla Annadata
11	Dr. J. Krishna Prasad	<i>Marpuchapi pillauuto pathi</i>	09 Feb, 2015	All India Radio Visakhapatnam
12	Dr. R.K. Upadhyay	Fish Culture and integrated fish farming Under Gram Mangal program	23 Feb, 2015	Bhopal Doordarshan, Bhopal
13	Mr. R. Ravisankar	<i>Manchineeti Chepapillalau to pathi</i>	27 Feb, 2015	All India Radio Visakhapatnam

6.9. Field Training (FET) programme

Name of the Programme	Sponsoring organisation	Duration of Programme	No. of participants
Field Experience Training (FET) for Scientist-Trainee of 101 st FOCAARS	NAARM Hyderabad	19 Feb- 11 Mar, 15	6
Inter State Field Study Tour Programme of 17 th batch In-service trainees of Tripura Fisheries Training Institute	Tripura Fisheries Training Institute	15 Mar 2015 and 22-27 Mar, 2015	24

6.10. Exposure visits

S.No.	Visitors	Sponsored by	Date	No.
1.	Fish farmers from Department of Fisheries, Manipur	NFDB Hyderabad	(26–27 May, 14)	20
2.	Progressive Fish farmers from Tripura	Department of Fisheries, Tripura	05-10 Jun, 2014	25
3.	Progressive Fish farmers from Shasya Shyamala Krishi Vigyan Kendra, Ramakrishna Mission Vivekananda University	NFDB, Hyderabad	29 Jun- 4 Jul, 2014	25
4.	Progressive Fish farmers from Manipur	NFDB, Hyderabad	21-22 Jul, 2014	16
5.	Officers of State Fisheries Dept., Govt. of Bihar	IIT Kharagpur Directorate of Fisheries, Bihar	09 Jul, 2014	35
6.	Progressive fish farmers from Manipur	NFDB, Hyderabad	25 -26 Aug, 2014	20
7.	SHG members from Ramkarchar Gram Panchayat Sunderbans, W.B.	Nature Environment & Wildlife Society, Kolkata	01 Sep, 2014	45
8.	Programme of progressive fish farmers from Andaman & Nicobar Island	Fisheries Training Centre, Department of Fisheries, Andaman & Nicobar Island	01 Dec, 2014	15
9.	Farmers from Araria District, Bihar	ATMA	06–09 Jan, 2015	20
10.	Fish farmers from Sitamari District of Bihar	ATMA	02-04 Feb, 2015	20

6.11. Fish/Prawn Seed Production, Sale and Revenue Generated

Revenue generated

Aquaculture, CIFE Headquarters, Mumbai

- Rs 10,000/- were collected as analytical charges from soil and water quality lab
- Rs. 19,805/- as revenue from sale of ornamental fishes from Ornamental Fish Hatchery Unit .

Vessel

- An amount of Rs. 40,000/- was generated from different agencies as hiring charges of Narmada.

Rohtak

- An impressive amount of Rs. 40,91,630 (Rupees Forty Lakh ninety one thousand six hundred and thirty only) was realized as revenue on account of receipts from sale of shrimp and misc receipts during 2014-15.

Kakinada

- Revenue amounting to Rs. 10,96,345 was generated from training, sales and farm produce, etc.

Powarkheda

- A total amount of Rs. 5,69,870 was generated from seed (fry/fingerlings) sale

A stylized illustration featuring a rainbow with three bands of orange, yellow, and light blue. Below the rainbow is a bright yellow sun. In the foreground, two light blue fish are swimming in stylized waves of various shades of blue. The background is a soft gradient from light yellow at the top to light blue at the bottom.

Chapter 7

Honours and Awards

7.1. Honours and awards/Appreciations/ Important Fellowships and ICAR sports

Innovative Award

Dr. W.S. Lakra won the Innovative Award for Shrimp Farming using Inland Saline Areas from the Punjab State Council for Science & Technology, Govt. of Punjab, 2014 as team leader.

Bharat Ratna Dr. C. Subramaniam award for Best Teacher



Dr. G. Venkateshwarlu, Principal Scientist was honoured with the Bharat Ratna Dr. C. Subramaniam award for outstanding teachers -2013. He contributed as a teacher, research guide and academic administrator towards quality education.

Achievement Awards



Dr. N.P. Sahu, Principal Scientist and Head received the "Achievement Award" from Honorable Chief Minister of Kerala, Sri Oommen Chandy on 18 Sep, 2014 in recognition of meritorious services rendered in the field of Aquaculture Nutrition Research during 56th National Symposium conducted by CLFMA of India at Cochin.

Dr. Gopalkrishna, Principal Scientist and Head received Professor Har Swaroop God Medal for Outstanding contribution in Genetics and Biotechnology from Zoological Society of India, Haridwar in December 2014.



International recognition

Dr. Megha Bedekar, Senior Scientist received certificate of recognition at International Conference on Vaccine and Vaccinations held at Valencia Spain, for research work entitled “Role of interferon gamma as adjuvant in fish vaccine”

FELLOWSHIPS

Dr. K. Paniprasad, Principal Scientist was honoured with Fellow of National Academy of Biological Sciences from National Academy of Biological Sciences, Tamil Nadu on 20 July 2014 for the contribution to fisheries and aquaculture.

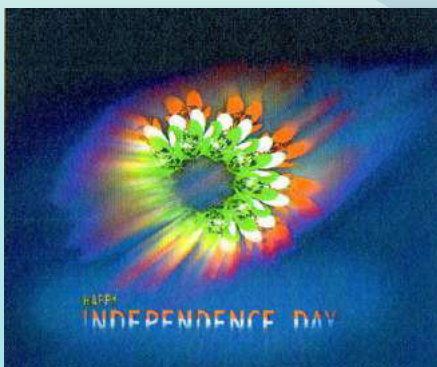
Dr. Gopalkrishna, Principal Scientist and Head received Fellowship award of National Academy of Veterinary Sciences from National Academy of Veterinary Sciences at New Delhi January for outstanding contribution in genetics.

Dr. Chaturvedi, Senior Scientist was honoured with Fellowship from Society of Agriculture & Biological Research, Lucknow U.P.



Felicitation from NAAS

Mr. Dasari Bhoomaiah, Assistant Chief Technical Officer, was felicitated by NAAS, New Delhi on 3 February 2015 for the concept and creation of XII Agricultural Science Congress logo.



Winning entry in www.mygov.nic.in

Mr. Dasari Bhoomaiah, Assistant Chief Technical Officer, won an award of Rs.10,000 and Certificate of Merit for his creative design for E-Greetings on the MyGov Portal, an interactive website launched by Prime Minister Narendra Modi to encourage citizens to contribute to governance.

APPRECIATIONS

Rohtak Centre received an appreciation letter from Dr. S. Ayyapan, Secretary, DARE, Government of India & DG, ICAR, New Delhi for the first successful demonstration of *Litopenaeus vannamei* in the farmers' fields in Haryana.

Powarkheda Centre received III prize for Best Stall for exhibition arranged under 'Krishimela' organized by the Dept. of Agriculture, Hoshangabad during 15-17th October, 2014

Mr. Dasari Bhoomaiah received certificate of appreciation for designing the logo of 10th Indian Fisheries and Aquaculture Forum organised by AFSIB, Mangalore in collaboration with NBFGR, Lucknow during 12-15 November 2015.

7.2. Institutional Awards 2013-14

S.No	Category	Awardee
1.	Best Scientist	Dr. A. K. Verma
2.	Best Young Faculty	Dr. A. Pavan Kumar and Dr. A. K. Balange
3.	Best Teacher	Dr. N. K. Chadda
4.	Best Extension Scientist/Worker	Dr. J. Krishna Prasad
5.	Best Division / Centre	CIFE Kakinada Centre
6.	Best Technical Staff	Mr. Dasari Bhoomaiah Dr. M. K. Chouksey
7.	Best Administrative Staff	Mr. Suresh H. Bhosale
8.	Award for Institutional Building	Mr. Chandrakant M H
9.	Award for Hindi Publication	Dr. Chandra Prakash
10.	Award for Patent / IPR / Technology Generation / Commercialization	Dr. G. Venkateshwarlu
11.	Award for Best Publication of the year (Highest Impact Factor)	Dr. Rakhi Kumari, Dr. Subodh Gupta, Dr. Arvind R Singh, Dr. S. Ferosekhan, Dr. D. C. Kothari, Dr. Asim Kumar Pal and Dr. B. Jadhao
12.	Award for overall Best M.F.Sc. Dissertation	Ms. Niti Sharma
13.	Award for overall Best Ph.D. Thesis	Dr. A. Khathirvel Pandian
14.	School Children — Highest Scorer in Class X (for children of employees of CIFE)	Master Aayush Grover S/o Mrs. Anu Grover
15.	School Children — Highest scorer in Class XII (for children of employees of CIFE)	Master Shrey Grover S/o Mrs. Anu Grover



7.3. ICAR Sports

CIFE won following prizes in ICAR zonal and final meet under the guidance of Chief de-Mission Mr. Alkesh Dwivedi.

1. ICAR Zonal Sports (West Zone) during 21-24 November 2014 at Jodhpur

- **Fair Play Trophy** - CIFE, Mumbai Sports contingent

Men:


- **Kabaddi Champion** - **Gold**
Team: Mr. Bhaskar Mandhare, Mr. Ravindra Kadam, Mr. Mahesh Waghela, Mr. Jagdish Dhanu, Mr. Pradeep Angane, Mr. Vasant Ondkar, Mr. Yogesh Jadhav, Mr. Dhanpat Singh, Mr. J. M. Koli and Mr. Raghuvveer Prasad
- **Badminton** - **Gold**
Team: Dr. Gaurav Rathod, Dr. Balange, Dr. A.K.Verma, Dr. Muralidhar and Dr. Kundan Kumar
- **Carrom** - **Champion - Gold** (Mr. Rohit Satyanarayana)
- **400 m Race** - **Silver** (Mr. Kunal Mann)
- **800 m Race** - **Silver** (Mr. Kunal Mann)
- **1500 m Race** - **Silver** (Mr. Kunal Mann)
- **Relay (100x4)** - **Silver**
Team: Mr. Deepak Bhokase, Mr. Kishore Bose, Mr. Ninad Kandalgaonkar and Mr. Sambhaji Shelke

Women

- **TT Single** - **Silver** (Ms. Chandrarekha Khundol)
- **TT Double** - **Silver**
Team: Ms. Chandrarekha Khundol, Mrs. Francesca Fernandes
- **Badminton Single** - **Silver** (Mrs. Vandana Tambe)
- **Badminton Double** - **Silver**
Team: Ms. Chandrarekha Khundol, Mrs. Vandana Tambe

2. ICAR Final Sports during 11-14 March 2015 at Karnal

- **Fair Play Trophy** - CIFE, Mumbai
- **800 m race** - **Gold** (Mr. Kunal Mann)
- **1500 m race** - **Gold** (Mr. Kunal Mann)



Chapter 8
Linkages and Collaboration

8.1. Linkages

The Institute maintains linkages and collaborations with various national and international institutions and agencies for educational, research and development.

Government of India Organizations

- Fishery Survey of India, Mumbai
- Central Institute of Fisheries Nautical and Engineering Training, Kochi
- Marine Products Export Development Authority, Kochi
- National Institute of Nutrition, Hyderabad
- Zoological Survey of India
- Indian Institute of Technology, Kharagpur
- Department of Earth Sciences, Government of India
- Department of Science and Technology, Government of India
- Department of Biotechnology, Government of India
- Indian National Center for Ocean Information Services, Hyderabad
- Satellite Application Centre, Ahmedabad in the utilization of OCEANSAT II
- Bhabha Atomic Research Centre, Mumbai
- Tata Cancer Research Center, Mumbai
- Indian Institute of Foreign Trade, Kolkata
- Tata institute of Fundamental Research, Mumbai
- Krishi Vigyan Kendra, Banswara, Rajasthan
- Nuclear Power Corporation of India Limited, Mumbai
- National Bank for Agriculture and Rural Development, Maharashtra



ICAR Institutes

- Central Marine Fisheries Research Institute, Kochi
- Central Institute of Brackishwater Aquaculture, Chennai
- Central Institute of Freshwater Aquaculture, Bhubaneswar
- Central Inland Fisheries Research Institute, Barrackpore
- Central Institute of Fisheries Technology, Kochi
- National Bureau of Fish Genetic Resources, Lucknow
- Directorate of Coldwater Fisheries Research, Bhimtal
- ICAR Research Complex for Goa, Goa
- ICAR Research Complex for Eastern Region, Patna
- ICAR Research Complex for North Eastern Hill Region, Barapani
- IARI, New Delhi
- Central Institute of Agricultural Engineering, Bhopal



CSIR Institutes

- Industrial Toxicology Research Centre, Lucknow
- Central Drug Research Institute, Lucknow
- Central Institute of Medicinal and Aromatic Plants, Lucknow
- Central Food Technological Research Institute, Mysore
- National Institute of Oceanography, Goa
- Centre for Cellular and Molecular Biology, Hyderabad
- National Botanical Research Institute, Lucknow
- Institute of Genomics and Integrative Biology, Delhi
- Indian Institute of Integrative Medicine, Jammu
- Indian Institute of Chemical Biology, Kolkata





Universities

- Cochin University of Science and Technology, Kochi
- Annamalai University, Chidambaram
- Adikavi Nannaya University, Rajahmundry
- University of Goa, Goa
- Acharya N.G. Ranga University, Guntur
- B.S. Konkan Krishi Vidyapeeth, Dapoli
- Maharana Pratap University of Agriculture and Technology, Udaipur
- Jawaharlal Nehru University, New Delhi
- Mangalore University, Mangalore
- Bhartiya University, Coimbatore
- West Bengal University of Animal & Fishery Sciences, Kolkata
- Mumbai University, Mumbai
- Bidhan Chandra Krishi Viswa Vidyalaya, Nadia, West Bengal
- Kalyani University, Kalyani West Bengal
- Barkhatullah University, Bhopal
- Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur
- Chhattisgarh Kamdhenu Vishwavidyalaya
- Babasaheb Bhimrao Ambedkar University, Lucknow
- Centre of Agriculture University, Imphal

Other Organizations

- Haryana Kishan Ayog, Punjab
- State Institute of Fisheries Technology, Kakinada
- Tata Power Company, Lonavala & Mumbai
- Action Aid International, Port Blair
- M. S. Swaminathan Research Foundation, Chennai
- The Seafood Exporters Association of India, Kolkata
- Nezami Rekha Sea Foods Pvt. Ltd., Kolkata
- IFB Agro Industries Ltd., Aquatic & Marine Products Div., Kolkata
- Shimpo Exports, Kolkata
- Coreline Exports, Kolkata
- Digha Sea Food Exports, Kolkata
- NSZA Sea Food Pvt. Ltd, Kolkata
- Central Calcutta Science and Culture Organization for Youth
- APC Nutrient, Mumbai
- Godrej Agrovvet Pvt. Ltd., Vijayawada
- Maharashtra Machimar Kriti Samiti, Mumbai
- Akhil Bhartiya Machimar Sanghatna, Mumbai
- Madhya Pradesh Fish Federation
- CPWD, Bhopal
- CPWD, Hoshanagabad
- Telecom Department, M.P.
- State Electricity Board, M.P.
- Saguna Baugh farm, Neral
- Tata Power co. Mahseer farm, Lonavla
- Govt. Fish Farm, Khopoli
- Arrey Fish Farm, Goregaon
- *Shramajivi Janata Sahayak Mandal, Mahad, Raigard, Maharashtra*



State Governments

Department of Fisheries of the following states:

Haryana
Uttar Pradesh
Bihar
Tamil Nadu
Andhra Pradesh
Tripura
Arunachal Pradesh
Madhya Pradesh
Meghalaya
Nagaland
Assam
Manipur
Mizoram
Sikkim
Punjab

NGOs:

- Interactive Research School in Health Affairs, Pune
- Shashwat, Manchar, District Pune
- Yusuf Meherally Centre, Kutch, Gujarat
- United Artists' Association, Ganjam, Orissa
- Friends of Nature Association, Talegaon , Maharashtra

International

- University of Idaho, Moscow, Idaho, USA
- University of Kentucky, Lexington, KY, USA
- Curtin University, Australia

8.2. Collaboration

CIFE and CAU Signed MoU for Collaboration

Central Institute of Fisheries Education (CIFE), Mumbai and Central Agricultural University (CAU), Imphal signed a MoU (Memorandum of Understanding) on 14th June, 2014 to facilitate collaboration in academic, research and training programmes.



Dr. W.S. Lakra, Director, CIFE and Dr. S.N. Puri, Vice-Chancellor, CAU exchanging MoU agreements on 14 June, 2014.