





Souvenir

Fisheries

Entrepreneurship Seminar-2018









Introduction:

Fisheries Entrepreneurship Seminar-2018 was organized at NBFGR campus Telibagh, Lucknow on April-11, 2018, Wednesday. The program was inaugurated by the Chairman, Centre for Agriculture & Rural Development, Dr.Anis Ansari. During the inaugural ceremony, Dr. Kuldeep K. Lal, Director NBFGR, Shri Rajendra Singh CGM, Matsya Vikas Nigam, Shri Dr.Dileep Kumar, former VC, CIFE, Shri P.K.Chaubey from Dayal Group were present.

More than 300 Fisheries Entreprenuers participated in the Seminar from Uttar Pradesh.







Dr. DILIP KUMAR (FORMER DIRECTOR & VICE-CHANCELLOR- CIFE)

India is self-sufficient in wheat and paddy production. We only produce carbohydrate, which cannot develop us mentally and physically. People are now progressing towards aquaculture and animal

husbandry, and this is a good opportunity. Aquaculture plays a very imp role in farmers' strategy. We mostly have Chinese hatchery, that's a very old model. Nowadays, entrepreneurs are not using this old model anymore. Instead, they are seeking for more water friendly and energy saving designs which has entirely replaced the hatcheries; it is vertical and is working quite efficiently. He said selling live fish is also added value addition. It's sold at a much higher rate. The small farmers who want to become entrepreneurs have a lack of resources, banks don't help them much in giving loan, they don't have much technology too. So we have to bring them to innovative mode, that you do your work and see how can you work more efficiently, how can you innovate more? If these farmers are brought up, then 95 % potential will help them develop these. We have to empower farmers and make then entrepreneurs and by looking at those farmers other farmers should be motivated to be entrepreneurs. Small farmers who have a pond of 0.10 hectares or 0.50 hectare they can start an aquaculture from that pond with manure, but manure how and when manure shouldn't be dumped in one place or given today and the not given the following days are regularly. Manure is to be given daily and the natural seeds will produce of the ecosystem that will be in your control, there will be no bloom and if it increases you





can decrease it and only by manure you can have a production of 3 tons.





Dr. S K SINGH (FISHERIES DEPT.)

Inter-body fish farming possibilities are there in our state. In the form of bounded water bodies, our state has 5 Lac hectare water bodies' area and 7.5 hectares flowing water bodies like rivers and canals whose total length is 28500 km. Out of the 5 Lac hectare of bounded water bodies, small ponds contribute a total area of 1.61 Lac hectare; rests are lakes. Pond fish farming was 600 kg and today fish farming average level is 4200 kg. Our average production is 3000 kg and we will take time in reaching to Bangladesh's average production which is quite high. Per capita consumption in our state is 5.5 kg per year. Our fish farmers have come forward and are becoming entrepreneurs and the scenario of our state is changing.



Dr. HARENDRA SINGH (FISHERIES DEPT.)

He spoke on policy issues for fisheries entrepreneurship. State rank of UP in total fish production is 8th, in inland fish production is 3rd, fish seed production is 6th, in inland fishery resources is 7th, so we can conclude that we UP is a sampan Pradesh. A little government support can make successful fishery entrepreneurs. You can also get training

from fisheries dept. he talked about solar power based scheme of govt. Which is

of 1 hectare and 15 Lac units; in which we have solar panel systems, solar pumps, solar aerators, solar lights so that there is energy saving. In villages there is problem of electricity due to which lack of water supply is there, ponds get dried up, so keeping these issues in mind, we are running solar power based scheme on trial in 11 areas which are showing good results





Dr. NEERAJ SOOD (PRINCIPAL SCIENTIST- ICAR NBFGR)

He said we should have knowledge about the qualities of a healthy fish; naturally bright color, fins and tails are okay, no



wound on the body, not seen in the upper layer and sides of the pond, and timely consumption of feed. He discussed about the main diseases in fish. Epizootic Ulcerative Syndrome (EUS) - red clots on the body of fish, small ulcerative wounds on the body, mostly occurs in winters. Lakhimpuri Kheri and Maharajganz have many cases of this disease. Kala Dhabbarog is caused due to a parasite; black cysts are seen on the body, mainly found in fry and angulika.



Dr. Kuldeep K. Lal

Fish culture was not developing in UP due to lack of entrepreneurship as can be seen in Punjab, Haryana, Andhra Pradesh and they produce for the business. We, in our state produce only to feed ourselves. Fish also needs management just like crops in agriculture. I thank the Centre for agriculture and rural development for organizing this program on fisheries entrepreneurship in collaboration with National Bureau of Fish Genetic Resources and Directorate of Fisheries. Industry is the first and foremost to sense the business. If we find industry for inputs like feed is locally developing, it indicates potential for aquaculture growth.





SHRI RAJENDRA SINGH (MATYSA VIKAS NIGAM)

All the discussion today leads to a point that entrepreneurship in the fisheries sector is increasing rapidly. Even the farmers who are the backbone have understood that only by giving feed and then taking out fishes is not going to help us anymore. One of the

indirect causes is govt. has increased the rent on ponds a while ago. But at present the rent has again decreased. So today we have a favorable condition in the market today for fisheries entrepreneurship. Further daily fish- eaters like it so we are getting better rates. He focused on the importance of



high quality fish seed. Fish seed should be given timely and the water should have favorable conditions for the seed. Last year Matsya Vikas Nigam gave 12 Lac bigger size seed of size 70-80 mm at the rate of 1.40 rupees per seed. And this year it will be increased to 2.28 crore.

Dr. ANIS ANSARI (CHAIRMAN- CARD)



He said, fish farming is beneficial to farmers because they can do it alongside crop farming and animal husbandry. He said that in the process of brain development of a child when he is 1-5 years old the fish is essential as it provides very good quality unsaturated poly fatty acids, which helps in the development of the brain of the growing child. He said that there is no issue of market for fish farmers in UP. In UP the amount of fish we consume is mostly the same which we have to import from other states like Andhra Pradesh and Punjab. Farmers have also started shrimp production in waters where the salt content is high. The market is not a constraint. There is a little issue in logistics that we send raw fish and cool chain is less available. Since in other states if cool chain is not available they can be kept in containers as the consumption is very rapid. This business benefits small scale farmers. This work is seasonal and is active from March to November. There should be availability of ponds. Still, there are ponds which have not

yet been auctioned. Govt. should look into the bottlenecks in the auction process of ponds. Fish farming needs technical knowledge as compared to wheat and paddy farming. He further said that the department and the corporation should use the service of WhatsApp application and should make groups of fish producers on WhatsApp so that they keep updated with the latest technology in fish farming.



SHRI P K CHAUBEY (DAYAL GROUP)

He told about his organization's mission – To Bring a Smile on Every Farmer's Face. This organization was established in 1979 and that time only one product was launched named as Monozinc. But now Dayal group has more than 250 products at present. The company produces Agri-input, animal feed, fish

feed and seeds. The company's strength are 19 states, 1200 distributors, 1700 DayalBandhu Kendra and 72 DayalKrishi Bazar. Dayal Group produces fish feed in 5 states, 50 distributors and 1000 fish farmers. Dayal group also provides knowledge to farmers through chaupal, ghosthi, demo, dealer and kisan meetings. Their production capacity is 550 metric tons per day and has advanced laboratories too. A plant of such production



capacity in North India is a rarity. He told about advantages of fish feed as the water remains clean, fishes don't get disease and many other hidden benefits which mostly remain unnoticed.

SHRI RAVI CHAPA (UNIBAIT)

He told about IPAT – Intensive Pond Aquaculture Technology. This is a new technology for farmers who are doing culture of fish. He asked the farmers to adapt and update technology. China is the world's number 1 producer in fish feed production and India is on the second number. China's production is 440 Lac ton in comparison to India's 49 Lac ton production, which concludes that China produces 10 times more than us. This huge difference in production is only because China and its farmers adapted new technologies. China has more than thousand cells of IPAT. The first Indian IPAT pond in UP was started by Unibait. Cells are enclosed water spaces in IPAT and there will be appliances to push water. With the technology of IPAT one can produce 180 tons in 1 hectare in the span of one year. Goodness of four ecosystems all in one is IPAT – cage culture, raceway culture and pond culture.





SHRI INDRAMANI (AQUAWORLD)

He told about ornamental fishes business. He has been running the aquarium of Lucknow zoo since last 12 years and has also built the Ganga Aquarium in National Bureau of Fish Genetic Resources campus. He asked the farmers to make 4-5 small pits of soil near the area where they are doing fish farming and put some species of ornamental fishes in them which reproduce on their own. With one such pond you can earn 500-1000 rupees per week. And if you are making such 4-5 ponds then your income will increase much more. Ornamental fishes get sourced from West Bengal and Tamil Nadu. Approximately Lucknow has 50 retailers and more than 450 outlets. And there is a huge difference between demand and supply of ornamental fishes so there is a deficit of ornamental fishes.





Dr. K D JOSHI (PRINCIPAL SCIENTIST- ICAR NBFGR)

He told about the options in fisheries entrepreneurship- fishing, fish culture, extensive fish farming and advanced level in fish farming. He further told about Fishery based eco-tourism case study which has many opportunities. Post-harvest and value addition are overlooked areas in our state. Value added products like achar, sauces and Fishkure similar to Kurkure are produced. Fishkure is produced in Cochin in CIFT institute. He told about the fish diversity of India – 1016 species of fresh water, 113 of Brackish water, 1906 of Marine water and 500 exotic species are there. A total of 3535 species is there. A rarity near threatened species goonchh Bagariusbagarius was caught from river Ramganga at Masi, Almora, UK on 25 July, 2017. The fish could not be weighed as the villagers ate it. Based on people's description and the video we think it will be around 125 kg. Flags existence of pristine habitats and protected areas in the era of massive anthropogenic stressors poses serious challenge to protect the depleting germplasms.





SHRI HARSH AGRAWAL (DAS & KUMAR))

He told about his company which deals in fisheries equipment's e. g. net, over tide fish breeding hormone, aerators. He told about a new product used in modern aquaculture Fish Cages which can be a golden opportunity for employment of our farmers. Das & Kumar got established in 1945 after which they came in fishing nets and are in fisheries for 25-30 years. They have an FRP terrace for ornamental fishes, fiberglass fish hatcheries for breeding. They also set up small feed plants for farmers and can also setup big plants based on turnover as per requirement. The company is a leading manufacturer of GI and modern FRP based cages, which can withstand hard environment in reservoirs. The firm has contributed in a big way through the supply of indigenous manufactured cages to various state fisheries departments.



SHRI ALEEM BAIG

He told about his software tool MKrishi which is just like WhatsApp and Facebook. MKrishi is a mobile app for farmers. The database of this app is located in TCS Mumbai. Certified agencies have been linked with this app. Exporters and input supply can also be linked with the system. In Andhra everything is noted down in books, so we have digitalized that due to which we are able to analyze the problems over a span of 5 to 10 years. Options like 'weather', 'pond creation' and 'ask a query' can be asked to an expert in the app.





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हर कदम आपके साथ



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List of Participants

S.No.	. Name	Designation	S.No.	. Name	Designation
1	Manisha Anand Kumar	Fisheries Farmers	57	Shravan Kumar Singh	Fisheries Farmers
2	Anand Kumar	Fisheries Farmers	58	Sanjay Kumar Singh	Fisheries Farmers
3	Janardan Nishad	Fisheries Farmers	59	Madan Lal	Fisheries Farmers
4	Ashok Katiyar	Fisheries Farmers	60	Jaydev	Fisheries Farmers
5	Dharamvir Bharti	Fisheries Farmers	61	Sapna Gupta	Fisheries Farmers
	V K Helwant	Fisheries Farmers	62	Hemraj	Fisheries Farmers
7	Himanshu Verma	Fisheries Farmers	63	Afaq Khan	Fisheries Farmers
8	Rajendra Verma	Fisheries Farmers	64	Jawahar Lal	Fisheries Farmers
9	Lalesh Kumar Kotarp	Fisheries Farmers	65	Shivshankar	Fisheries Farmers
10	S K Shukla	Fisheries Farmers	66		
	Virendra Kumar	Fisheries Farmers		Lovelesh Kotarya	Fisheries Farmers
			67 68	Radheshyam	Fisheries Farmers
	Virendra Singh	Fisheries Farmers	68	Harshpal	Fisheries Farmers
13	Mohmd. Latora	Fisheries Farmers	69	Ramshankar	Fisheries Farmers
14	Ram Pher	Fisheries Farmers	70	Ramtilak	Fisheries Farmers
15	Dr. S R Taigor	Fisheries Farmers	71	Lakshmi Narayan	Fisheries Farmers
16	Babu Ram	Fisheries Farmers	72	Ambika Prasad	Fisheries Farmers
17	Mohd. Wasi	Fisheries Farmers	73	Sri Ramratan	Fisheries Farmers
18	Anil Kumar	Fisheries Farmers	74	Bhagwan Deen	Fisheries Farmers
19	Vinay	Fisheries Farmers	75	Ajay Kumar	Fisheries Farmers
20	Parashuram	Fisheries Farmers	76	Sukhlal	Fisheries Farmers
21	G C Yadav	Fisheries Farmers	77	Mahendra Pratap Singh	Fisheries Farmers
22	Harpal Singh	Fisheries Farmers	78	Deepak Chug	Fisheries Farmers
23	Shravan Kumar Singh	Fisheries Farmers	79	Arvind Kumar	Fisheries Farmers
24	Mahavir Singh	Fisheries Farmers	80	Musrat Iqbal	Fisheries Farmers
25	Arvind Kumar	Fisheries Farmers	81	Rakesh Mall	Fisheries Farmers
26	Deepak Kumar	Fisheries Farmers	82	Ashok Singh	Fisheries Farmers
27	Sanjay Kumar Nishad	Fisheries Farmers	83	Rajendra Kumar	Fisheries Farmers
28	Jalaluddin	Fisheries Farmers	84	Shri Vinay	Fisheries Farmers
29	Saurabh Shukla	Fisheries Farmers	85	Shravan Kumar Singh	Fisheries Farmers
30	Surendra Singh	Fisheries Farmers	86	Vikrant Pathak	Fisheries Farmers
31	Caronara Cingn	Fisheries Farmers	87	Vivek Nigam	Fisheries Farmers
32	Saurabh Shukla	Fisheries Farmers	88	Ramkumar	Fisheries Farmers
33	Bhagwan Das	Fisheries Farmers	89	Shri Neelmani	Fisheries Farmers
34	Sultan Nishad	Fisheries Farmers	90	Ambika Prasad Verma	Fisheries Farmers
35	Rampal	Fisheries Farmers	91	Ranvijay Singh	Fisheries Farmers
36	Nanhelal	Fisheries Farmers	92	Panchram	Fisheries Farmers
37	Rajendra Prasad Singh	Fisheries Farmers	93	Ashok Kumar	Fisheries Farmers
38	Deepak Singh	Fisheries Farmers	93 94		
39	Dhirendra Pratap Singh	Fisheries Farmers		Abhishek Chaturvedi	Fisheries Farmers
			95 06	Pramod Kumar Pandey	Fisheries Farmers
40	Ravisen Singh	Fisheries Farmers	96	Rajendra Kumar	Fisheries Farmers
41	Manoj Kumar Gupta	Fisheries Farmers	97	Shailesh Kr. Yadav	Fisheries Farmers
42	Dharamvir Bharti	Fisheries Farmers	98	A K Shukla	Fisheries Farmers
43	Shanti Devi	Fisheries Farmers	99	Ram Awadh	Fisheries Farmers
44	Hemraj	Fisheries Farmers	100	Shivam Kashyap	Fisheries Farmers
45	Vijaynath	Fisheries Farmers	101	Vipin Kumar	Fisheries Farmers
46	Sanjeev Kumar	Fisheries Farmers	102	Rakesh Mall	Fisheries Farmers
47	Mo. Taiyab	Fisheries Farmers	103	Ashok Kumar Singh	Fisheries Farmers
48	Janardan Nishad	Fisheries Farmers	104	Ravi Ganga	Fisheries Farmers
49	Lovelesh Kotarya	Fisheries Farmers	105	Vijay Prakash Shukla	Fisheries Farmers
50	Ram Kumar Gaud	Fisheries Farmers	106	Vansh Raj Verma	Fisheries Farmers
51	Fasahat Ali	Fisheries Farmers	107	Gyanendra Singh	Fisheries Farmers
52	Alok Kumar Gautam	Fisheries Farmers	108	Ajay Singh	Fisheries Farmers
53	Jalaluddin	Fisheries Farmers	109	Sunita Verma	Fisheries Farmers
54	Kaleshwar Dayal	Fisheries Farmers	110	Vijay Verma	Fisheries Farmers
55	Phool Chandra	Fisheries Farmers	111	Vinay	Fisheries Farmers
56	Khwab Ahmed	Fisheries Farmers	112	Narendra Kumar Das	Fisheries Farmers

List of Participants

S.No.	Name	Designation	S.No.	. Name	Designation
113	Hemant Kumar Verma	Fisheries Farmers	169	Mahendra Pratap	Lucknow
114	Vikas Kumar	Fisheries Farmers	170	Abhishek Singh	Lucknow
115	Anil Kumar Gupta	Fisheries Farmers	171	Maaz Ajmal	Azamgarh
116	Shubhan Kashyap	CFRC, Etawah	172	Arshi Nomani	Azamgarh
117	Vikash Karmar	CFRC, Etawah	173	Sultan Nishad	Lakhimpur Kheri
118 119	Aman Kumar	CFRC, Etawah	174 175	Nanhe Lal	Lakhimpur Kheri
120	Upendra Suman Abhishek Verma	CFRC, Etawah CFRC, Etawah	175	Shariq Khan Sanjay Kumar Nishad	Bahraich Faizabad
121		· ·	176	Ashok Kumar Singh	
121	Somesh Lalaram	CFRC, Etawah CFRC, Etawah	177	Rakesh Pratap Mal	Gorakhpur Gorakhpur
123	Dharmesh Kuamr	CFRC, Etawah	179	Rajendra Kumar	Maharaj ganj
124	Abhay Sharma	CFRC, Etawah	180	Mohd Wasi Ansari	Sharawasti
125	Furkan	CFRC, Etawah	181	Vinay	Maharaj ganj
126	Mahendra K. Priydarshi	CFRC, Etawah	182	G.C. Yadav	Shaharanpur
127	Maitrayee Anand	CFRC, Etawah	183	Jalaluddin Khan	Gonda
128	Saurabh Shivhare	CFRC, Etawah	184	Anchal Singh	CFRC, Etawah
129	Puneet Kumar Patel	CFRC, Etawah	185	Suneel Kumar Gupta	CFRC, Etawah
130	Anoop Singh	CFRC, Etawah	186	Kuwar Bahadur Yadav	CFRC, Etawah
131	Satish	CFRC, Etawah	187	Suresh Kr Vishwakarma	CFRC, Etawah
132	Vinod Kumar	CFRC, Etawah	188	Avanish Dixit	CFRC, Etawah
133	Vikas Kumar	CFRC, Etawah	189	Vikas Shahi	CFRC, Etawah
134	Sachin Kumar Bharti	CFRC, Etawah	190	Amrendra Pratap Singh	CFRC, Etawah
135	Deependra Singh	CFRC, Etawah	191	Anuj Singh	CFRC, Etawah
136	Vinay Kumar Yadav	CFRC, Etawah	192	Karmveer Singh	CFRC, Etawah
137	Asheesh Pratap Rawat	CFRC, Etawah	193	Bal Krishana Shukla	CFRC, Etawah
138	Pritha .	CFRC, Etawah	194	Sayan Roy	CFRC, Etawah
139	Sakshi Maurya	CFRC, Etawah	195	Surya Prakash Nishad	CFRC, Etawah
140	Ramendra Singh	CFRC, Etawah	196	Shrikant Yadav	CFRC, Etawah
141	Keshav Kanaujiya	CFRC, Etawah	197	Amit Kumar	CFRC, Etawah
142	Vikash Babu	CFRC, Etawah	198	Santosh Kumar	CFRC, Etawah
143	Aditya Kumar	CFRC, Etawah	199	Shubham Kanaujia	CFRC, Etawah
144	Ashish Kumar Panday	CFRC, Etawah	200	Anshika Pathak	CFRC, Etawah
145	Abhishek Kumar	CFRC, Etawah	201	Shubham Kumar Yadav	CFRC, Etawah
146	Ajeet Singh	CFRC, Etawah	202	Deepak Gupta	CFRC, Etawah
147	Priyanka Verma	CFRC, Etawah	203	Ashish Pal	CFRC, Etawah
148	Arjun Kumar	CFRC, Etawah	204	Vikalp Singh	CFRC, Etawah
149	Satya Veer	CFRC, Etawah	205	Monish Kumar	CFRC, Etawah
150	Abhishek Sharam	CFRC, Etawah	206	Yash Pal Singh	CFRC, Etawah
151	Ayesha Bano	CFRC, Etawah	207	Prince Pandey	CFRC, Etawah
152	Rahul Kumar	CFRC, Etawah	208	Sanee Chauhan	CFRC, Etawah
153	Parul Chaurasia	CFRC, Etawah	209	Mohit Verma	CFRC, Etawah
154	Mohd Salahuddin	CFRC, Etawah	210	Sipendra Kumar Verma	CFRC, Etawah
155	Mohd. Salahuddin	CFRC, Etawah	211 212	Deepnarayan Singh Deerendra Verma	CFRC, Etawah
156 157	Mohd Arif Raushan Kumar Singh	Bhadodi Bihar	212	Pankaj Ror	CFRC, Etawah CFRC, Etawah
158	Ashok Katiyar	Unnao	213	Dhruv Kumar	CFRC, Etawah
159	Rais Ali	Mahoba	215	Pankaj Kumar Gautam	CFRC, Etawah
160	Badar Kamal	Mahoba	216	Anoop Kumar	CFRC, Etawah
161	Smt. Manisha	Pune, Maharestra	217	Hari shankar Patwa	CFRC, Etawah
162	Anand Kumar	Pune, Maharestra	217	Shivam Singh	CFRC, Etawah
163	Ram Kumar Gond	Allahabad	219	Satendra Kumar	CFRC, Etawah
164	C. S. Umaro	Lucknow	220	Mayank Bhusan Singh	CFRC, Etawah
		ness Manager Aqua	221	Durgesh Kumar Verma	CFRC, Etawah
166	Paras Soni	Kanpur	222	Rituraj Singh	CFRC, Etawah
167	Arvind Kumar	Kanpur	223	Pravesh Kumar	CFRC, Etawah
168	Shivendra S. Chauhan	Unnao	224	Babalu Kumar	CFRC, Etawah
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