



CIBA NEWS

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CENTRAL INSTITUTE OF BRACKISHWATER AQUACULTURE, CHENNAI

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HON'BLE UNION MINISTER FOR AGRICULTURE VISITS CIBA, CHENNAI



Dr. G.R.M. Rao, Director, CIBA (extreme left), explaining the R & D programmes on seabass captive broodstock development and seed production to Shri Nitish Kumar, Hon'ble Minister for Agriculture, Govt. of India (second from right).

Shri Nitish Kumar, Hon'ble Minister for Agriculture, Govt. of India, visited Muttukadu field Station of CIBA on 24 July 2000. The Hon'ble Minister was welcomed by Dr.G.R.M. Rao, Director, CIBA. While going round various hatcheries, laboratories and Agricultural Research Information System (ARIS) Cell, the Hon'ble Minister showed keen interest in the ongoing Research and Development programmes in captive broodstock development and seed production of finfish (seabass, groupers and mullets) and shellfish (penaeid shrimps and mud crab), larval and grow-out feed production technology for shellfish and finfish, mapping of bacterial, viral and

parasitic diseases of shellfish and finfish and their control, soil and water quality management studies of different brackishwater aquacultural systems and role of ARIS in the collection and dissemination of information related to brackishwater aquaculture.

While addressing the staff, the Hon'ble Minister emphasized that the scientific and technical personnel of the Institute should strive hard to develop sustainable technologies for increasing the overall fish production of the country and the viable technologies developed should reach the fish farmers of our country for enhancing their fish production levels, thereby improving their socio-economic status.

Edited by: Shri M. KATHIRVEL,
Shri S. SRINIVASAGAM
&
Dr. (Smt.) MUNAWAR SULTANA,
Senior Scientists

Published by: Dr. G.R.M. RAO,
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Dr. A.R. Thirunavukkarasu, Senior Scientist (fourth from left), explaining the captive broodstock development programme on seabass (*Lates calcarifer*) to Mr. Alexis Fostier, scientist, from National Institute of Agronomical Research, France (second from left). Dr. M. Kumaran, Scientist (third from right) and Shri A. Panigrahi, Scientist (second from right) look on

RESEARCH HIGHLIGHTS

FORMULATION OF NURSERY FEED FOR SEABASS (*LATES CALCARIFER*)

Seabass *Lates calcarifer* is one of the commercially important fish species for brackishwater aquaculture. Though it is extensively farmed in south-east Asian countries, farming of seabass is yet to be taken up on a commercial scale in India. One of the major limitations for large-scale culture of seabass in this country is the non-availability of suitable artificial feeds for nursery and grow-out culture. Currently, the CIBA has taken up R & D programmes to develop suitable artificial diets for fry and fingerlings of seabass to replace the costly conventional feeds. Two types of artificial feed were prepared to study the growth and survival of seabass fry in the nursery phase.

Feeding trials indicated that among the two artificial feeds, the feed which contained 45 % animal protein gave good results in terms of growth, though the survival rate was low. Further, it was shown that the plant proteins may be effectively incorporated in the artificial diets.

This experimental study was carried out by Dr. M. Natarajan, Senior Scientist and Dr. C. Gopal, Scientist (Senior Scale), of the Institute.

VISITORS

- Mr. Alexis Fostier, Scientist, National Institute of Agronomical Research, France, visited Muttukadu Experimental

Station, 12 July 2000.

- Shri M. Mathivanan, Principal, Fisheries Staff Training Institute, Dept. of Fisheries, Govt. of Tamil Nadu, visited Muttukadu Experimental Station, 13 July 2000.
- Shri M.D. Asthana, Principal Adviser (AGRI/DP), Planning Commission, Govt. of India, New Delhi, visited CIBA Headquarters and Muttukadu Experimental Station, 25 July 2000.
- Shri N. Chaturvedi, IAS, Principal Secretary, Fisheries Dept., Govt. of West Bengal, visited Muttukadu Experimental Station, 27 July 2000.
- Dr. K.A. Dangre, Deputy Director of Fisheries, Directorate of Fisheries, Govt. of Maharashtra, visited CIBA Headquarters, 3 August 2000.
- Dr. Debendra Pradhan, Hon'ble Minister of State for Agriculture, Govt. of India, visited Chennai, 4-6 August 2000.
- Dr. S.S. De Silva, Task Force Member, NACA, visited Muttukadu Experimental Station, 31 August 2000.
- Shri N.K. Sinha, Secretary, ICAR and Shri M.R.K. Nair, Commissioner of Fisheries, Ministry of Agriculture, visited Muttukadu Experimental Station, 30 September 2000.

ENGAGEMENTS

Dr. G.R.M. Rao, Director, attended the following Meetings / Workshops / Seminars:

- Meeting with Dr. K. Gopakumar, Deputy Director General (Fy), ICAR, New Delhi, on Quinquennial Review Team's programme, 3 July 2000.

- Meeting on the Introduction of Tilapia in Indian waters, at MPEDA, Vijayawada, 4-5 July 2000.
- Seventeenth Meeting of Aquaculture Authority, at Directorate of Fisheries, Govt. of Tamil Nadu, Chennai, 10 July 2000.
- Visit to Kakdwip Research Centre of CIBA along with Quinquennial Review Team, to inspect the progress of research programmes, 17 August 2000.
- Workshop on Green Belting and Biodevelopment in Koodankulam, at Manonmaniam Sundaranar University, Tirunelveli, 28 August 2000.
- Second Leg of NACA Task Force Meeting on Network Strengthening and Improvement of NACA's Management and Financial Capability, at CIBA Headquarters, Chennai, 31 August 2000.
- Sixth Scientific Advisory Panel Meeting of NATP, at National Research Centre on Oil Palm, Thiruvananthapuram, 14-15 September 2000.
- Fourth meeting of the National Committee to Oversee and Regulate the Introduction of Exotic Aquatic Species in India, at ICAR, New Delhi, 19 September 2000.
- First Indian Fisheries Science Congress, at Chandigarh, 21-23 September 2000.

The scientists attended the following Meetings / Seminars / Workshops:

- Shri S. Srinivasagam and Dr. K.O. Joseph, Senior Scientists and Dr. C.P. Balasubramanian, Scientist (Senior Scale) visited Fish and Shrimp Culture project sites at Banapada and Jagatjore in Orissa under Institutional Consultancy Programme for Environmental Monitoring of Shrimp Culture (World Bank-aided project under Ministry of Agriculture, Govt. of India), 10-14 July 2000.
- Shri M. Kathirvel, Shri R.K. Chakraborti and Dr. B.P. Gupta, Senior Scientists, visited Fish and Shrimp Culture Project sites at Canning and Dadanpatra in West Bengal under Institutional Consultancy Programme for Environmental Monitoring of Shrimp Culture (World Bank-aided project under Ministry of Agriculture, Govt. of India), 31 July - 4 August 2000.
- Dr. B.P. Gupta, Senior Scientist, attended the National Seminar on Fish and Environment, at Lucknow, 10-11 August 2000 and presented a paper in Hindi.
- Dr. Mathew Abraham, Head, Fish Culture Division, visited Kakdwip Research of CIBA, 14-17 August 2000.
- Dr. P. Ravichandran, Senior Scientist



Dr. A.R. Thirunavukkarasu, Senior Scientist (third from left) explaining the seabass (*Lates calcarifer*) captive broodstock development programme to Shri M.D. Asthana, Principal Adviser, Planning Commission, Govt. of India (fourth from left). Dr. G.R.M. Rao, Director, CIBA (second from left) looks on.

and Secretary, QRT, visited Kakdwip Research Centre of CIBA, 17 August 2000.

- Dr. S.A. Ali, Principal Scientist, Dr.B.P. Gupta, Senior Scientist and Shri K. Ponnusamy, Scientist, participated in the First Indian Fisheries Science Congress, at Chandigarh, 21-23 September 2000 and presented papers.
- Dr. T.C. Santiago, Senior Scientist, attended the NATP Meeting (for procurement of equipments) at ICAR, New Delhi, 21-24 September 2000.
- Dr. L.H. Rao, H.O.D., Crustacean Culture Division, Shri S. Srinivasagam, Senior Scientist and Dr. C.P. Balasubramanian, Scientist (Senior Scale), visited Balasore/Puri in Orissa in connection with the development of farm facilities at Balasore, 14-16 September 2000.

MEETINGS

FIRST MEETING OF QRT

- At the first meeting of the Quinquennial Review Team (QRT), comprising Dr. M. Devaraj, Former Director, CMFRI, Cochin, Chairman, Dr. A. Banerjee, Former Head, BAARC, Mumbai, Dr. P. Vedavyasa Rao, Former Principal Scientist, CMFRI, Cochin and Shri V. Venkatesan, Director, MPEDA, Cochin, members and Dr. P. Ravichandran, Senior Scientist and Secretary, QRT, had discussions with Dr. G.R.M. Rao, Director, CIBA, Heads of Divisions and Scientists-in-Charge of Divisions on the progress of work under the Institute's

research programmes during 1995-1999 at CIBA Headquarters, on 25 July 2000. The QRT visited Muttukadu Experimental Station and interacted with scientists, on 26 July 2000.

SECOND MEETING OF QRT

- The Second Meeting of QRT was held at Headquarters, Chennai, on 16 August 2000 under the chairmanship of Dr. M. Devaraj, Former Director, CMFRI. Members of QRT, namely, Dr. A. Banerjee, Former Head, BAARC, Mumbai and Dr. N.R. Menon, Head,

Dept. of Marine Sciences, Cochin University of Science and Technology, Cochin, Dr. G.R.M. Rao, Director and Dr. P. Ravichandran, Senior Scientist and Secretary, QRT, participated in the meeting.

NACA TASK FORCE MEETING

- The second leg of NACA Task Force Meeting on Network Strengthening and Improvement of NACA's Management and Financial Capability was held at CIBA Headquarters, Chennai, on 31 August 2000 under the chairmanship of Dr. K. Gopakumar, Deputy Director General (Fy), ICAR, New Delhi. The NACA Task Force Members, namely, Dr. S.S. De Silva, Dr. Dilipkumar and Dr. M.N. Kutty, and Dr. G.R.M. Rao, Director, CIBA, Dr. B.N. Singh, Assistant Director General (I.Fy), ICAR, New Delhi, Dr. M. Sakthivel, President, Aquaculture Foundation of India, Chennai, Dr. P. Natarajan, Professor & Head, Dept. Aquatic Biology & Fisheries, University of Kerala, Thiruvananthapuram, Dr. N. Sukumar, Professor & Head, School of Environmental Sciences, Manonmaniam Sundaranar University, Tirunelveli, Dr. Y.S. Yadava, Co-ordinator, BOBP, Chennai, Dr. (Smt.) Indirani Karunasagar, Professor, Dept. of Fishery Microbiology, College of Fisheries, Mangalore, Dr. Toms C. Joseph, Scientist, CIFT, Cochin and Shri A. Gopalakrishnan, Scientist, M.S. Swaminathan Research Foundation, Chennai, participated.



At First Indian Fisheries Science Congress, Chandigarh: Dr. G.R.M. Rao, Director, CIBA (left), Dr. K. Gopakumar, Deputy Director General (Fy.), ICAR (middle) and Dr. A.D. Diwan, Assistant Director General (M.Fy.) (right).

PARTICIPATION OF CIBA IN THE FIRST INDIAN FISHERIES SCIENCE CONGRESS EXHIBITION

The Institute participated in the exhibition organized in connection with the First Fisheries Science Congress, at Chandigarh, during 21-23 September 2000.

HUMAN RESOURCE DEVELOPMENT

- Dr. M. Kailasam, Scientist (Senior Scale), was deputed to undergo a 2-month Third Country training programme on Responsible Aquaculture Development, at SEAFDEC, Tigbaun, Iloilo, the Philippines from 5 September 2000.
- Dr. M. Natarajan, Senior Scientist, attended a training programme on Aquaculture Development, at CIFA, Bhubaneswar, 12-22 September 2000.
- S/Shri S. Sivagnanam, T-5, V.K. Charles, T-II-3, J. Joseph Sahayarajan, T-II-3, V.R. Senthilkumar, T-4, A. Manoharan and Smt. Mary Desouza, Junior Clerks, attended a training programme on MS Office at NIIT, Chennai, under the contractual arrangement between ICAR and SIEMENS-HXDORF (NATP-ARIS 2000), 28-30 September 2000.

TRAINING

The Institute has conducted the following training programmes:

- Seabass breeding and seed production during 11-20 July 2000. Two officials from MPEDA and one Associate Professor from College of Fisheries, Panangad, Kerala, participated.
- Shrimp diseases and health management during 2-11 August 2000. 1 official from



The Quinquennial Review Team comprising Dr. M. Devaraj, Former Director, CMFRI and the Chairman (second from left), Shri A. Banerjee, Former Head, BAARC, Mumbai and Member (third from left), Shri V. Venkatesan, Director, MPEDA, Cochin and Member (fourth from left) and Dr. P. Vedavyasa Rao, Former Principal Scientist, CMFRI, Cochin and Member (third from right) with Dr. G.R.M. Rao, Director, CIBA (fourth from right) and other scientists of the Institute during its visit to Muttukadu Experimental Station.

State Fisheries Dept., of West Bengal participated.

- Shrimp Breeding and Hatchery Technology during 11-25 September 2000. Two officials from State Fisheries Dept., of Kerala and One farmer from Machilipatnam Mandel, Andhra Pradesh, participated.

Lectures and demonstrations were arranged for the following at Muttukadu Experimental Station:

- 42 students from CIFE, Calcutta, 29 January 2000.
- 40 Probationary Officers/Agricultural

extension officers of State Bank of India, 3 February 2000.

- 31 M.Sc. (Zoology) students from Ethiraj College for Women, Chennai, 11 February 2000.
- 19 trainees of Fisheries Staff Training Institute, Govt. of Tamil Nadu, Chennai, 19 February 2000.
- 10 students from College of Fisheries Sciences, G.B. Pant University of Agriculture and Technology, Pant Nagar, Uttar Pradesh, 4 April 2000.
- 9 trainees from Fisheries Staff Training Institute, Govt. of Tamil Nadu, 27 May 2000.

STAFF NEWS

Transfers

- Dr. S.M. Pillai, Senior Scientist, Dr. (Smt.) Imelda Joseph, Scientist, S/Shri N. Venugopalan, T-6, M.G. Sivasasan, T-4, M. Gopinathan Nair, T-4, K.K. Surendran, T-II-3, C.S. Sasidharan, T-II-3, K.K. Raman, S.S. Gr. IV, N.K. Shanmugan, S.S. Gr. III, K.U. Gopi, S.S. Gr. II, T.V. Shaji, S.S. Gr. I, M.D. Suresh, S.S. Gr. I, K.K. Kunjuraman, S.S. Gr. I, M.P. Devadasan, S.S. Gr. I and K. Thangappan, S.S. Gr. I of Narakkal Research Centre of CIBA were transferred to Krishi Vigyan Kendra of CMFRI, Narakkal, 4 July 2000.

Relief

- Shri P.K. Manimandram, Administrative Officer, on superannuation, 31 August 2000.
- Shri K.M. Das, S.S. Grade III, on voluntary retirement, 30 September 2000.



The visit of Quinquennial Review Team (QRT) to Kakkdwp Research Centre of CIBA (left to right): Dr. P. Ravichandran, Senior Scientist and Secretary, QRT, Dr. Mathew Abraham, Head, Fish Culture Division, Dr. G.R.M. Rao, Director, CIBA, Shri R.K. Chakraborti, Senior Scientist, Shri A. Banerjee, Member, QRT, Dr. T.K. Ghosal, Scientist, Dr. M. Devaraj, Chairman, QRT, Shri B.K. Banerjee, Rtd. Senior Scientist, CIBA, Shri J.K. Sundaray, Scientist and Shri S.R. Das, Senior Scientist.

