



CIBA NEWS

Volume 6, No.2

APRIL - JUNE 2001

CENTRAL INSTITUTE OF BRACKISHWATER AQUACULTURE, CHENNAI



Laboratory-cum-Administrative Building of CIBA Headquarters at 75, Santhome High Road, Raja Annamalai Puram, Chennai 600 028.



Dr. G.R.M.Rao, Director, CIBA, delivering the welcome address at the inauguration of Laboratory-cum-Administrative Building of CIBA, on 31 May 2001.



Inauguration of the Laboratory-cum-Administrative Building of CIBA Headquarters, on 31 May 2001, by Shri K.P.Rajendra Prasad, Hon'ble Minister for Fisheries and Animal Husbandry, Govt., of Tamil Nadu. From left, Dr.G.R.M. Rao, Director, CIBA, Dr.R.S.Paroda, Secretary, DARE & Director General, ICAR, Dr.K.Gopakumar, Deputy Director General (FY.), ICAR and Justice Shri G.Ramanujam, Chairman, Aquaculture Authority, look on.

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Editorial Committee:

Dr.S.M.Pillai,
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Dr.C.P.Rangaswamy,
Dr.(Mrs.) Munawar Sultana and
Dr.N.Kalaimani,
Principal Scientists

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**Central Institute of Brackishwater
Aquaculture**

75, Santhome High Road, R.A. Puram,
Chennai - 600 028.

INAUGURATION OF LABORATORY CUM ADMINISTRATIVE BUILDING OF CIBA, CHENNAI

The new Laboratory cum Administrative building of CIBA constructed at Raja Annamalai Puram, Chennai, was inaugurated in the presence of Shri K.P.Rajendra Prasad, Hon'ble Minister for Fisheries and Animal Husbandry, Govt. of Tamil Nadu, on 31 May 2001. Dr.R.S.Paroda, Secretary, DARE and Director-General, ICAR, New Delhi, presided over the function. Dr.G.R.M.Rao, Director, CIBA, welcomed the gathering. The inaugural address of Shri Nitish Kumar, Hon'ble Union Minister for Agriculture, was read by Dr.K.Gopakumar, Deputy Director General (Fy.), ICAR. Justice Shri. G.Ramanujam, Chairman, Aquaculture Authority, Shri K.N.Lakshmanan, MLA, Mylapore, Chennai and Shri T.P.H.Menon, Chief Engineer (SZ-I), CPWD, offered felicitations.

RESEARCH HIGHLIGHTS

The CIBA hatchery - produced seed of seabass (*Lates calcarifer*), supplied to Agency for Development of Aquaculture, Kerala (ADAK), were reared in a tide-fed farm at Poyya, Kerala. An average weight

of 1.2 kg was attained by the fishes in 7 months of grow-out culture. The reared fish subsisted mainly on the fish / shrimp which entered the culture pond during high tide. No supplementary feed was given.

VISITORS

- Dr.K.Nilakantha Pillai, Assistant Professor & Head, Rice Research Station (TNAU), Tirur, 4 April 2001.
- Dr.K.Venkatanarasimha Pillai, Joint Director of Fisheries Research, Govt. of Tamil Nadu, 4 April 2001.
- Dr.K.S.Purushan, Associate Professor, Kerala Agricultural University, Pudukkottai, 26 June 2001.
- Dr.D.Kandasami, Principal Scientist, CMFRI, Mandapam, 26 June 2001.
- Dr.D.Satapathy, Reader, College of Fisheries, Orissa University of Agriculture and Technology, Bhubaneswar, 26 June 2001.
- Dr.P.Redekar, Assistant Professor, College of Fisheries, Konkan Krishi Vidyapeeth, Ratnagiri, 26 June 2001.

ENGAGEMENTS

Dr.G.R.M.Rao, Director, delivered a

Radio Talk (in English), on Brackishwater Aquaculture, which was broadcasted on All India Radio, Chennai, (Science programme), on 14 March 2001.

Dr.G.R.M.Rao, Director, attended the following meetings:

- 20th meeting of Aquaculture Authority, at Chennai, 16-17 March 2001.
- 10th Meeting of the Planning Board of Tamil Nadu Veterinary and Animal Sciences University (TANUVAS), at Chennai, 20 March 2001.
- Aquaculture Authority Sub-Committee Meeting, at Chennai, 28 March 2001.
- The Site Committee Meeting of NATP / IVLP, at CIBA, Chennai, 4 April 2001.
- 21st meeting of Aquaculture Authority, at Chennai, 9 April 2001.
- ICAR-ICLARM Meeting on MOU between the two organizations, at NBFGR, Lucknow, 12-13 April 2001.
- Regional Brain Storming Session on "Problems and Issues on Marine Fisheries in Tamil Nadu", at Madras Research Centre of CMFRI, Chennai, 11 May 2001.
- Meeting on Introduction of Exotic Species and Quarantine Arrangements for Fisheries, at CIBA, Chennai, 24 May 2001.
- 57th Meeting of the Project Screening Committee (PSC) and the Scientific Panel on Fisheries, at ICAR, New Delhi, 12-14 June 2001.
- Annual Review Meeting of NATP Project on Shrimp and Fish Broodstock Development and Breeding under Captive conditions, at CIBA, Chennai, 26 June 2001.

The Scientists attended the following Meetings / Workshops:

- Dr.S.M.Pillai, Principal Scientist, attended the Seminar on "Present Status and Future Challenges of Inland Aquaculture in Karnataka in the New Millennium", at University of Agricultural Sciences, Bangalore, 2-3 March 2001.
- Dr.L.H.Rao, Principal Scientist and Head, Crustacean Culture Division,

Dr.P.Ravichandran, Shri M.Kathirvel, Dr.S.A.Ali and Dr.N.Kalaimani, Principal Scientists, Shri. K.Ponnusamy, Scientist and Member-Secretary of SITE Committee, participated in the Site Committee Meeting of NATP / IVLP Project, at Chennai, 4 April 2001.

- Shri. K.Ponnusamy, Scientist, attended NATP/IVLP Review Workshop, at Central Research Institute for Jute and Allied Fibres, Barrackpore, 24-26 May 2001.
- Dr.L.H.Rao, Principal Scientist and Head, Crustacean Culture Division, Dr.P.Ravichandran, Dr.S.M.Pillai, Dr. A. R. Thirunavukkarasu, Dr.M.Natarajan, Principal Scientists, Dr.K.K.Vijayan, Dr.C.Gopal, Senior Scientists, and Dr.M.Kailasam, Scientist (Senior Scale), attended the Annual Review Meeting of NATP on Shrimp and Fish Broodstock Development and Breeding under Captive conditions, at CIBA, Chennai, 26 June 2001.
- Dr.M.Krishnan, Senior Scientist and Dr.T.Ravisankar, Scientist (Senior Scale), attended National Workshop on Fisheries Economics Research and Education, at CIFE, Mumbai, 28-29 June 2001.
- Dr. (Mrs.) Ch. Sarada, Mrs. P.Mahalakshmi and Mrs.B.Shanthi, Scientists, visited the Bio-village Biocentre at Pilliyarkuppam and Bio-information Centre at Veerapatnam, Pondicherry, under the M.S.Swaminathan Research Foundation (Chennai), 25 June 2001.

MEETINGS

- The Site Committee Meeting under the World Bank - aided NATP / IVLP project entitled "Institute Village



Site Committee Meeting under NATP/IVLP project at CIBA Headquarters, Chennai, on 4 April 2001 under the Chairmanship of Dr. G.R.M.Rao, Director, CIBA.

Linkage Programme for Technology Assessment and Refinement in Coastal agro-ecosystem of Tiruvallur district of Tamil Nadu", was held at CIBA, Chennai, on 4 April 2001, under the Chairmanship of Dr.G.R.M.Rao, Director, CIBA. Dr.K.Nilakantha Pillai, Asst. Professor & Head, Rice Research Station, Tirur; Shri K.Venkatanarasimha Pillai, Joint Director of Fisheries (Research), Govt. of TamilNadu and Mrs.M.S. Swathilakshmi, Scientist, Madras Research Centre of CMFRI, Chennai, attended the Meeting along with CIBA Scientists.

- Annual Staff Research Council Meeting of CIBA was held at Muttukadu Experimental Station, on 15 May 2001. Dr.A.D.Diwan, Assistant Director General (M.Fy), ICAR, New Delhi, attended the meeting
- 21st Meeting of the Institute Management Committee was held at CIBA, Chennai, on 28 June 2001.
- The Annual Review Meeting of the NATP on "Shrimp and fish broodstock development and breeding under captive conditions", was held at CIBA Headquarters, Chennai, on 26 June 2001. Dr.G.R.M.Rao, Director, CIBA, presided over the meeting and Co-operating centres Co-Principal Investigators viz., Dr.K.S.Purushan, Associate Professor, Kerala Agricultural University, Pudukkottai, Dr.D.Kandasami, Principal Scientist, CMFRI, Mandapam, Dr.D.Satapathy, Reader, College of Fisheries, Orissa University of Agriculture and Technology, Bhubaneswar and Dr.P.Redekar, Assistant Professor, College of Fisheries, Konkan Krishi Vidyapeeth, Ratnagiri, attended the meeting alongwith CIBA Scientists.

HUMAN RESOURCE DEVELOPMENT

- Dr.C.P.Rangaswamy, Principal Scientist and Dr.K.O.Joseph, Senior Scientist, participated in the course on Agricultural Research Project Management, at NAARM, Hyderabad, 14-24 November 2000.
- Dr.M.Kumaran, Scientist, attended the training course on "Project Management for Research and

Development", at Division of Agricultural Extension, IARI, New Delhi, 22 March to 11 April 2001.

- Dr. I.S. Azad, Senior Scientist, Dr. T. Ravisankar, Shri K. Ponnusamy, and Dr. K. Ambasanakar, Scientists, attended the training course on Participatory Learning and Management organised by the State Institute for Rural Development, at Maraimalainagar, near Chennai, 7-12 May 2001.
- Dr. (Mrs.) M. Poornima, Scientist, attended a refresher course on Biotechnology, at Sri Venkateswara University, Tirupathi, 4-23 June 2001.
- Mrs. P. Nila Rekha, Scientist, attended the Training Programme on Application of Remote Sensing, GIS and GPS for Urban and Regional Planning, conducted by the Institute of Remote Sensing, Anna University, Chennai, 14 May to 22 June 2001.

TRAINING

- A training programme on Computer Applications for Fisheries Management and Research was organized by CIBA, at Muttukadu Experimental Station, during 17-28



Field level training to shrimp farmers on shrimp pond preparation under NATP / IVLP Programme at Kattur village on 16 March 2001. Shri K. Ponnusamy, Scientist and Project Leader explaining to the shrimp farmers. Dr. C. Gopal and Dr. I.S. Azad, Senior Scientists, look on.

- April 2001, for four participants (two officials, one each from Rajiv Gandhi Centre for Aquaculture, MPEDA and State Dept. of Fisheries, Govt. of Pondicherry and two technical personnel from CIBA).
- A training programme on Crab breeding and culture was organized by CIBA at Muttukadu Experimental Station, during 18-23 June 2001. Two officials from MPEDA participated.
- The following field-level training / orientation programmes were conducted by CIBA, under the NATP / IVLP project.

- 30 paddy farmers, on increasing rice productivity through scientific rice production technology, at Rice Research Station, TNAU, Tirur, Tiruvallur district, 1 March 2001.
- 20 farmers, on parasitic control methods in farm animals, at Kattur village near Chennai, 3 March 2001.
- 20 farmers, in balanced feeding for farm animals, at Kattur village, 5 March 2001
- 10 shrimp farmers, on pond preparation, pond fertilization and shrimp seed selection, at Kattur village, 16 March 2001
- 10 shrimp farmers, on soil and water quality management, at Kattur village, 17 March 2001

Lectures / demonstrations were arranged for the following at CIBA Headquarters, Chennai / Muttukadu Experimental Station:

- 20 students (B.Sc. Environmental Zoology), from Dept. of Environmental Zoology, National College, Tiruchirapalli, on 15 February 2001.
- 25 students (M.Sc. Zoology), from Theyagaraja College, Chennai, 28 February 2001.
- A batch of students (M.Sc., Special Zoology), Dept. of Zoology, University of Madras, Chennai, on 2 March 2001.
- 38 Trainees (Freshwater fish culture and breeding), from M.S. Swaminathan Research Foundation, Chennai, 7 March 2001.
- 15 trainees, from Staff Training Institute, Dept. of Fisheries, Govt. of Tamil Nadu, on 9 March 2001.
- 34 students (B.F.Sc.), from Fisheries College, Kerala Agricultural University, Panangad, 15 March 2001.
- 8 Trainees, from Staff Training Institute, Department of Fisheries, Govt. of Tamil Nadu, 18 May 2001.
- 25 students, from the Faculty of Fisheries Science, West Bengal

University of Animal and Fisheries Sciences (WBUAFS), Nadia, West Bengal, 30 June 2001.

STAFF NEWS

Relief

- Dr. L.H. Rao, Principal Scientist and Head, Crustacean Culture Division, on Superannuation, 30 June 2001.
- Shri S. Srinivasagam, Principal Scientist, on Superannuation, 30 June 2001.
- Shri Ashok Kumar, T-II-3, to join CIFE, Rohtak Centre, Lahli Anwal, Haryana, 30 April 2001.

Inter-Institutional Transfer

- Dr. S.M. Pillai, Principal Scientist, transferred from Krishi Vigyan Kendra of CMFRI, Narakkal, to CIBA Headquarters, Chennai, 12 February 2001.
- Dr. (Mrs.) B. Santhi, Scientist, from CTCRI, Trivandrum, to CIBA Headquarters, Chennai, 22 May 2001.
- Shri M. Gopinathan Nair, Motor Driver (T-4), from KVK, CMFRI, Narakkal, to CIBA Headquarters, Chennai, 31 May 2001.

Appointment

- Dr. V.S. Chandrasekharan appointed as Senior Scientist (Agricultural Extension), at CIBA Headquarters, Chennai, 7 April 2001.

Ph.D. Degree Award

Dr. N. Kalaimani, Principal Scientist was awarded the Ph.D. Degree in Biochemistry, by the University of Madras, on 16 April 2001, for his thesis entitled "Aflatoxin induced oxidant stress in Tilapia (*Oreochromis mossambicus*) controlled by Amrita Bindu supplementation in the diet".



Dr. N. Kalaimani, Principal Scientist, awarded Ph.D. degree in Biochemistry by University of Madras on 16 April 2001.

केन्द्रीय खारापानी जलजन्तु पालन संस्थान

केखाजपासं. के प्रयोगशाला-सह-प्रशासनिक भवन का उद्घाटन

माननीय श्री के.पी. राजेन्द्र प्रसाद जी, मत्स्य एवं पशु-पालन मंत्री तमिलनाडु सरकार की उपस्थिति में 31 मई, 2001 को आर. ए. पुरम्, चेन्नई में निर्मित केखाजपासं. के प्रयोगशाला-सह-प्रशासनिक भवन का उद्घाटन किया गया। कार्यक्रम की अध्यक्षता श्री आर. एस. परोदा, सचिव, डेयर एवं महानिदेशक, भाकृअनुप. ने की। डा. जी.आर.एम. राव, निदेशक, केखाजपासं., चेन्नई ने आगन्तुकों का स्वागत किया। माननीय केन्द्रीय कृषि मंत्री श्री नितिश कुमार जी की अनुपस्थिति में उनका उद्घाटन भाषण डा. के. गोपकुमार, उप महानिदेशक (मात्स्यिकी) भाकृअनुप ने पढ़ा। इस अवसर पर न्यायाधीश श्री जी. रामानुजम्, अध्यक्ष, जलकृषि प्राधिकरण, चेन्नई, श्री के. लक्ष्मणन्, विधायक मैलापूर, चेन्नई तथा श्री टी. पी. एच. मेनन, मुख्य अभियंता (एस.जेड-1) केन्द्रीय लोक निर्माण विभाग ने बधाइयाँ दी।

शोध विशिष्टताएँ

केखाजपासं. के मत्स्यशाला में उत्पादित सीबास (लेट्स कालकेरिफर) के बीज जलकृषि विकास अभिकरण केरल को दिए गए। पोय्या, केरल के ज्वार-भाटा क्षेत्र में इनका पालन किया गया। सात महिनों के पालन के पश्चात् मछलियों का औसतन वजन 1.2 कि.ग्रा. पाया गया। उच्च ज्वार-भाटा के दौरान पालित मछलियों का जीवन निर्वाह मुख्यतः तालाबों में पालन के लिए रखे गए मछली/झींगों पर आधारित था। उन्हें कोई अतिरिक्त आहार नहीं दिया गया।

आकाशवाणी प्रसारण

खारापानी जलजन्तु पालन विषय पर डा. जी.आर.एम. राव, निदेशक द्वारा अंग्रेजी में वार्ता का अखिल भारतीय आकाशवाणी

चेन्नई द्वारा विज्ञान कार्यक्रम के अंतर्गत 14 मार्च, 2001 को प्रसारण किया गया।

बैठकें

(i) विश्व बैंक से सहायता प्राप्त एन.ए.टी.पी./आई.वी.एल.पी. परियोजना के अधीन साइट कमेटी की बैठक 4 अप्रैल, 2001 को केखाजपासं. चेन्नई में हुई।

(ii) केखाजपासं. के कर्मचारी अनुसंधान परिषद् की बैठक 15 मई, 2001 को मुत्तुकाडु प्रायोगिक केन्द्र में हुई।

(iii) संस्थान प्रबन्धन समिति की 21वीं बैठक 28 जून, 2001 को केखाजपासं. चेन्नई में हुई।

(iv) राष्ट्रीय कृषि परियोजना की वार्षिक सर्वेक्षण बैठक 26 जून, 2001 को केखाजपासं. चेन्नई में हुई।

प्रशिक्षण

* केखाजपासं. द्वारा मुत्तुकाडु प्रायोगिक केन्द्र पर 17-28 अप्रैल, 2001 को मात्स्यिकी प्रबन्धन एवं अनुसंधान के लिए कम्प्यूटर के उपयोग पर प्रशिक्षण कार्यक्रम आयोजित किया गया।

* मुत्तुकाडु प्रायोगिक केन्द्र पर 18-23 जून, 2001 को केकडा प्रजनन तथा पालन पर प्रशिक्षण कार्यक्रम आयोजित किया गया।

* केखाजपासं. के द्वारा एन.ए.टी.पी./आई.वी.एल.पी. परियोजना के अन्तर्गत तमिलनाडु के तिरुवल्लूर जिले की तकनीकी निर्धारण एवं तटीय कृषि पारिस्थितिक प्रणाली के परिशोधनार्थ कृषि क्षेत्र प्रशिक्षण/अनुकूलन (ओरियन्टेशन) कार्यक्रम आयोजित किए गए।

* केखाजपासं. मुख्यालय, चेन्नई व मुत्तुकाडु प्रायोगिक केन्द्र पर व्याख्यान तथा प्रदर्शन आयोजित किए गए।

स्टाफ समाचार

* डा. एल.एच. राव, प्रधान वैज्ञानिक, तथा अध्यक्ष क्रस्टेशियन संवर्धन विभाग, 30 जून, 2001 को सेवा-निवृत्त हुए।

* श्री एस. श्रीनिवासगम्, प्रधान वैज्ञानिक, 30 जून, 2001 को सेवा-निवृत्त हुए।

* श्री अशोक कुमार, टी-11-3 को के.म.शि.सं., रोहतक केन्द्र लाहली अन्वल, हरियाणा में कार्यभार ग्रहण करने के लिए 30 अप्रैल, 2001 को भारमुक्त किया गया।

अन्तर संस्थागत स्थानांतरण

* डा. एस.एम. पिल्लै, वरिष्ठ वैज्ञानिक का 12 फ़रवरी, 2001 को केसमाअनुसं. के कृषि विज्ञान केन्द्र, नारक्कल से केखाजपासं. मुख्यालय चेन्नई में स्थानान्तरण हुआ।

* डा. बी. शान्ति, वैज्ञानिक का 22 मई, 2001 को सी.टी.सी.आर.आई. त्रिवेन्द्रम से केखाजपासं. मुख्यालय चेन्नई में स्थानान्तरण हुआ।

* श्री एम. गोपीनाथन् नायर, मोटर ड्राइवर (टी-4) का 21 मई, 2001 को केसमाअनुसं. के कृषि विज्ञान केन्द्र, नारक्कल से केखाजपासं. मुख्यालय चेन्नई में स्थानान्तरण हुआ।

नियुक्ति

* डा. वी.एस. चन्द्रशेखरन् की 7 अप्रैल, 2001 को केखाजपासं. मुख्यालय चेन्नई में वरिष्ठ वैज्ञानिक (कृषि विस्तार) के रूप में नियुक्ति की गई।

पीएच.डी. उपाधि

* डा. एस. कलैमणि, प्रधान वैज्ञानिक को जीवरसायन में मद्रास विश्वविद्यालय द्वारा 16 अप्रैल, 2001 को पीएच.डी. उपाधि प्रधान की गई।