



NRCCWF

NEWS

National Research Centre on Coldwater Fisheries
Bhimtal - 263136 (District Nainital): Uttarakhand

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FROM DIRECTOR'S DESK

Dear Reader,

*In the coldwater sector, most of the hill states are at different levels of fishery development. On one hand are the States like Jammu & Kashmir and Himachal Pradesh who during the last two decades have made significant progress in capture fisheries with a focus on sport fishery, aquaculture especially of trout, fishermen welfare and support services to the sector. In spite of these efforts the production is still very low as compared to all India average. On the other hand, is the newly created State of Uttarakhand where till two years back hill fishery did not receive adequate attention, resulting in lack of desired support both in terms of manpower and infrastructure. In comparison we have the remote region of Northeast, where adequate potential for coldwater fishery exists but its development is at very low level. The primary reason for this situation in the country has been lack of support at planning level and thinking of the authorities that hill fishery is mainly a game/sport activity. It is now being realized and demonstrated that coldwater fishery can contribute to food and nutrition security in remote regions of our hills. Therefore, in the planning process the fishery in hills needs to be given due importance by providing financial, infrastructure and modern institutional back-up facilities. In hills, the fishery development through aquaculture, sport and conservation should be promoted and supported in order to introduce crop-fish diversification in hills, so that natural resource management becomes economically sustainable activity. This will result in profitable utilization of small resource base available in hills for different farming activities. To implement these development initiatives in hills, some policy issues, which are indicated here need to be addressed. The most important ones are **Ownership of resources**: practically all the water resources suitable for hill fishery in the states are owned by the forest/irrigation department. For implementation of fishery development programme there is a need to place these resources under the management of nodal/fishery department. **Infrastructure development** construction/renovation of existing fish farms and hatcheries on a priority to promote aquaculture activities, in this regard funds to be made available. Sustainable policy for **Lake fisheries** should be a balanced strategy both for tourism and fishery development while for **Hill stream fisheries** the conservation should involve other users of the resource. **Sport fishery** be developed in linkage with tourism department, by creating angling facilities and ranching schedule for mahseer and trout in streams. **Conservation of native and exotics** in natural ecosystems need enforcement by protective legislation and adopting aquaculture practices on a large scale.*

K.K. Vass

NEWS FROM RESEARCH FRONT

Rainbow trout in Kumaon

In the Kumaon region of Uttaranchal State, in the year 1910 about 10,000 trout ova from Kashmir were introduced in the Bhowali hatchery, near Nainital. Further, in the year 1912 trout fingerlings were stocked in the Nainital, Naukuchiatal, Sattal, Malwatal and other lakes of Kumaon. But trout did not prove a success in Kumaon due to comparatively high summer temperatures. In the Tehri region of Uttaranchal on the other hand, the trout culture commenced with the transplantation of eyed-eggs from Kashmir to Talwari and Kaldhyani farms. However, in the recent past with the efforts of NRCCWF success has been achieved in raising the adult stock of rainbow trout, *Oncorhynchus mykiss* at Chirapani fish farm in the Champawat district of Kumaon region. Further, during recent months success has also been achieved by NRCCWF in breeding rainbow trout at Chirapani fish farm. Hatching of eyed-ova of rainbow trout and then rearing juveniles at a lower altitude of 1340 m above msl at Bhimtal, which comparatively has higher range of temperature in comparison to Champawat, has also been carried out.

a) Breeding at Champawat:

Rainbow trout generally spawns during the winter season during February and March. At NRCCWF's trout farm in Champawat the farm reared brood stock was successfully bred by stripping on 1st February 2002 and 10,000 hatchlings were produced.



A mature specimen of rainbow trout

b) Nursery rearing at Bhimtal:

For the first time eyed-ova of rainbow trout obtained from Himachal Pradesh were incubated under the warmer temperatures (7.0-20.0°C) of Bhimtal. Successful hatching



A female rainbow trout ready for stripping



Fertilized eggs of rainbow trout

was recorded and fingerlings have grown to more than 6.5g in average weight with a size of above 90mm within a period of about 50 days & recording a survival of 98.0%. The fish were fed mainly with artificial diet. It opens up a possibility for trout rearing at marginally higher temperature.

VISITORS

Union Minister visits NRCCWF

Shri Hukumdeo Narayan Yadav Ji, Hon'ble Minister of State for Agriculture, Government of India and Vice-President of Indian Council of Agricultural Research paid a visit to this Institute on 18th June 2002. The Hon'ble Minister was accorded befitting welcome by the Director and other staff members of NRCCWF. Dr. Vass the Director, briefed him



Shri Hukumdeo Narayan Yadav, Minister of State for Agriculture, Government of India, with the scientists and staff of the Institute



Shri Hukumdeo Narayan Yadav, Hon'ble Minister of State for Agriculture, Government of India, visits construction site of NRCCWF complex at Bhimtal

about various research and extension activities being carried out by the Institute to promote fishery in the hill regions. After a formal introduction with the Scientists and staff of the Institute the Hon'ble Minister addressed the members of staff. He appreciated the efforts of the Institute in bringing the coldwater fisheries at the National scenario by undertaking valuable research in the field of aquaculture and open water fisheries in coldwater sector, he however, advised the scientists to develop simple technologies for the benefit of poor farmers and fisher-

Forest and Environment Minister of Uttaranchal

Shri. Nav Prabhat Ji, Hon'ble State Minister of Forest and Environment, Government of Uttaranchal paid a visit to NRCCWF's experimental farm at Champawat on June 19, 2002. He was briefed about fisheries activities in the region by the Scientist-in-charge of the centre Dr.K.D.Joshi. The Minister appreciated the efforts of NRCCWF in developing hill fishery particularly in uplands of Kumaon division.

Chief Election Commissioner of India visits NRCCWF Champawat

Shri J.M.Lingdoh paid a visit to NRCCWF's experimental fish farm at Chirapani on March 18, 2002. He was explained the activities of the centre and shown the netting demonstration of rainbow trout and snow-trout by the scientist-in-charge, Dr.K.D.Joshi. Shri Lingdoh appreciated the efforts of NRCCWF in promoting aquaculture in the hill regions.

Other Visitors

Shri. Tarkendra Vaisnava, IAS, District Magistrate and Shri. Hemesh Kharkwal, MLA, Champawat visited Chirapani Fish Farm of the Institute on 20th June 2002 and were explained about various activities being undertaken at the farm. It was the second visit of D.M. His previous one was on January 9, 2002. On this occasion he was accompanied by ASDM, Shri Kumar Vineet.

Dr. Narendra Kumar, Director, Defence Agricultural Research Laboratory, Pithoragarh visited the NRCCWF centre and Chirapani farm at Champawat on February 5, 2002. He evinced keen interest in the activities of the centre.

Final Year students of B.F.Sc. from Fisheries College, GB Pant University, under the guidance of Dr. Amita Saxena, Associate Professor visited the Champawat centre and farm



Shri. Hukumdeo Narayan Yadav, Hon'ble Minister of State for Agriculture, Government of India, visits TOT fish pond at Ghorakhal

men. The Hon'ble Minister also visited the Institute's Mahseer Seed Production Unit and the new building complex under construction at Bhimtal. Shri Yadav was also shown the netting demonstration at the institute's TOT site at Ghorakhal Sanik School, where Cdr. Banga, the Principal of the school highlighted the close linkage between NRCCWF and Sanik School to promote fish culture in this region.

on March 1, 2002. They were given lectures on various aspects of coldwater fisheries.

Cadets from Rashtriya Indian Military College, Dehradun under the leadership of Cdr. A.B. Bhattachary and Shri Prashant Sharma along with other four staff members of the college visited Chirapani fish farm on March 27, 2002. They were informed about the possibilities of fish culture in high altitudes and its implication to defence forces.

About 650 NCC cadets (including girls) from Almora Area, camping at Champawat, under the leadership of Lt. Col. Amitabh Negi visited the Chirapani farm between June 11 to 16, 2002. They appraised themselves about various aspects of fisheries including the life cycle process in mahseer and rainbow trout.

EXTENSION/TECHNOLOGY TRANSFERRED

Training by various resource persons from NRCCWF was imparted to Uttaranchal State Fisheries personnel on different methodologies for collection of Fisheries survey data for its computerization on 28th February 2002 at Bhimtal. This interactive programme was attended by large number of field officers from the State. The computerized database formats developed by NRCCWF were suitably modified as a result of this interaction. The Jt. Director of State Fisheries Shri Chaniyal also participated in this programme.

Dr. K.D. Joshi, Scientist and Officer Incharge, NRCCWF Champawat Centre gave a lecture on “Parvatiya kshetron mein matysa palan kaise karayan” before a gathering of development and extension officials and farmers at Panchayat Bhavan, Champawat in a meeting chaired by Shri Tarkendra Vaishnava, District Magistrate, Champawat on 6th May 2002.

Institute's activities were displayed through charts and poster at “Samaj Kalyan Mela” organised by District Administration of Champawat at Block Office at Lohaghat on 25th June 2002.

MEETINGS

Staff Research Council

Annual Staff Research Council meeting of the institute was held on 18th May 2002 at Bhimtal under the Chairmanship of Dr. B.N. Singh, Officiating DDG (Fy.), ICAR (HQ). In the meeting the progress of each on-going research project during the year 2001-2002 was critically discussed and evaluated. The work programme for the year 2002-2003 was finalised.



Dr. B.N. Singh, Officiating DDG (Fisheries) presiding over the SRC meeting of the Institute

Vision-2020 Review Meeting

The Vision 2020 document was reviewed, discussed and evaluated by a high level team comprising Dr. S.N. Dwivedi, Chairman RAC and Dr. S.A.H. Abidi, Member, ASRB on 4-5th February 2002 at NRCCWF Bhimtal. The execution and implementation of VISION document of the institute was critically evaluated by the team after the Director, Dr. Vass made a detailed presentation before the team. The team, however, made certain suggestions to be incorporated in the revised document as and when that is prepared. The two member team witnessed the fish haul at the NRCCWF's TOT pond at Gorakhal. They also paid a visit to Experimental fish farm at Chirapani, Champawat. The team was appraised and demonstrated about the work on rainbow trout, snow-trout and other fishes being executed at the farm. The team also had a meeting with the D.M. Champawat who desired that activities of NRC centre in the region be strengthened. Another review of VISION was taken at SMD level by the D.G. ICAR, Dr. Panjab Singh at KAB-II, where the Director gave a presentation.



Dr. S.N. Dwivedi, Chairman RAC, Dr. S.A.H. Abidi, Member, ASRB and Dr. K.K. Vass, Director, NRCCWF on the occasion of evaluation of VISION -2020 document.



Dr. K.K. Vass, Director, NRCCWF showing the model of the Institute complex to Dr. S.A.H. Abidi, Member, ASRB



VISION-2020 evaluating team observing the fish haul at NRCCWF, fish farm Champawat

Joint Staff Council

The Institute's Joint Staff Council's meetings were held on 2nd January 2002 and 17th April 2002 under the Chairmanship of the Director and was attended by all the members from official and staff side. In the meeting action taken on previous agenda items were reviewed and various new agenda items regarding welfare of the staff were discussed.

Rajbhasha Committee

The regular quarterly meeting of the Hindi cell of the Institute was held on 18th March 2002 and 25th June 2002 under the Chairmanship of the Director. In the meetings it was decided to celebrate the current year as *Hindi chetana varsh* in order to bring awareness among the staff members about our national language.

Dr. K.D. Joshi, Scientist and Officer In-charge, NRCCWF Champawat Centre attended a meeting chaired by Shri. Mantri Prasad Naithani, Hon'ble Minister of Fisheries, Government of Uttaranchal at Champawat on 19th May 2002. He briefed the Minister about our research and extension activities in Champawat district of Uttaranchal.

Fishery Policy Committee

The Govt. of Uttaranchal constituted a committee on 05 May 2002 for developing a draft fishery policy for adoption by the State. The committee by an official order comprised following:

Dr. KK. Vass, Director, NRCCWF, Bhimtal and Chairman Shri A.S. Negi, Chief Conservator of Forest, Uttaranchal, Member

Dr. U.P. Singh, Dean Fisheries, GB Pant University, Member

The Secretary Deptt. of Irrigation Govt. of Uttaranchal or his representative, Member

The Secretary Deptt. of Tourism, Govt. of Uttaranchal or his representative, Member

Shri S.R. Chanyal, Jt. Director, Uttaranchal Fisheries Department, Member

Dr. (Smt) Kumkum Shah, Degree Collgee, Pithoragarh, Member

Brig. Jasbir Singh President Environmental Protection Organisation, Dehradun, Member

Shri R.S. Rautela, Anglers's Association, Dehradun, Member

Shri Nanu Kashyap, Member

Shri Surinder Kumar, Member

The draft policy was formulated by the committee during their two day deliberations and detailed discussions on May 22 and 23rd at NRCCWF campus, Bhimtal. The inputs from other co-opted scientists of NRCCWF Dr. Shyam Sunder and Dr. B.C. Tyagi and officials from State Fisheries Department Dr. R.C. Pokhariyal were also taken into consideration. The final draft policy both English and Hindi versions was submitted to Dr. R.S. Tolia, IAS. Principal Secretary &



Dr. K.K. Vass Director, NRCCWF presiding over the Fishery Policy Committee meeting constituted by Government of Uttaranchal.



Members of Fishery Policy Committee, Constituted by Government of Uttaranchal visiting the Mahseer Seed Production Unit of NRCCWF at Bhimtal

Commissioner Forest & Rural Development Department, Govt. of Uttaranchal on May 28, for consideration at Govt. level.

Discussion meeting on the draft policy

The Director, Dr. Vass participated in the meeting held at Uttaranchal Govt. Secretariate, on June 9, 2002 under the Chairmanship of Hon'ble Minister of Co-operative, Animal husbandry, Dairying and Fisheries, Shri Naithani Ji. The discussion on the draft policy was initiated by Dr. Tolia, the Principal Secretary Govt. of Uttaranchal. After a thorough discussion the Hon'ble Minister proposed certain modifications which will be included by the Govt. before submitted for approval.

HUMAN RESOURCE DEVELOPMENT

Participation in Workshops/Seminars/Symposium/Meetings/Brain Storming Sessions, etc.

Dr. Madan Mohan, Principal Scientist participated in the 89th session of Science Congress held at Lucknow during 3-7 January 2002 and presented the research paper entitled "Fish and fisheries of Gaula river in Kumaon Himalaya" as poster presentation.

Dr. K.K. Vass, Director, was a special invitee at National Seminar on "Relevance of Biosphere Reserve, National Parks & Sanctuaries" organized by Nature conservators (India) and Gurukul Kangri University on May 25-26, 2002 at Haridwar. Dr. Vass was a key speaker and he was awarded "Nature Conservator Environmental Conservation Excellency Gold Medal" for the year 2001 by the Society. The medal was conferred to him by the Acharya & Vice-Chancellor of the University Prof. Ved Prakash Shastri, at the inaugural function held on May 25, 2002.

Workshop on Development of Research Strategy for Aquafarming in Uttaranchal organised by College of Fishery Sciences, G.B. Pant University of Agriculture and Technology, Pantnagar on 22nd April 2002 was attended by the Director and the scientists of this Institute, and papers were presented by Dr. M. Mohan, Dr. C.B. Joshi, Dr. Shyam Sunder, Dr. B.C. Tyagi, Dr. A.K. Singh, and Dr. K.D. Joshi. The Director, Dr. K.K. Vass delivered a keynote address and acted as Chairman of the plenary session for formulation of recommendations. The workshop was inaugurated by Shri Naithani Ji, Hon'ble Minister of Fisheries, Govt. of Uttaranchal.

Training

Dr. A.K. Singh, Senior Scientist participated in the short term training "Launch Workshop on Library Improvement and Networking with ICAR/SAU's Libraries" organized at IASRI, ICAR Library Avenue, Pusa, New Delhi from 17-19th June, 2002.

PUBLICATIONS

Bulletins

- (i) Uttaranchal mein matsyaki vikas ki sambhawanayi. Bulletin No.6 by K.D. Joshi
- (ii) Contribution of NRCCWF in coldwater fisheries research and extension. Bulletin No. 7 by K.K.Vass.
- (iii) Sunheri mahseer. Bulletin No. 8 by H.S. Raina, Shyar Sunder, C.B. Joshi and Madan Mohan.

Folder

Trout fisheries in India by C.B. Joshi

Research articles

- (i) Shyam Sunder and H.S. Raina. Fishery resources and their management in Kashmir Himalaya- a profile. In: Natural Resources of Western Himalaya (Ed. Ashok K. Pandit): 223-243.
- (ii) Vass, K.K. Status and future thrust of coldwater fisheries in Himalayas. In: Coldwater Fish Genetic Resources and their Conservation. NATCON Publication No. 7:37-46
- (iii) Singh, A.K. Biotechnology in coldwater fishery development, molecular biology and fish genetics. *Ibid.* 75-88
- (iv) Shyam Sunder and C.B. Joshi. State-of-art of the threatened fishes of Himalayan uplands and strategies for their conservation. *Ibid.* 101-112.
- (v) Joshi, K.D., Joshi, C.B. Sunder, S. Ecology and fishery of the river Ladhiya in Uttaranchal. *Ibid.* 189-194.

कुमायूँ में रेन्बो ट्राउट मछलियों का विकास

कुमायूँ क्षेत्र के उत्तरांचल राज्य में नैनीताल के समीप भवाली हैचरी में वर्ष 1910 में कश्मीर से लगभग 10,000 ट्राउट मछली के अण्डे लाकर डाले गए। इसके पश्चात 1912 में कुमायूँ की नैनीताल, नौकुचियाताल, सातताल, मालवाताल तथा दूसरी अन्य झीलों में ट्राउट अंगुलिकाओं का संचय भी कराया गया किन्तु अपेक्षाकृत अधिक तापमान के कारण कुमायूँ में ट्राउट पालन में सफलता प्राप्त नहीं हो सकी। यद्यपि उत्तरांचल के टिहरी क्षेत्र के कल्डियानी तथा तल्वाड़ी फार्म में कश्मीर से ट्राउट मछली के अण्डों को लाकर प्रत्यारोपित किया गया है। कुछ समय पूर्व ही राष्ट्रीय अनुसंधान केन्द्र के प्रयासों से कुमायूँ क्षेत्र के चम्पावत जिले में स्थित छीरापानी मत्स्य फार्म में रेन्बो ट्राउट मछली की वयस्क अंगुलिकाओं के पालन में सफलता प्राप्त की गई है। कुछ महिनों बाद राष्ट्रीय अनुसंधान केन्द्र ने छीरापानी मत्स्य फार्म में रेन्बो ट्राउट का प्रजनन, सफलता पूर्वक कराया तथा उसके अण्डों की हैचिंग भी की गई। उसके पश्चात उनको समुद्रतल से 1340 मी. की ऊंचाई पर स्थित भीमताल, जहाँ पर चम्पावत की तुलना में तापक्रम अपेक्षाकृत अधिक रहता है, में पालने में भी महत्वपूर्ण सफलता प्राप्त की है

अ. चम्पावत केन्द्र में ट्राउट प्रजनन

रेन्बो ट्राउट सामान्यतः सर्दियों में फरवरी-मार्च के महिनों में अण्डे देती है। राष्ट्रीय अनुसंधान केन्द्र भीमताल के चम्पावत स्थित मत्स्य फार्म में रखे गए प्रजनकों से 1 फरवरी, 2002 को अण्डदोहन किया गया तथा 10,000 अंगुलिकाओं का उत्पादन कराया गया।

ब. भीमताल नर्सरी में ट्राउट अंगुलिकाओं का उत्पादन

हिमाचल प्रदेश से प्राप्त रेन्बो ट्राउट के अण्डों को पहली बार भीमताल नर्सरी में 7.0-20.0 डिग्री सेन्टीग्रेड के तापक्रम पर रखा गया। सफलतापूर्वक स्फुटन के पश्चात 50 दिन में अंगुलिकाओं का भार 6.5 ग्रा., 90 मि.मी. लम्बाई तथा 98.0 प्रतिशत की दर से उत्तरजीवितता प्राप्त की गई। मछलियों को मुख्यतः कृत्रिम आहार दिया गया उक्त परिणाम अपेक्षाकृत अधिक तापक्रम में ट्राउट मछली पालन की सम्भावना को व्यक्त करता है।

विशिष्ट आगन्तुक

कृषि राज्य मंत्री, भारत सरकार

माननीय केन्द्रीय कृषि राज्य मंत्री भारत सरकार तथा भारतीय कृषि अनुसंधान परिषद् के उपाध्यक्ष श्री हुकुमदेव नारायण यादव ने 28 जून, 2002 को संस्थान का भ्रमण किया। इस अवसर पर संस्थान के निदेशक द्वारा उनका स्वागत किया गया तथा पर्वतीय क्षेत्र की जनता की सामाजिक-आर्थिक स्थिति को ऊँचा उठाने के लिए संस्थान द्वारा चलायी जा रही विभिन्न अनुसंधान परियोजनाओं के बारे में विस्तार से बताया। संस्थान के वैज्ञानिकों तथा कर्मचारियों से औपचारिक परिचय के पश्चात माननीय मंत्री जी ने संस्थान द्वारा राष्ट्रीय परिदृश्य में शीतजल मात्स्यिकी तथा खुले जल की मात्स्यिकी पर किए जा रहे प्रयासों की काफी सराहना की। माननीय मंत्रीजी ने संस्थान की माहसीर बीज इकाई तथा भीमताल में निर्माणाधीन परिसर का भी भ्रमण किया।

वन एवं पर्यावरण मंत्री, उत्तरांचल

श्री नव प्रभात सिंह, माननीय वन एवं पर्यावरण राज्य मंत्री, उत्तरांचल सरकार ने संस्थान के चम्पावत स्थित मत्स्य फार्म का भ्रमण किया। उन्होंने राष्ट्रीय अनुसंधान केन्द्र द्वारा पर्वतीय मात्स्यिकी विशेषकर कुमायूँ के पर्वतीय

क्षेत्र में मात्स्यिकी के विकास हेतु किए जा रहे प्रयासों की काफी सराहना की।

मुख्य चुनाव आयुक्त, भारत सरकार

श्री जे.एम. लिंगदोह, मुख्य चुनाव आयुक्त, भारत सरकार द्वारा संस्थान के प्रयोगिक प्रक्षेत्र छीरापानी का 18 मार्च, 2002 को भ्रमण किया गया। उन्हें चम्पावत केन्द्र के प्रभारी वैज्ञानिक डॉ. के. डी. जोशी ने प्रक्षेत्र में चल रही अनेक अनुसंधान परियोजनाओं की विस्तृत जानकारी दी।



श्री जे. एम. लिंगदोह, मुख्य चुनाव आयुक्त, भारत सरकार राष्ट्रीय शीत जल मात्स्यिकी अनुसंधान केन्द्र के मत्स्य प्रक्षेत्र छीरापानी, चम्पावन के भ्रमण पर

अन्य आगन्तुक

20 जून, 2002 को संस्थान के चम्पावत स्थित मत्स्य फार्म का श्री तारकेन्द्र वैष्णव, जिलाधिकारी तथा श्री हेमेश खर्कवाल, विधायक ने भ्रमण किया साथ में श्री कुमार विनीत, ए.एस.डी.एम. ने भी मत्स्य प्रक्षेत्र का भ्रमण किया।

डा. नरेन्द्र कुमार, निदेशक, रक्षा कृषि अनुसंधान प्रयोगशाला, पिथौरागढ़ ने भी 5 फरवरी, 2002 को मत्स्य प्रक्षेत्र चम्पावत का भ्रमण किया तथा विभिन्न कार्यकलापों की जानकारी ली।

दिनांक 1.3.2002 को गोविन्द बल्लभ पन्त कृषि एवं प्रौद्योगिकी विश्वविद्यालय, पन्तनगर की एसोशिएट प्रोफेसर डॉ. अमिता सक्सेना की देखरेख में बैचलर आफ फिशरीज साइंस के अंतिम वर्ष के छात्रों के दल ने संस्थान के मत्स्य फार्म का भ्रमण किया।

27.3.2002 को राष्ट्रीय इंडियन मिलेट्री कालेज, देहरादून के 28 सैन्य छात्रों ने कमांडोर ए.बी. भट्टाचार्य तथा श्री प्रशान्त शर्मा सहित 4 अन्य स्टाफ सदस्यों के साथ संस्थान की हैचरी का भ्रमण किया।

दिनांक 11-16 जून, 2002 को अल्मोड़ा क्षेत्र के 650 एन.सी.सी. छात्र-छात्राओं ने लैपिटनेट कर्नल अमिताभ नेगी के साथ संस्थान के चम्पावत स्थित फार्म का भ्रमण किया।

तकनीकी हस्तांतरण

डॉ. के.डी. जोशी, वैज्ञानिक एवं प्रभारी-अधिकारी रा.शी.ज.मा.अनु.केन्द्र चम्पावत ने चम्पावत के पंचायत भवन में उपस्थित मत्स्य पालकों तथा विकास

एवं विस्तार कर्मचारियों के सम्मुख-‘पर्वतीय क्षेत्रों में मत्स्य पालन कैसे करें’ शीर्षक पर व्याख्यान दिया। यह कार्यक्रम दिनांक 6 मई, 2002 को आयोजित किया गया था जिसकी अध्यक्षता श्री तारकेन्द्र वैष्णव, जिलाधिकारी चम्पावत ने की।

इस अवसर पर संस्थान की गतिविधियों को चम्पावत जिला प्रशासन द्वारा आयोजित ‘समाज कल्याण मेला’ के बूट चित्रों के माध्यम से लोहाघाट के ब्लाक कार्यालय में दिनांक 25 जून, 2002 को प्रदर्शित किया गया।

संस्थान के वैज्ञानिकों द्वारा 28 फरवरी 2002 को भीमताल हैचरी में उत्तरांचल राज्य, मात्स्यकी कार्मिकों को मात्स्यकी सर्वेक्षण के विभिन्न तौर तरीकों से डाटा संग्रहण व उनको कम्प्यूटरीकृत करने का प्रशिक्षण दिया गया।

मानव संसाधन

बेनस्टार्मिंग अधिवेशन/बैठक/सेमिनार-गोष्ठी/कार्यशाला में सहभागिता

- डॉ. के.के. वास, निदेशक ने दिनांक 25-26 मई, 2002 को नेटकान तथा गुरुकुल कांगड़ी विश्वविद्यालय द्वारा आयोजित राष्ट्रीय सेमिनार में विशिष्ट अतिथि के रूप में भाग लिया। इस आयोजन के दौरान उन्हें “नेचर कन्जर्वेटर इनवायर्नमेंटल कन्जर्वेशन एक्सिलेंसी गोल्ड मेडल” एवार्ड से पुरस्कृत किया गया।
- डॉ. मदन मोहन, प्रधान वैज्ञानिक ने दिनांक 3-7 जनवरी, 2002 को लखनऊ में आयोजित विज्ञान कांग्रेस में भाग लिया तथा इस अवसर पर “कुमायूँ हिमालय की गोला नदी की मात्स्यकी” शीर्षक पर अपना शोध पत्र प्रस्तुत किया।
- पन्तनगर कृषि विश्वविद्यालय द्वारा आयोजित “उत्तरांचल राज्य में मत्स्य पालन के विकास हेतु अनुसंधान नीति” की कार्यशाला में डॉ. के.के. वास, निदेशक ने समापन सत्र की अध्यक्षता की। इस कार्यशाला में



डा. मदन मोहन, प्रधान वैज्ञानिक, राष्ट्रीय विज्ञान कांग्रेस में अपनी अनुसंधान उपलब्धियों को चित्र प्रदर्शनी के माध्यम से प्रस्तुत करते हुए।

संस्थान के वैज्ञानिकों डॉ. मदन मोहन, डॉ. बी.सी. त्यागी, डॉ. सी.बी. जोशी, डॉ. श्याम सुन्दर, डॉ. ए.के. सिंह एवं डॉ. के.डी. जोशी ने अपने-अपने शोध पत्र प्रस्तुत किए।

प्रशिक्षण

डॉ. ए. के. सिंह, वरि. वैज्ञा. ने आई.ए.एस.आर.आई., आई.सी.ए.आर. लाइब्रेरी एवेन्यू पूसा, नई दिल्ली में 17-19 जून, 2002 को ‘लांच वर्कशाप ऑन लाइब्रेरी इम्पूवमेंट एण्ड नेटवर्किंग विद इन आई.सी.ए.आर./एस.ए.यू. लाब्रेरीज’ के प्रशिक्षण कार्यक्रम में भाग लिया।

बैठके

कर्मचारी अनुसंधान परिषद

दिनांक 18 मई, 2002 को रा.शी.ज.मा. अनु. केन्द्र भीमताल में डॉ. बी.एन. सिंह, कार्यवाहक उपमहानिदेशक, (मत्स्य) भारतीय कृषि अनुसंधान परिषद की अध्यक्षता में कर्मचारी अनुसंधान परिषद की वार्षिक बैठक हुई। बैठक में वर्तमान में (2000-2001) चल रही प्रत्येक अनुसंधान परियोजना का समीक्षात्मक मूल्यांकन किया गया तथा वर्ष 2002-2003 के लिए योजना कार्य की संस्तुति की गयी।

संयुक्त कर्मचारी अनुसंधान समिति

दिनांक 2 जनवरी तथा 17 अप्रैल 2002 को डॉ. के.के. वास, निदेशक की अध्यक्षता में संस्थान की संयुक्त कर्मचारी परिषद की बैठक हुई जिसमें अध्यक्ष द्वारा पिछली बैठक की कार्यसूची पर लिए गए निणर्यों पर विचार विमर्श किया तथा इसके पश्चात् बैठक के नवीन मुद्दों पर चर्चा की गई।

राजभाषा कार्यान्वयन समिति

राजभाषा हिन्दी के प्रति जागरूकता लाने के उद्देश्य से संस्थान में राजभाषा कार्यान्वयन समिति की तिमाही बैठकों को नियमित रूप से आयोजित किया गया। ये बैठकें क्रमशः 18 मार्च तथा 25 जून 2002 को आयोजित की गईं।

मत्स्य नीति समिति

उत्तरांचल राज्य द्वारा गठित मत्स्य नीति का प्रारूप (ड्राफ्ट) तैयार करने हेतु 5 मई, 2002 को डॉ. के.के. वास, निदेशक राष्ट्रीय शीतजल मात्स्यकी अनुसंधान केन्द्र भीमताल की अध्यक्षता में एक कमेटी का गठन किया गया। उक्त कमेटी द्वारा दिनांक 22 व 23 मई को 2 दिन के गहन विचार विमर्श के पश्चात् मत्स्य नीति का मसौदा राष्ट्रीय अनुसंधान केन्द्र के परिसर में तैयार किया गया। इस मसौदे के निर्माण में राष्ट्रीय अनुसंधान केन्द्र के वैज्ञानिकों-डॉ. श्याम सुन्दर तथा डॉ. बी.सी. त्यागी तथा राज्य मत्स्य विभाग के डॉ. आर.सी. पोखरियाल का भी सहयोग रहा। इस मत्स्य नीति का अंतिम प्रारूप हिन्दी तथा अंग्रेजी में डॉ. आर.एस. टोलिया, आई.ए.एस., प्रधान सचिव तथा आयुक्त वन एवं ग्रामीण विकास विभाग को उत्तरांचल सरकार के कार्यान्वयन हेतु सौंप दिया गया।

मत्स्य नीति पर विचार विमर्श

दिनांक 9 जून, 2002 को डॉ. के.के. वास, निदेशक ने उत्तरांचल सरकार के सचिवालय में माननीय दुग्ध, मत्स्य, पशुपालन एवं सहकारिता मंत्री श्री नैथानी जी की अध्यक्षता में आयोजित बैठक में भाग लिया। नीति के प्रारूप पर सर्वप्रथम उत्तरांचल सरकार के प्रधान सचिव डॉ. आर.एस. टोलिया ने अपने विचार रखे। गहन विचार विमर्श के पश्चात् मत्स्य नीति के प्रारूप में माननीय मंत्री जी ने आंशिक संशोधन किए जिनको सरकार के पास संस्तुति से पूर्व प्रारूप में शामिल किया जाना था।

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