



ANNUAL REPORT 2021

FISHERIES RESEARCH & TRAINING INSTITUTE (FR&TI)



*Fisheries Research & Training Institute, Manawan
Lahore, Pakistan*

Words from the Director

FR&TI, Lahore

Fisheries Research & Training Institute (FR&TI), Lahore is devoted to develop technically trained manpower of various levels for promotion and development of aquaculture and fisheries in the public and private sector. FR&TI also conducts multidisciplinary research activities to target different issues faced by aquaculturists/ fish farmers. Our mission is to be an Institution of Distinction committed to the capacity building of personnel by disseminating knowledge for sustainable development of aquaculture and conservation and management of natural fisheries resources. Publication of this first ever Annual Report 2021 is an effort to communicate our untiring efforts made to achieve our mission. Indeed, looking back over 2021, FR&TI's accomplishments were impressive. To ensure the betterment in future, we have adopted the set of practices that can sustain a culture of continuous improvement at the Institute.

Dr. Anser Mahmood Chatta
Director Fisheries
FR&TI, Lahore

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EXECUTIVE TEAM

FR&TI, Lahore

Dr Anser Mahmood Chatta

Director Fisheries



Dr. Anser Mahmood Chatta joined FR&TI, Lahore in May, 2021 as director Fisheries. Dr. Anser is serving Fisheries & Aquaculture Sector in Pakistan since 33 years. He has also worked in Federal Government as Dy. Fisheries Development Commissioner and the Chief Executive Officer of Fisheries Development Board. He is alumni of SEAFDEC/AQD Iloilo, Philippines, FFRC, WUXI, China and Mississippi State University, USA. Dr. Chatta has represented Government of Pakistan in several regional/ international meetings and workshops in Thailand, Italy and Indonesia.

Dr. Kashifa Naghma Waheed

Principal Chemist

Dr. Kashifa Naghma Waheed is working as Principal Chemist and Research Coordinator at FR&TI since 2011 and is Head of Soil & Water Chemistry Section. She has also worked as Section Officer in different capacities in the office of Secretary, Forest, Wildlife & Fisheries (FWF), Punjab. Dr. Kashifa has also served FR&TI as Focal Person/ Admin Officer and Deputy Director Fisheries (Aquaculture & Pathology Section). She has provided enormous services for promotion of Fisheries & Aquaculture in Punjab during her 29 years of service at Department of Fisheries, Punjab.



Mr. Bilal Ahmad

Deputy Director (Principal, Breeding & Genetics)



Mr. Bilal Ahmad joined FR&TI, Lahore as Deputy Director (Principal) and Head of Breeding and Genetics Section in October, 2021. Mr. Bilal has 29 years of experience in the fields of Hatchery Management and Fisheries & Aquaculture Extension Services. He is an expert of Tilapia culture in Punjab. Mr. Bilal is among the pioneers who introduced sex reversal techniques for Tilapia in Faisalabad.

Dr. Tariq Mahmood

Deputy Director (Instructor, Fish Nutrition)

Dr. Tariq Mahmood joined FR&TI, Lahore in October 2021 as Deputy Director (Instructor) and Head of Nutrition Section. During his 14 years of service, Dr. Tariq has provided multifarious services in the Department as Microbiologist, Hatchery Manager and Assistant Director (Admn). Dr. Tariq has vast experience of Hatchery management, microbial & chemical analysis of fish and fish products and quality management system.



Ms. Abida Saeed

Deputy Director (Biology & Ecology)

Ms. Abida Saeed joined FR&TI, Lahore in October 2021 as Deputy Director and Head of Biology & Ecology Section. She is serving the Department for 14 years and has vast experience in the field of Fisheries & Aquaculture Extension Services as well as Hatchery Management. Ms. Abida has also conducted research studies on collection and identification of freshwater prawns from natural water bodies of Punjab.



Mr. Zulfiqar Ahmed

Deputy Director (Aquaculture & Pathology)

Mr. Zulfiqar Ahmed has joined FR&TI, Lahore in December 2021 as Deputy Director and Head of Aquaculture & Pathology Section. He is serving the Department of Fisheries, Punjab for more than 30 years. Mr. Zulfiqar has also worked as Assistant Chief in Planning and Development (P&D) Department and as Section Officer in the office of Secretary, Forest, Wildlife and Fisheries (FWF), Punjab.



Mr. Asif Ali

Deputy Director (QCL)/ Quality Manager

Mr. Asif Ali assumed the charge of Deputy Director (QCL) in September 2021. He is serving QCL and FR&TI as senior chemist for about 24 years. At present, he is also working as Quality Manager at Quality Control Labs (QCL). Mr. Asif has vast experience of chemical testing, quality control and quality management system. He is also the technical expert of Pakistan National Accreditation Council (PNAC).



Organizational Structure

FR&TI, Lahore

Director Fisheries
(R&T)

Admin Wing



Training Wing



Research wing

Biology & Ecology

Fish Nutrition



Breeding & Genetics



Aquaculture & Pathology



Chemistry



Quality Control Labs



● Pre-Promotion Course(s)

Eight Week Special Training Course for Promotion of Assistant Director Fisheries/ Senior Chemists successfully completed on 29 October, 2021

Special training course for promotion of Assistant Director Fisheries/ Senior Chemist to Deputy Director Fisheries/ Principal Chemist started on September 06, 2021 at FR&TI, Lahore. Seventeen Assistant Director Fisheries/ Senior Chemists were nominated for the training course including two candidates from Gilgit Biltistan. Training sessions were conducted by the highly skilled resource persons from different fields of Fisheries & Aquaculture. Hands on training as well as field visits further enhanced the learning opportunities for the trainees. A Certificate Distribution Ceremony chaired by Mr. Shahid Zaman, Worthy Secretary, Forest, Wildlife & Fisheries (FWF) was held on November 2, 2011 for formal closing of training course.



Inauguration Ceremony



**Left: Dr. Muhammad Ayub (Ex. Director General Fisheries, Punjab) Delivering lecture to the trainees
Right: Hands on training session on Fish Anatomy**



Left to Right: Mr. Shahid Zaman (Secretary FWF), Dr. Sikender Hayat (Director General Fisheries, Punjab) and Dr. Anser Mahmood Chatta (Director Fisheries, R&T) addressing to the trainees at Certificate Distribution Ceremony



Mr. Shahid Zaman (Secretary, FWF) distributing certificates among the trainees



Group Photo of the trainees with Mr. Shahid Zaman (Secretary, FWF) Dr. Sikender Hayat (Director General Fisheries, Punjab) and Dr. Anser Mahmood Chatta (Director Fisheries, R&T)

● Refresher Course(s)

- One Week Refresher Course for Fisheries Research Assistant/ Assistant Warden Fisheries (November 22-26, 2021)
- One Week Refresher Course for Fisheries Research Assistant/ Assistant Warden Fisheries (August 23-27, 2021)
- One Week Refresher Course for Assistant Director Fisheries (July 12-16, 2021)
- One Week Refresher Course for Fisheries Research Assistants/ Assistant Warden Fisheries (June 21-25, 2021)
- One Week Refresher Course for Assistant Director Fisheries (May 31- June 4, 2021)
- One Week Refresher Course for Fisheries Research Assistant/ Assistant Warden Fisheries (April 26-30, 2021)
- Two Days Refresher Course for Senior Chemist (April 20-21, 2021)
- Two Week Refresher Course for Assistant Director Fisheries/ Senior Chemist (January 18-29, 2021)



● Off-Campus Workshops

Off-Campus Workshops for fish farmers and fisheries staff were arranged at 11 districts of Punjab including Lahore, Sialkot, Chiniot, Multan, Khanewal, Gujranwala, Gujrat, Narowal, Mundi Bahauddin, Hafizabad and Sialkot in 2021. Resource persons from FR&TI visited different districts and guided farmers/ aquaculturists about Water Quality Management, Fish Farm Management and Fish Quality Control. Two hundred and eight personnel received training through these workshops.



● Internship Opportunities

FR&TI also provided internships for university graduates in the field of Fisheries & Aquaculture. Eight graduate students from Lahore Campus of University of Veterinary and Animal Sciences and University of Lahore received training at FR&TI through 2-4 months Internship programmes in 2021.



● Exposure Visits by Academia

FR&TI also provided trainings to academia through Exposure Visits. One hundred and seven students from Government College University, Lahore and Minhaj University, Lahore visited FR&TI on July 12, 2021. Resource persons guided students about functions and operations of different laboratories and research facilities.



● Soil & Water Analysis

This Institute provides soil and water quality testing services for fish farmers/ aquaculturists free of cost. In addition to testing services, recommendations on suitability of soil and water for fish culture are also provided. Total 5330 chemical tests have been conducted for 410 water samples received at Chemistry Lab from various developed or proposed aquaculture facilities during 2021. Moreover, 185 soil samples have been analyzed through 648 tests to guide the farmers about soil suitability of their sites for aquaculture.



● Fish Disease Diagnosis



FR&TI also provides fish disease diagnosis services to the fish farmers free of cost. One hundred and forty three fish samples brought to the Lab have been analyzed at Aquaculture & Pathology Section during 2021. Recommendations were also provided to the concerned farmers to control fish diseases at their farms.

● Testing Services at Quality Control Labs

Quality Control Labs (QCL) equipped with advanced equipment and latest techniques provide authentic testing services to the valued customers in confirmation with the requirements of ISO/IEC 17025: 2017 at very competitive rates. QCL has provided chemical testing services for 98 samples of water, 92 samples of fish & 70 samples of fish feed during 2021 through 1028 chemical tests. Moreover, microbiological analysis of 76 water samples and 167 fish samples is also conducted through 1062 microbial tests for the valued customers.



● Research Activities

■ Research Projects Completed in 2021

1. Growth performance of common carp and sex reversed tilapia in outdoor biofloc units at different stocking densities

In order to promote use of modern aquaculture techniques in Punjab, first experimental setup of Biofloc Culture System has been installed at FR&TI, Lahore. A research experiment was conducted by Aquaculture & Pathology Section for Culture of Tilapia and Common Carp in Biofloc system for two months. Experiment completed in November 2021 with encouraging results regarding fish growth and survival. This experiment will be continued in the next year as well.



2. Effects of yeast supplemented diet on growth performance of *Labeo rohita* fingerlings

Nutrition Section at FR&TI is devoted to prepare low cost feed formulation for commonly cultured fish species in Punjab. Recently, a research experiment based on use of yeast supplemented diet for culture of *Labeo rohita* fingerlings has been successfully completed by the section.



3. Use of natural antioxidant coatings for quality preservation in frozen fish

Fish preservation to maintain its quality during supply chain is a challenge in Fish Production Sector. A research experiment was conducted by Chemistry Section (R&T) to evaluate the efficacy of natural antioxidant coatings to improve fish quality during frozen storage. Experiment is successfully completed and outcome will lead to help in development of natural preservatives for fish.



4. Pond Fertility Enhancement through the Application of Different Kinds of Composts: Effect on Fish Growth and Water Quality

A research project conducted by Chemistry Section to develop low-cost fertilizers for fish culture successfully completed in 2021. Project findings will enable the farmers to reduce fertilizer costs during fish production for sustainable development of aquaculture.



5. Studies on Local Fresh Water Prawns

A comprehensive survey has been conducted by a team of researchers at Biology & Ecology Section for collection and identification of the local fresh water prawns from Punjab. Different prawns species have been collected from natural water bodies like rivers, headworks, link canals, barrages and dams. Morphometric studies of prawns are completed. Prawns species identified were *Macrobrachium taunsi*, *Macrobrachium lamarrei*, *Macrobrachium shahpuri*, *Macrobrachium trimizi*, *Macrobrachium dayanum*, *Macrobrachium naso* and *Macrobrachium rude*.



Macrobrachium lamarrei



Macrobrachium dayanum



Macrobrachium shahpuri



Macrobrachium rude



Macrobrachium timiziae



Macrobrachium taunsi



Macrobrachium naso

Water bodies surveyed for Prawns collection

Head Taunsa, Misriot Dam, Rawal Dam, Head Islam, Head Marala, Narowal, Lower Jehlum Canal near Bhalwal, Sargodha, Upper Jehlum Canal, Dhop Sari, Gujrat, Basantar Nala, Shakar Gharh, Narowal

Research Projects Proposed for Annual Research Plan (ARP) 2022

Research is one of the key activities of FR&TI. A proposed Annual Research Plan (ARP) for the upcoming year is prepared at the end of every year and sent to the Fisheries Head Quarter for final approval by the Technical Research Review Committee. Dr. Anser Mahmood Chatta, Director Fisheries (R&T) regularly conducted meetings with the researchers to finalize the proposed Annual Research Plan for 2022. A tentative list of proposed research projects included in ARP 2022 is presented below.

Aquaculture & Pathology

- Evaluation of Growth Performance of GIFT Tilapia and *Pangasius* Fish Seed with Varying Stocking Densities using Biofloc Technology
- Studies on the Effect of Probiotics on Water, Plankton Profile and Fish Growth in Pond Aquaculture

Biology & Ecology

- Development of Moina Production Techniques as Live Fish Feed
- Effect of Azolla Supplemented Diets on the Survival and Growth of *Labeo rohita*

Breeding & Genetics

- Introduction to Small Scale Aquaponics System at FR&TI, Manawan, Lahore
- Effects of Varied Feeding Regimes, Photoperiod and Light on the Survival of *Wallagu attu* Post Larvae.
- Role of Stunting/ Compensatory/ Catch-up Growth in the Reduction of Production Cost: *Labeo rohita* as a Case Study

Chemistry

- Development of White Worms Culture System as Supplementary Feed and its Effect on Fish Growth as a Feed Supplement
- Comparative Studies on Effectiveness of Various Hydrophytes for Phytoremediation of Sewage Water
- Effect of Increasing Water Hardness on Growth and Survival of *Labeo rohita* Juveniles reared at Different Water Salinity Levels
- Introduction of Ornamental Fish Culture as an Economically Viable Cottage Industry

Fish Nutrition

- Mixed Daily Ration as a Feeding Strategy for Better Nutrient Utilization and Reducing Feed Cost in GIFT Tilapia
- Comparative Study of Sex Reversal Methods of GIFT Tilapia (*Oreochromis niloticus*) under local conditions

■ Facilitation and Research Coordination

Scientific collaboration is one of the key prerequisites for promotion of research and development in Pakistan. Department of Fisheries has signed Memorandum of Understanding (MoU) with Government College University, Lahore; Government College University, Faisalabad and University of Veterinary and Animal Sciences, Lahore. In addition, FR&TI provides lab facilities for universities students. Students are provided with collaborative environment and valuable opportunities to work with highly skilled faculty of FR&TI. Four postgraduate students from Lahore Garrison University, Lahore have conducted their research experiments at FR&TI, Lahore in 2021.

● Development Activities

Government of Punjab allocates special funds for Development Projects to different Departments of the Province. FR&TI also prepares and submits Development Projects under Annual Development Programme (ADP) for advance and applied research as well as capacity building in Fisheries & Aquaculture.

■ Development Projects

1. Establishment of Tilapia Research Center at Fisheries Research and Training Institute, Lahore

Development Project to conduct studies on reproductive physiology, sex reversal techniques and culture of tilapia successfully completed in June 2021. Gestation Period of the Project was 2017-18 to 2019-20 that was extended up to 2020-21. Tilapia Research Center (TRC) is established at FR&TI under this Project and commencement of research activities for tilapia culture and reproduction is under process.



2. Establishment of Fish Seed Hatchery and Creation of Research Facility at Bhaseen

Objective of Development Project of Directorate of Hatchery Management (Gestation Period; 2019-20 to 2021-22) is to establish a state of the art Fish Seed Hatchery at Bhaseen. One component of this Project will be completed by FR&TI. Construction of 18 research ponds and a thermo controlled Wet Lab is under process by FR&TI at Bhaseen. Total Project Cost is Rs. 226.32 Million out of which Rs. 84.988 Million are allocated to FR&TI for establishment of its Research Facility.



● Training Programme for Cage Fish Farmers arranged by FDB at FR&TI under Prime Minister National Agriculture Emergency Programme

Fisheries Development Board (FDB) arranged a 15 days training course for cage fish farmers from December 6-20 2021 in Auditorium of FR&TI, Lahore. Training Course was arranged under the Cage Culture Cluster Development Project funded by Prime Minister National Agriculture Emergency Programme. Cage fish farmers from all over the Pakistan participated in the course. Dr. Anser Mahmood Chatta, Director Fisheries (R&T) served as Master Trainer for the trainees for first 5 days. He trained the participants with in-depth knowledge of processes, systems and techniques used in cage fish farming.



● Surveillance/ Audit of Quality Control Labs against ISO/IEC 17025: 2017

Quality Control Labs (QCL) qualified the first surveillance/ audit of second cycle as part of compliance to ISO/IEC 17025: 2017. A team of assessors from PNAC visited Quality Control Labs on December 9-10, 2021 to monitor Quality System of QCL against ISO standard for testing and calibration laboratories. Scope of accreditation of QCL is, also, extended and now includes 10 chemical and 8 microbial parameters in different matrices. QCL was, first, accredited in 2017 against ISO 17025: 2005 for 5 chemical and 7 microbial parameters. Later, QCL successfully passed its transition audit against ISO 17025: 2017 in 2020. Scope of the testing services of the QCL is, continuously extending since 2017 that can be attributed to hard work and dedication of its staff as well as support and encouragement from higher authorities.



● Exposure Visit of Delegation from Gilgit Baltistan

A delegation comprising of ten officers/ officials from Department of Fisheries, Gilgit Baltistan (GB) visited FR&TI on December 04, 2021 as part of their exposure visit to Fisheries research, field and infrastructure sites in Punjab and Khyber Pakhtunkhwa (KP). Delegation was headed by Mr. Ghulam Mohiuddin, Director Fisheries, GB. Dr. Anser Mahmood Chatta, Director Fisheries (R&T) welcomed the honorable guests and gave briefing on research and training activities at FR&TI, Lahore. Team visited different research labs at FR&TI and QCL.



● Evaluation team of Director General (M&E) Planning & Development Board, Govt. of the Punjab, visited FR&TI for evaluation of Development Project

Evaluation team of Director General (M&E) from Planning and Development (P&D) Board, Govt. of the Punjab, visited FR&TI on December 03, 2021 for evaluation of Development Project entitled “Establishment of Tilapia Research Center at Fisheries Research & Training Institute, Lahore” (2017-18 to 2019-20). The team was appraised about completion of project and achieved targets. Report of the Evaluation team for the Development Project is awaited.



Lakes Survey for Fish Culture Suitability

A team of researchers headed by Dr. Kashifa Naghma Waheed (PC) visited four natural water bodies for water sample collection and on-site water analysis on November 30- December 1, 2021. Mr. Tariq Rasheed (Botanist) and Mr. Muhammad Tanveer (Chemist) also accompanied Dr. Kashifa. Tour of the Team was arranged according to the instructions of Worthy Secretary, Forest, Wildlife & Fisheries (FWF) to prepare a feasibility report of different lakes for assessment of their potential for fish culture. Research team visited Uchali lake, Jhalar Lake, Kallar Kahar Lake and Khabeki Lake.



Visit of Fisheries Experts to Probe Mass Mortality of Trout in River Kanhar

Mass mortality of Trout fish was reported in River Kanhar from Kaghan to Balakot area in the end of November, 2021. On the directions of Worthy Secretary, Forest, Wildlife & Fisheries (FWF), a team of Fisheries Experts from Department of Fisheries, Punjab rushed to the area on formal request of Kaghan Development Authority on November 26-27, 2021. Three member team constituted by the Director General Fisheries, Punjab was led by Dr. Zahid Sharif Mirza, Director Fisheries (South Punjab) and included Mr. Sajid Mahmood, DDF (HM) and Mr. Asif Ali, Quality Manager/ DDF (QCL, FR&TI) as team members. The team examined dead fish and water quality parameters of the river and presented its recommendations to concerned authorities for protection of endangered Trout fish.



FR&TI participated in World's Fisheries Day Seminars

World's Fisheries Day is celebrated on 21 November every year across the world. The day highlights the importance of natural water reservoirs and ensures sustainable stocks of fisheries in the world.

- A seminar was arranged on November 22, 2021 to celebrate World's Fisheries Day by the Department of Fisheries, Punjab. Seminar was arranged at Directorate of Aquaculture situated at Sanda Road, Lahore. Dr. Sikender Hayat, Director General Fisheries, Punjab and Dr. Anser Mahmood Chatta, Director Fisheries (R&T) also addressed the participants and highlighted the need for management and conservation of our Fisheries resources. FR&TI staff also attended the seminar and participated in the walk that was arranged at the end of the seminar from Directorate of Aquaculture to Director General Fisheries Office, Lahore.
 
- Okara University also conducted a seminar on November 23, 2021 to celebrate World's Fisheries Day. Dr. Anser Mahmood Chatta, Director Fisheries (R&T) was also invited in the seminar as Guest Speaker. Dr. Anser talked about importance of fish as protein source in human diet and need to promote its culture.
 
- University of Veterinary and Animal Sciences, Lahore arranged a seminar on November 25, 2021 to acknowledge World's Fisheries Day. Dr. Anser Mahmood Chatta, Director Fisheries (R&T) participated in the seminar as guest speaker and highlighted the challenges faced for sustainable development of Fisheries and Aquaculture in Pakistan in his address.
 
- Kinnaird College for Women University arranged World's Fisheries Day seminar on November 30, 2021. Dr. Anser Mahmood Chatta, Director Fisheries (R&T) was invited in the seminar as guest speaker. Dr. Anser discussed the need for conservation of natural fisheries resources as well as development of aquaculture to ensure sustainable food supply for future generations.

● Quality Control Labs applied for Certification as “Environment Laboratory” from EPA, Punjab

Quality Control Labs is a state of the art Laboratory equipped with advanced equipment that can be used to monitor numerous chemical and microbial parameters in a variety of matrices. Dr. Anser Mahmood Chatta, Director Fisheries (R&T) perceived the potential of QCL and its dedicated staff upon his joining in FR&TI. Due to his sincere efforts, QCL applied for certification as “Environment Laboratory” from Environmental Protection Agency (EPA), Punjab in September 2021. It is expected that certification will be granted to QCL in near future.



● Visit of Syed Javed Iqbal Bukhari, Worthy Secretary FWF to FR&TI



Syed Javed Iqbal Bukhari, Worthy Secretary, Forest, Wildlife & Fisheries (FWF) visited FR&TI on June 04, 2021. Dr. Sikender Hayat, Director General Fisheries, Punjab and Dr. Anser Mahmood Chatta, Director Fisheries (R&T) welcomed the honorable guest. Dr. Anser Mahmood Chatta, Director Fisheries (R&T) gave detailed briefing to worthy Secretary, FWF on functions and operations of Fisheries Research & Training Institute. Later, Syed Javed Iqbal Bukhari visited different laboratories at QCL and FR&TI and monitor the research activities.

● Anti-Dengue Activities Observed at FR&TI

Anti-Dengue activities were observed at FR&TI on May 22, 2021 to comply with the instructions of Government of the Punjab. A seminar that was chaired by Dr. Anser Mahmood Chatta, Director Fisheries (R&T) was arranged in Auditorium of FR&TI. Dr. Anser, during his address, emphasized the need to adopt preventive measures to control propagation of mosquitoes that are carriers of dengue virus. He urged people to actively participate in anti-dengue activities and play their role in eradicating the virus. Mr. Nasir Hussain Naqvi (Assistant Director Fisheries) and Mr. Yasir Ali (Assistant Director Fisheries) also addressed to the participants and described symptoms of dengue fever and possible preventive and curative measures. Later, FR&TI staff participated in dengue surveillance activities at FR&TI under the guidance of Director Fisheries (R&T).



● Visit of NRCP Delegation for upgradation of Quality Control Labs

A meeting of delegation from National Residue Control Programme (NRCP) with Dr. Sikender Hayat, Director General Fisheries, Dr. Khalid Pervaiz, Director Fisheries (R&T) and senior executives from QCL and FR&TI was arranged at QCL on March 02, 2021. Dr. Sikender Hayat, Director General Fisheries, Punjab welcomed the delegation headed by Dr. Naseem Akhter. Agenda of the meeting was to plan a project for upgradation of QCL as National Lab for Inland Aquaculture Export.



- Ms. Nasreen Kousar (Principal Chemist) at QCL retired from her post after serving the Department for 32 years.
- Dr. Khalid Pervaiz (Director Fisheries, R&T) was promoted as Director General Fisheries & Wildlife, South Punjab.
- Dr. Anser Mahmood Chatta (DDF, P&D) was entrusted with Look After Charge of Director Fisheries (R&T) and upon his promotion as Director Fisheries on regular basis, posted as Director Fisheries (R&T).
- Dr. Zahid Sharif Mirza (DDF, Principal) was promoted as Director Fisheries on regular basis and posted as Director Fisheries (South Punjab).
- Mr. Riasat Ali Shah (Statistical Officer) was transferred from the o/o Director Fisheries (R&T) and posted as such in the o/o of Director General Fisheries, Punjab.
- Mr. Zafar Iqbal Khan (Office Assistant) was promoted as Superintendent, transferred to the o/o Director Fisheries (Admn/ Extension) and posted again in the o/o Director Fisheries (R&T) as such.
- Mr. Akhlaq Ahmed (Office Assistant) was transferred from the o/o of DDF, Fish Seed Hatchery, Mian Channu, posted in the o/o Director Fisheries (R&T) and, then, transferred as such in the o/o Director Fisheries (HMT).
- Mr. Mahmood Ahsan (ADF) and Ms. Abida Saeed (ADF) were transferred from the o/o Director Fisheries (R&T) and posted as such in the o/o Director Fisheries (Aqua), Punjab.
- Mr. Muhammad Shahbaz (Statistical Officer) and Mr. Muhammad Akram (Superintendent) were transferred from the o/o Director Fisheries (R&T) and posted as such in the o/o DDF, Multan Division.
- Ms. Seher Tahir (ADF) was transferred from the o/o of Director Fisheries (HM) and posted as such in the o/o Director Fisheries (R&T).
- Mr. Muzaffar Hussain (Office Assistant) in the o/o of DDF (QCL) retired from his post after serving the Department for more than 30 years.
- Dr. Sumera Siddiqi (DDF) was transferred from the o/o Director Fisheries (R&T) and posted as such in the office of Director General Fisheries, Punjab.
- Mr. Asif Ali (Senior Chemist) and Dr. Kashifa Nagma Waheed (Principal Chemist) in the o/o of Director Fisheries (R&T) were entrusted with additional charge of the post of DDF (QCL) and Aquaculture & Pathology respectively.
- Mr. Bilal Ahmed (ADF), Dr. Tariq Mahmood (ADF) and Ms. Abida Saeed (ADF) were posted as DDF Principal, DDF Instructor and DDF (Biology & Ecology) respectively, On Pay Scale basis in the o/o Director Fisheries (R&T).
- Mr. Zulfiqar Ahmad, Section Officer (Office of Secretary, FWF) was promoted as DDF and posted in the o/o Director Fisheries (R&T).

How to Reach FR&TI



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