

| U | V | A | S |

Fisheries and Aquaculture Newsletter



The Department of Fisheries & Aquaculture, UVAS aims to provide excellence in higher education, training, research and development, services and advice in the fields of sustainable Fisheries and Aquaculture consequently contributing to economic and social development of the country. We focus on resource systems influenced by human activities. Our goal is to provide people with the knowledge needed to make wise decisions on the issues of fisheries sector. We accomplish this through a combination of undergraduate and post graduate education, scholarly research, extension education, and public outreach. Our purpose is to improve knowledge of aquatic stocks and their selection, enhancement and culture to generate sustainable productive benefits of aquatic resources for poor people. We are aware that strong research correlates with booming aquaculture.

UVAS-industry Liaison a Working Group “Fisheries and Aquaculture”

Contents

- About Department of Fisheries & Aquaculture UVAS-Pakistan
- Working Group of Fisheries and Aquaculture
- A 3 year Research Project titled “Development, evaluation and promoting of cost effective and low polluting fish feed for *Labeo rohita* to enhance productivity”
- Catfish (*Pangasius pangasius*) Research at UVAS-Pakistan
- 200 women were trained in Aquaculture
- Fish Farmers Field Day and Seminar
- World Fisheries Day Celebrated at University of Veterinary and Animal Sciences, Ravi Campus



Working Group Meeting

A meeting on Fisheries and Aquaculture was called to address the issues and challenges to this sector. About 50 participants including faculty members, Director Extension Punjab Fisheries, Chief Operating Officer, Fisheries Development Board, Pakistan, industry partners (fish farmers, fish feed mill owners) and postgraduate students of the Faculty of Fisheries and Wildlife participated in the inaugural session. Prof. Dr. Muhammad Ashraf, Dean, Faculty of Fisheries & Wildlife offered welcome address. Dr. Noor Khan, Chairman of the Department Fisheries & Aquaculture gave detailed presentation in which he introduced the department, overview of the sector and working group objectives and responsibilities. Worthy Vice Chancellor, UVAS, Prof. Dr. Talat Naseer Pasha while addressing the participants appreciated the efforts of the department in bringing all the stakeholders (researchers, academia and industry) on a one platform discussing the problems/issues facing fish industry and finding their solutions to uplift the sector. He further added that there is a great potential in aquaculture industry and for investors to move forward and invest in various sectors like intensification, processing, preservation and marketing. He also advised the faculty and working group members to plan problem oriented joint research projects and develop commercial demonstration units for the students and stakeholders at UVAS and aquaculture cluster units across the country.

A 3 year Reaserch Project titled “Development, evaluation and promoting of cost effective and low polluting fish feed for Labeo rohita to enhance productivity”

This project costing Rs. 7.6 million, funded by PARB has been started at UVAS Ravi Campus Pattoki from 2015. Main objective of the project is to formulate artificial nutritionally balanced feed for Labeo rohita, an important Indian major carp. Presently this fish is culture under polyculture as well as composite culture with other Indian and Chines carps in semi-intensive fish culture system. This fish is well liked among farmers due to its reasonable growth and among consumers due to its excellent flesh qualities. Supply of this fish does not cater its demand due to its low production. Several feed formulas of floating feed will be tested simultaneously at UAF and UVAS. Successful development of nutritionally balanced, cost effective and easy availability of its feed as envisioned will help its monoculture at high stocking densities to cater the continuously emerging demands of this fish among masses.

Catfish (Pangasius pangasius) Research at UVAS-Pakistan



The Department of Fisheries & Aquaculture, University of Veterinary and Animal Sciences, Lahore-Pakistan has started research on Catfish (Pangasius) species under a research project” Prospects of culturing and breeding of Catfish, (Pangasius pangasius) in Pakistan”.The project casting an amount Rs. 3.954 million is funded by HEC. In the present aquaculture Indian major carps and Chinese carps are the dominant culturable species. The aim of introducing Catfish (Pangasius pangasius) in the country's prevailing culture system is diversification of species with subsequent increase per acre fish production providing quality protein to cater the protein demand of country's growing population. The experimental trials of the project are in progress to cover various aspects of culture techniques, feed formulations and breeding aspects of the Catfish species under study.

200 Women Were Trained in Aquaculture



A series of trainings were conducted for women of the local community under a joint venture Women Skills Development Programs funded by GIZ- Germany and Fisheries Development Board (FDB) at the Department of Fisheries & Aquaculture, University of Veterinary and Animal Sciences, Lahore-Pakistan. 200 women were trained in Fish Hatchery Management, Ornamental Fish culture and Aquarium Management, Intensive Fish Culture, and Fish Processing and Value Addition.

Fish Farmers Field Day and Seminar

Fish Farmers' Field Day and Seminar was organized under Feeding Pakistan Program of American Soybean Association/WISHH in collaboration with Tawakkal Tilapia Hatchery, at Ch. Waseem Fish Farm, Ali Pur Shamali, 18 KM, Jhang Road, District Muzaffar Garh, Pakistan, on November 08, 2015. A large number of progressive fish farmers participated in the event. Prof. M Shahid Iqbal presented fish harvesting results. These results showed that per acre production of Tilapia is almost 3 times higher as compared to Rohu (Indian Major Carp).

Results also confirmed that soy-based floating pellet feed is more economical and productive as compared to traditional low-protein mash feeds. Dr Mark Newman delivered a very comprehensive lecture on "Fish Feed Handling, Storage and Feed Management".



World Fisheries Day, 2015 Celebrated at University of Veterinary and Animal Sciences, Ravi Campus, Pattoki



The world Fisheries day was organized by the Department of Fisheries & Aquaculture on 24th November, 2015 with the theme “Pakistan Aquaculture Amalgam: Academia, Researcher & Industry”. A walk was organized from main gate to Academic Block, at C-Block, UVAS, Ravi Campus, Pattoki to enlighten the importance of fisheries sector. Worthy Vice Chancellor, Prof. Dr. Talat Naseer Pasha chaired the inaugural session of one day seminar organized under HEC-BC-KEP Project on the World Fisheries Day. Prof. Dr. Talat Naseer Pasha, while addressing the session consisting of progressive fish farmers, feed industry owners and academia personals, stresses on the advancement of collaborative efforts for the progress of fisheries and aquaculture sector. He assigned the duty to Department of Fisheries & Aquaculture to share their technical assistance to stakeholders via print and electronic media. He also advised the stakeholders to communicate with each other for promotion of Fisheries and Aquaculture sector in Pakistan. Various speakers from the department, public and private sectors (fish farmers and industry) shared the experiences, problems and the importance of the sector and initiatives to be taken for its progress.



Editorial Board

- | | |
|--|----------------|
| 1. Prof. Dr. Talat Naseer Pasha, Vice Chanveller | (Patron) |
| 2. Prof. Dr. Muhammad Ashraf | (Chief Editor) |
| 3. Dr. Noor Khan | (Editor) |
| 4. Dr. Muhammad Hafeez-ur-Rehman | (Member) |
| 5. Mr. Muhammad Akmal | (Member) |
| 6. Dr. Zahid Yaqoob | (Member) |
| 7. Mr. Shahid Iqbal Sindhu | (Member) |
| 8. Mr. Basharat Ali Khan | (Photographer) |
| 9. Mr. Sohail Abbas | (Art Designer) |

Office Secretariat:

Department of Fisheries & Aquaculture, UVAS Lahore-Pakistan

Email Address: noorkhan@uvas.edu.pk

mhafeezurehman@uvas.edu.pk