NEWSLETTER

Forestry, Environment and Wildlife Department
GOVERNMENT OF KHYBER PAKHTUNKHWA

Chief Patron: Hakim Shah
Director General

Consolidated Issue
July - December, 2018

Editor: Syed Muhammad Ali
Extension Specialist

PLANT FOR PAKISTAN DRIVE

Dr. Mamoona Wali Muhammad, Director, Forest Education Division

Mr. Istiaq Urmar, Minister for Forestry, Environment and Wildlife Department, Government of Khyber Pakhtunkhwa presenting shields to participants of the event

In connection with the Plant for Pakistan initiative a graceful event was held on Sunday 2nd September, 2018 at Pakistan Forest Institute (PFI) jointly organized by Forest Department, KP and PFI. The faculty, forestry students and administration actively participated in the event and showed their firm commitment to increase the forest cover to international standards and reduce the adverse effects of Climate Change. Mr. Siddique Khan Khattak, CCF speaking on the event ensured that the Forest Department will continue it's efforts to increase the green cover of the province. Honorable Mr. Ishtiaq Urmar, Minister for Forestry, Environment and Wildlife Department, KP initiated the Plant for Pakistan Drive by doting the plant seedling. Later on Mr. Masud Ahmad, Additional Secretary KP Environment Department; Mr. Hakim Shah, DG PFI, Mr. Siddique Khan Khattak, CCF; Mr.Safdar Shah, CC-WL, Mr Shafqat Munir, CF; Dr Mamoona, Director Forest Education Division; PFI staff and Forestry Students all planted tree species in the premises of PFI. The presence of Mr. Arbab Sher Ali, MNA and Mr.Peer Fida, MPA also showed the strong assurance of government for development of Forestry in the country.

NESTING ON EUCALYPTUS TREE

Muhammad Ali, Extension Specialist

Usually it is said that birds do not make nests on Eucalyptus tree. It is amazing that a nest of *Milvus migrans* (Black Kite) local name "Cheel" was found on the tall Eucalyptus tree in the premises of Peshawar Zoo It reflects that Eucalyptus in becoming part of biodiversity of Pakistan by adopting to the marshy and saline lands, providing feed to the honey bees in winter thus promoting apiculture; and now resulting nesting and perching facilities for the birds across the country.

Nesting on Eucalyptus Tree

Contact: Editor Newsletter, Pakistan Forest Institute, Peshawar

Phone: 091-9221369
Email: es@pfi.gov.pk

NAVAL OFFICERS VISITED PFI

Muhammad Ali, Extension Specialist

Naval Officers from Inspectorate of Naval Stores, Karachi visited Pakistan Forest Institute, Peshawar on Friday, 16th November, 2018. The officers visited PFI Museum and were inspired with the role of forests in social and economical aspects of the community development. Appreciated presentation and maintenance of the Museum. Also throughly observed the activities relating to wood identification, wood mechanics laboratories. Appreciated the pulp and paper chip board and other composite wood processes relating to wood utilization. The wood seasoning techniques were also explained in DFPRD by different officers. The delegation showed interest in collaboration and cooperation in different perimeters of the wood related processes the DFPRD is performing for the national cause.

FOUR DAYS TRAINING COURSE ON "APPLICATION OF GIS, DGPS AND GPS IN FORESTRY" ORGANIZED UNDER CARBON STOCK ASSESSMENT OF FORESTS OF KHYBER PAKHTUNKHWA (CSAFKP-PFI)

Aamir Shakeel, GIS Specialist

Pakistan Forest Institute (PFI), Peshawar is executing a project titled "Carbon Stock Assessment of Forests of Khyber Pakhtunkhwa (CSAFKP). The overall aim of the project is to establish a robust and reliable baseline for carbon stocks in different forest types of Khyber Pakhtunkhwa. Capacity building of Forest Officers and other stakeholders in utilization of GIS and GPS is an important component of this project. Under this project, a training course on "Application of GIS, DGPS and GPS in Forestry" was organized on December 26-29, 2018 at PFI, Peshawar. Under this training course, Twenty Seven (27) participants who included Field Officers in the ranks of DFO/SDFO/RFO and GIS related staff from Gilgit-Baltistan, Khyber Pakhtunkhwa, Punjab and Sindh attended different sessions on utilization of GIS, DGPS (Differential Global Positioning System) and GPS in forest and

Opening Remarks by Director General PFI

Demonstration of Differential GPS (STONEX S10)

Practical Demonstration of Differential GPS (STONEX S10) in Garhi Chandan

other landuse mapping. The most important feature of this training was practical demonstration of Differential Global Positioning System (DGPS) in field. One day field visit to Garhi Chandan (BTAP Plantation site) was also organized for practical demonstration of DGPS in the field.

Group photo of training participants in field (Garhi Chandan)

Group photo of training participants with DG-PFI

VISIT OF FORESTERS & FOREST GUARDS CLASS

Muammad Ali, Extension Specialist

Class of Foresters and Forest Guards courses Khyber Pakhtunkhwa Forest School, Thai, Abbottabad visited Pakistan Forest Institute, Peshawar on 11th December, 2019 and Muhammad Ali, Extension Specialist received the class on main entrance of PFI at 9:00 AM. Visit in PFI Museum was conducted and trainees were briefed about different information relating to Forest Products, Diseases, Insects etc. Information about Wildlife distribution, Watershed Management and effect of forests on natural resources and explained through models fossils in the PFI Museum. The Forest Products Research Laboratories were visited and lectures relating to wood anatomy, wood mechanics, wood processing and working were delivered by concerned officers. Composite wood, wood seasoning, seasoning kiln, pulp and paper were explained in detail so that the trainees may have basic knowledge about the subjects. Visit to the Botanical Garden and Medicinal Plants Farm was conducted where the trainee staff was briefed about the varieties, identification and economic and medicinal values of herb, shrubs and trees.

IMPORTANCE OF INSECT CONSERVATION

Naveed Ahmad, Assistant Forest Entomologist

Insects are one of the most important groups in the natural world. They affect the life and welfare of humans in many different ways. Insect create the biological foundation for all terrestrial ecosystems. The cycle nutrients, pollinate plants, disperse seeds, maintain soil structure and fertility, control populations of other organisms, and provide a major food source for other taxa. The conservation of insect diversity is therefore a topic of global importance.

Insect survey and collection provides information of their distribution in various ecological zones and the presence of natural enemies forecasts the natural balance in a particular area. The information also determines insects of economic importance in relation to forestry and leads to investigation on their management.

There is need to collect all types of insects and their natural enemies for monitoring, forecasting and timely application of control measures. Keeping in view the importance of insect conservation, PFI has started the imitative through a development scheme "Strengthening and Upgradation of Forest Entomological Research through Integrated Pest Management" in which a large number of insects has been collected and identified from different ecological zones of Pakistan.

ACCESS TO HEC DIGITAL LIBRARY PROVIDED TO RESEARCHERS AND STUDENTS OF PFI UNDER SUSTAINABLE FOREST MANAGEMENT PROJECT

Anwar Ali, Forest Mensuration Officer/Focal Person SFM Project

Access to HEC digital library provided to researchers and students of PFI under Sustainable Forest Management Project HEC National Digital Library is a programme to provide researchers and students of public and private universities in Pakistan and non-profit research and development organizations with access to international scholarly literature based on electronic (online) delivery, providing access to high quality, peer-reviewed journals, databases, articles and e-Books across a wide range of disciplines. The e-books support programme will allow researchers to access most of the important text and reference books electronically in a variety of subject areas. Around 75,000 number of electronic content has been made available through the Digital Library Programme.

SFM Project provided access to HEC Digital Library at Pakistan Forest Institute to enable the faculty, researchers and students to access latest books and journals on forestry, environment and biodiversity. For this a special corner has been established at the Central Library of PFI which has been provided with a fast speed dedicated internet connection, a server and six computer systems. Besides, home-based access is also being provided to students, faculty and researchers to access HEC Digital Library from their PCs and Laptops at main campus and hostels.

INSTALLATION OF LEDS IN PFI CLASS ROOMS UNDER SUSTAINABLE FOREST MANAGEMENT PROJECT

Anwar Ali, Forest Mensuration Officer/Focal Person SFM Project

In order to upgrade teaching facilities at Pakistan Forest Institute, Sustainable Forest Management Project provided LED screens to enable teachers and students to have latest audio-visual systems for teaching and training at PFI. All the class rooms are now equipped with 55" LED Screens which are being used for power point presentation, display of pictures and documentaries related to forestry education and research.

A DISTINGUISHED ACADEMIC ACHIEVEMENT

Syed Said Badshah Bukhari, a retired PAS officer, former Director General, PFI and Secretary, Forest, Environment and Wildlife Department, having the honour of fourteen Master degrees in different subjects with multiple distinctions to his credit, has the latest distinction to complete his PhD degree in Environmental Sciences from University of Peshawar (UoP). His research work on "GROWTH RESPONSE OF DEODAR (*Cedrus deodara*), BLUE PINE (*Pinus wallichiana*) AND CHIR PINE (*Pinus roxburghii*) TO CLIMATE CHANGE IN GALIES FOREST DIVISION ABBOTTABAD" was supervised/co-supervised by Prof. Dr. S. Shafiqur Rehman and Prof. Dr. Noor Jehan, Depertment of Environmental Sciences, UoP. His major research findings about the climate change included increase in temperature on inter-annual and seasonal basis and erratic changes in precipitation at the locality, while its impacts on the growth of the three forest trees was a decrease in the tree ring-width. These findings are in conformity with global and regional findings on the same themes. The research work has important recommendations for forest managers and other stake-holders to factor in the findings of the research in planning and management of these forests.