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PSF NEWS

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From the Chairman



March—The Month of Resolve and Commitments
March is the month in which we not only celebrate Pakistan Day to renew our national commitment and resolve for development and stability of our motherland, but three important International Days also fall in this month that also need our due attention. These International Days include World Wildlife Day on March 3, International Day of Forests on March 21 and World Water Day on March 22. All these international days are interlinked as wildlife and forest protection and water conservation are part and parcel of each other's survival as well as existence of mankind on this planet Earth. The present day world is facing persistent challenges of climate change, global

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Every Discovery Creates New Questions Leading to Further Research: Dr. Nargis Mavalvala



L to R : Prof. Dr. Muhammad Akram Shaikh, Member Science PSF, Prof. Dr. Muhammad Ashraf, S.I., Chairman PSF Mr. Fazal Abbas Maken, Secretary, MoST, Dr. Shaukat Hameed Khan, Coordinator General, COMSTECH and Dr. Ashfaq Ahmad, Director NCP during the inaugural session of the lecture on March 17, 2016 at PSF.

PSF is working for better future of science and technology (S&T) in the country and promote science at grass-root levels by organizing different activities to create young scientists for steering the nation towards socio-economic development and prosperity, said Secretary S&T Mr. Fazal Abbas Maken.

He was speaking as the Chief Guest at a Popular Science Lecture titled "Detecting Gravitational Waves; Now we can hear the Universe" by Dr. Shaukat Hameed Khan, Coordinator General, COMSTECH and on

"Gravitational Waves-From Prediction to Detection" by Dr. Ashfaq Ahmed, Director, National Center for Physics. The event was organized by PSF on its premises under its popular science lecture series. The Secretary MoST appreciated the role of PSF in organizing a valuable lecture on the recent discovery in the world which is the major breakthrough in the field of Astrophysics.

A large number of students, teachers and scientists from various scientific institutions of the twin cities attended this interactive lecture. At present,

the discovery of gravitational waves, predicted by Albert Einstein in 1916, is the most famous scientific achievement. The most important aspect of this discovery is the involvement of a Pakistani Scientist Dr. Nergis Mavalvala, Professor at Massachusetts Institute of Physics, USA. She is one of the key researchers who detected gravitational waves.

Dr. Nargis also interacted with the scientific community through video link and shared his educational background and experiences in Pakistan with the audience. She also

Progress linked to strong science education at school level: PSF Chairman



Wildlife protection vital to food security, water scarcity, says Dr. Ashraf



PASTIC Highlights Role of IPRs in Promotion of S&T in Multan



From the Chairman

warming, natural calamities and food security etc only due to our indifference and callous attitude towards conservation of wildlife, forests and water. The natural resources including wildlife, forests and water are the gifts of Almighty Allah but we are fast depleting these resources to fulfill our greed. The sustainable use of these natural resources is the only guarantee for survival of human being. The wildlife including animals and plants is not only an important source of our food but many other necessities of life such as medicines and shelter etc. Wildlife maintains a balanced eco-system as created by Almighty Allah for existence of this planet Earth through check and balance. The forests are essential for wildlife including human-being's existence through provision of food and shelter. Forests are also vital for balanced climate and rains, the natural source of water, the most essential commodity for life. Deforestation is giving birth to national calamities like droughts and desertification and land sliding etc. It's not only our national duty to ensure sustainable use of these precious natural resources but also our global and religious responsibility for survival of life on Earth. On Pakistan Day i.e. March 23, we must also make our resolve and commitment for practical steps towards conservation of wildlife, forests and water as only through their conservation we will be able to achieve the national and international targets on sustainable basis. March is the month of practical march towards overcoming global challenges of climate change, water scarcity and global warming etc.



Mr. Fazal Abbas Maken, Secretary, MoST and Prof. Dr. Muhammad Ashraf, S.I., Chairman PSF, speak to the audience at the lecture.

briefed the audience about the discovery, and her role in the team who worked for this milestone discovery. In her closing remarks, she thanked PSF and MoST for efforts to organize such activities. These lectures will help popularize the new discovery in the field of Astrophysics and motivate Pakistani scientific community to achieve excellence in S&T, she maintained. Dr. Mavalvala said that every discovery creates new questions and we have to find their answer and for this we need consistent research.

Prof. Dr. Muhammad Ashraf (S.I.), Chairman PSF, said that PSF in the coming years has

envisioned greater interaction between researchers and industry for commercialization of research results and indigenous technology development, improved agricultural practices/capacity building of farmers for enhancement of agriculture production and food security in Pakistan, motivation of youth towards S&T, promotion of innovative projects by young scientists/ participation of students at international forums, establishment of Science Centers & Museum, Strengthening of Research & Display activities of PMNH, enhanced electronic connectivity of PSF with

scientific community through automation of research activities, propagation of science through print & electronic media, declaration of PASTIC as National Repository of all S&T publications of the country / Optimum usage of ICTs for information retrieval and dissemination and international linkages with Foundations, Academies, Science Centres, Museums & International bodies around the world. Dr. Ashraf also talked to Dr. Nergis and invited her to visit Pakistan to share her ideas and achievements with the Pakistan Scientific community and students.

“5th Invention to Innovation Summit-2016”

Progress linked to strong science education at school level: PSF Chairman



(L to R) Dr. Mirza Habib Ali, Team Leader, R&D-Industry Programme, PSF, Prof. Dr. Akram Shaikh, Director General PASTIC, Prof. Dr. Amir Ijaz, Director, ORIC, PU, Prof. Dr. Mujahid Kamran, Vice Chancellor, PU, Prof. Dr. Muhammad Ashraf, Chairman, PSF Prof. Dr. Hasan Sohaib Murad, Rector, UMT, Mr. Abid H. K. Sherwani, CEO, IRP at 5th Invention to Innovation Summit-2016 at University of the Punjab, Lahore on March 2, 2016.

PSF Chairman Prof. Dr. Muhammad Ashraf while addressing at the inaugural session of 5th Invention to Innovation Summit-2016 on March 2, emphasized the need for scientific education at school level. He assured sound scientific developments if we equipped our young children with the basics of science. He referred to the Vision 2025 of Government of Pakistan to develop future scientists from the school children. “The Science Talent Farming Programme is initiative of the

Quote of the Month

The wealth of the nation is its air, water, soil, forests, minerals, rivers, lakes, oceans, scenic beauty, wildlife habitats and biodiversity... that's all there is. That's the whole economy. That's where all the economic activity and jobs come from. These biological systems are the sustaining wealth of the world.

-- Gaylord Nelson



Prof. Dr. Muhammad Ashraf, Chairman PSF delivering talk during Inaugural Session of 5th Invention to Innovation Summit, 2016

Government of Pakistan wherein every student would get full funded scholarship from intermediate level to Doctoral Studies irrespective whether he/she studies in Pakistan or abroad with the condition that the student should become the future scientist", he added. Moreover, he encouraged scientists to harness funds through exotic funding from the international organizations. The Pakistan Science Foundation has established links to facilitate scientists for obtaining exotic funding from abroad through the research projects jointly funded by PSF and international organizations, he said. He encouraged and appreciated the organizers of the events and urged University of the Punjab & IRP to continue this annual activity for strengthening Industry-Academia Linkage in Pakistan. The 5th Invention to Innovation Summit-2016 was

held at Center for Undergraduate Studies, University of the Punjab, Lahore. Hundreds of public and private sector institutions displayed their indigenous technologies, varieties, products, processes, posters presentations and documentaries etc under one roof in the two days "Summit. It is an annual activity of PSF under its R&D-Industry Programme in collaboration with Pakistan Scientific & Technological Information Center (PASTIC), University of the Punjab and Institute of Research Promotion (IRP). Dr. Mujahid Kamran, Vice Chancellor, University of the Punjab, termed knowledge as basic pillar of success for the nations. He urged researchers to keep their devotion intact with the research and the generation of new knowledge. Mr. Abid Sherwani, CEO, IRP briefed the participants about the journey of the series of

summits, he dreamed way back in 2012. Prof. Dr. Amir Ijaz, Director, Office of Research Innovation & Commercialization (ORIC), University of the Punjab, Lahore enlightened the participants about the success stories of the Summits organized in the previous years.

Fifteen different workshop sessions of industry, academia & R&D experts have been arranged in this summit from different technology sectors such as Food Safety and Standards for Hotels & Restaurant Industry, Technologies for Mineral-Based Chemicals and Material, Live Stock & Dairy, Technologies for Electrical and Communication, Business Plan Competition, Food Processing Technologies, Technologies for

Agriculture Engineering, Pre-Harvesting Technologies for Agriculture Sector, Social Sector Innovation-Processes, Models and Marketing Ideas and Technologies Dyes & Pigments etc. Pakistan Science Foundation would also hold a session on "PSF Fund Winning Opportunities for Academia and Industry" at Al-Razzi Hall at Center for Undergraduate Studies, University of the Punjab, Lahore to guide researchers about how to make effective proposals and win funds.

The industrial issues identified during this summit will be taken up jointly by Pakistan Science Foundation, Academia and the Industry. The most innovative technologies, finalized by the panel of judges, were honoured with the Innovation Award.



Prof. Dr. Muhammad Ashraf being briefed by Dr. Tayyab Hassain Director CEMB during his visit of CEMB stall at exhibition

Project Formulation Workshop at GCU Lahore Organized Under NSLP

PSF organized a two-day at Government College Project Formulation Workshop University (GCU), Lahore on



PSF Chairman Prof. Dr. Muhammad Ashraf (S.I.) chairs inaugural session of a two-day Project Formulation Workshop at GCU Lahore.

March 30-31, 2016. Prof. Dr. Muhammad Ashraf, (S.I.), Chairman, PSF, Prof. Dr. Hassan Amir Shah (S.I.), Vice Chancellor, GCU, Lahore, Dr. Mirza Habib Ali, Director Research Support, PSF and Prof. Dr. Shafiq-ur-Rehman, Dean, Kohat University of Science and Technology were present at the inaugural session.

Dr. Mirza Habib Ali briefed the participants about the aims and objectives of the Workshop.

The PSF Chairman spoke about the Foundation's achievements and importance of its Natural Sciences Linkage Program (NSLP) in uplifting quality of life and well-being of farmers in the country. He also explained the process of funding under the program. He said that PSF's process of funding is very well established and has evolved through decades.

Prof. Dr. Hassan Amir Shah (S.I.) appreciated PSF for



PSF Chairman Prof. Dr. Muhammad Ashraf (S.I.) speaks at the inaugural session of a two-day Project Formulation Workshop at GCU Lahore.

organizing the workshop. He said that such initiatives would enable researchers throughout

the country to utilize all the resources for national development and enhancing

capacity of the agricultural sector in Pakistan.

During the Technical Session on the first day Dr. Mirza Habib Ali delivered a lecture on "Introduction to Funding Mechanism under PSF-NSLP". Dr. Shafi-ur-Rehman delivered a lecture on "Preparing a Proposal" and explained every component of the proposal including idea, concept, literature

review and objectives etc. Dr. Shafi-ur-Rehman and Dr. Mirza Habib Ali discussed some of the selected good project proposals that had won the financial assistance from PSF.

On the second day of the Technical Session covered a group activity on "Assessment of the Proposals provided by PSF" and guidelines for review of proposals.

PSF Completes Survey of High School Labs in 5 Districts

PSF is actively engaged in promotion and popularization of science in the country. In addition to providing support

to the universities for scientific research, PSF has been arranging a number of activities including science fairs and exhibition, travelling expos, essay competitions, training on inquiry based science education, strengthening of science labs for science promotion at grass

roots level. In this regard the Foundation has established a network of its nine science caravan offices and centers across the country. PSF is conducting a survey of at least four districts from each of the provinces for strengthening and up-gradation of high schools' labs. Data about

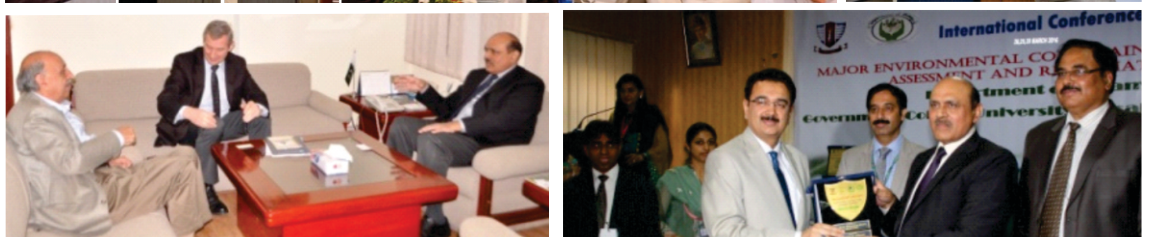
status of the labs of government sector high schools will be used for preparation of a PSDP project for strengthening of science labs in schools. In this regard, survey of district Ghotki, Jaffarabad, Quetta, Karachi and Charsadda has been completed.

20 Teachers of Islamabad Trained on IBSE



PSF organized a teachers training session on Inquiry-Based Science Education (IBSE) at EFA School System, Islamabad on March 04, 2016, which was participated by 20 teachers from EFA School and surrounding area schools. Ms. Zaiban Farooq, AD, PSF explained the IBSE concept to the participants. Later on, some hands on activities related to physical chemistry and biology were performed. Mr. Asadullah also guided the teachers and students while performing these activities under IBSE.

The PSF Science Caravan Federal Unit also arranged a science exhibition at EFA School System, Islamabad on March 2-4, 2016. The exhibition was visited by 450 students, teachers from two schools.



News Pictures

Pakistan Museum of Natural History (PMNH)

Editor: Dr. Muhammad Ismail Bhatti

World Wildlife Day Celebrated at PMNH

Wildlife protection vital to food security, water scarcity, says Dr. Ashraf Judicious use of natural resources can do miracles in national economy: South Korean Ambassador

Judicious use of natural resources including our wildlife can do miracles to overcome environmental and climate change problems, said Ambassador of Republic of South Korea H.E. Dr. Song Hong Hwan while addressing a function at Pakistan Museum of Natural History (PMNH) in connection with World Wildlife Day celebrations.

PMNH in collaboration with Ministry of Science and Technology, PSF, Ministry of Climate Change, US Embassy and Snow Leopard Foundation arranged different activities to celebrate the World Wildlife Day on March 3, 2016 to raise awareness among masses about the benefits that conservation provides to people. A large number of students, their teachers and scientists from different organizations attended the celebrations.

Ambassador of Republic of South Korea H.E. Dr. Song Hong Hwan was the Chief Guest on this occasion. Syed Mehmood Nasir, I.G. Forests, Ministry of Climate Change, Mr. Christopher from US Embassy, PMNH Director General Dr. M.K. Leghari and

other dignitaries were present on this occasion.

He said it is my dream to see Indus River miracle by protection of this vital source of sustained life. He said a slight change creates large effect on the whole ecosystem as there is interactive effect of different living things. "If the ecosystem is balanced and sustained, our life is sustained," he added.

He appreciated PMNH team for organizing such an important event to sensitize people on wildlife conservation.

Chairman Pakistan Science Foundation (PSF), Prof. Dr. Muhammad Ashraf while addressing the World Wildlife Day celebration said that we have to protect our wildlife to overcome the issues of food security, water scarcity and climate change as our future hinges on our these natural resources for a sustained life.

He quoted the example of South Korea which is making good use of natural resources. He said South Korea is very neat and tidy country as flowers and vegetables can be seen grown even along roads but in Pakistan the fertile land is lying barren.



(Left to Right) Dr. M.K. Leghari, Director General, PMNH, Dr. Muhammad Ashraf (S.I.), Chairman PSF, H.E. Dr. Song Jong Hwan, Ambassador Republic of Korea, Mr. Christopher, Representative US Embassy, Islamabad, Mr. Syed Mahmood Nasir, Inspector General Forests, Ministry of Climate Change on inaugural ceremony of World Wildlife Days at PMNH on March 3, 2016 at PMNH.



Chief Guest H.E. Dr. Song Jong Hwan, Ambassador of Republic of Korea and PSF Chairman Prof. Dr. Muhammad Ashraf address the inaugural session of the workshop.

Earlier, Dr. M. Ali Nawaz, Country Director, Snow Leopard Foundation, talking about importance of the day, said World Wildlife Day is celebrated to sensitize world community on danger to wildlife and efforts for its conservation. He highlighted some of the dangers to wildlife such as deforestation, poaching and hunting etc. He said it is duty of all of us to make collaborative efforts against illegal trade of wildlife and we should totally reject it. Students presented a tableau on

wildlife hunting. A documentary was also screened to highlight wildlife around us. An Awareness Session with Future Defenders of Wildlife, Open Discussion with Wildlife Experts and Interactive Question Answer Session as well as "Commitment Wall" Signing with messages and photographs to support the wildlife conservation cause by different dignitaries and participants were also part of the Wildlife Day celebrations at PMNH.



Chief guest H.E. Dr. Song Jong Hwan, Ambassador Republic of Korea signing Wall of Commitment



Dr. Muhammad Ashraf, Chairman PSF presenting Ixobrycon model to Chief Guest H.E. Dr. Song Jong Hwan



Schoolchildren performing a tableau on World Wildlife Day at PMNH



The panel of experts named "Future Defenders of Wildlife" sitting on the stage and answering to questions by the audience.

Pak Experts Participate in 4th World Congress of Biosphere Reserves in Lima-Peru

The 4th World Congress of Biosphere Reserve (4th WCBR) was held at Lima Peru from March 14-17, 2016. It is a world meeting of the National MAB Committees of UNESCO's Man and the Biosphere Program (MAB) and experts directly involved in the practical implementation of biosphere reserves including representatives of governments, biosphere reserves, local communities, UN agencies, NGOs, academic

institutions, and organizations and institutions from all over the world. The first objective of this high level congress was to review the implementation of the Madrid Action Plan for Biosphere Reserves 2008-2013, the Seville Strategy and the Statutory Framework of 1995. The second objective was to assess the lessons learned and the new challenges to be faced by the World Network of Biosphere Reserves. The third objective

was to develop and launch a Biosphere Reserves Action Plan for 2016-2025. This event brought together 1200 representatives of biosphere reserves from 120 countries. A six-member delegation from Pakistan also participated in 4th WCBR. The delegation comprised members of National MAB Committee including Dr. Muhammad Rafique Country Focal Person for MAB Pakistan/Secretary National MAB Committee

Pakistan; Dr. Manzoor Hussaun Soomro, President, ECO Science Foundation; Mr. Farhat Ali Mir, Secretary Forests Wildlife and Fisheries AJK; Mr. Ashiq Ahmed Khan, Scientific Representative, EvK2CNR and Biosphere Reserves Manager from Lal Suhanra Biosphere Reserve. Dr. Muhammad Rafique delivered a presentation entitled "Review of Biosphere Reserve in the context of Lal Suhanra Biosphere Reserve".

Efforts on to Establish Field Museum in Salt Range

PMNH Earth Science Division (ESD) is working on establishment of a field habitat Museum at some suitable location of Salt Range. For this purpose ESD scientists including Dr. Ghazala Roohi, Director ESD, Dr. Ghazala Shaheen, Curator ESD and Mr. Hamad-ur-Rahim, Research Associate ESD, conducted a field survey on March 29-31, 2016 to assess feasibility of the project. They held meetings with the



Executive District Officers (Education) of Mianwali, Khushab and Chakwal. The team also did survey of the schools (Govt Comprehensive Model School Mianwali, Govt



Girls Model High School Jauharabad, Govt Technical Model High School Jauharabad and Govt Girls High School No 1 Chakwal located in these three regions.



The local administration appreciated the initiative of PMNH to create awareness and understanding about the wealth of natural resources located in their region.

French Archaeologist Visits PMNH

A French Archaeologist Dr. David Sarmiento-Castillo, M A F B I - F r e n c h Archaeological Mission in The Indus Basin, Pakistan and University Paris 1 Pantheon Sorbonne-CNRS, who was in Pakistan to attend a Workshop titled "Pakistan Alive with Archaeology-Training Courses in Documentary Engineering for Archaeology" visited PMNH on March 4, 2016. The

workshop was organized by Taxila Institute of Asian Civilizations, Quaid-e-Azam University, Islamabad in collaboration with: MAFBI-French Archaeological Mission in The Indus Basin,



Pakistan and University Paris 1 Pantheon Sorbonne-CNRS. Dr. Ghazala Roohi, Director, ESD and senior scientists from sciences division received the guests. He visited different galleries of PMNH including the life size model of "Baluchitherium" and "Skeleton of Blue Whale". Dr. Roohi and other scientists briefed them about the displays. Different displays

especially minerals diorama, dimension stones, vertebrate and invertebrate fossils attracted the attention of French Archaeologist. Dr. David gave a presentation on his research work at Chanhu-jodaro Excavations 2016 under the umbrella of Pakistan-France Archaeological Cooperation in Sindh. Senior Scientists of PMNH attended the presentation.

6,170 Persons Visit PMNH under Educational Programs in March 2016

A total number of 6,170 persons including 1,267 students, 2,900 general public, 13 foreigners and 1,990 children under-12-years of age visited the museum galleries in March 2016 under the PMNH educational programme. The student groups from the main educational institutions that visited PMNH this month included Roots International School Islamabad, Hazara Public School and College Haripur, Fatima Jinnah Girls



College Kamoke Gujranwala, Govt. Islamia High School No.04 Rawalpindi, COMATS Institute of Information Technology Islamabad, Botany Department University of Peshawar, University of Haripur, Jinnah College Shahkot, Govt.



Degree College Naguman Peshawar, National College of Learning Islamabad, Create Beginnings School System Islamabad, Govt. College Chiniot, G.C University Lahore and Govt. Degree College Nushki Balochistan.

Research Study Published

A detailed study on pollens of Genus *Draba* L from Pakistan was carried out by PMNH scientist Dr. Syed Aneel Ahmed Gilani along with other scientists from different research organization. The study was published in the form of article titled "Palynological Studies of Genus *Draba* L. (Brassicaceae) From Pakistan". BAOJ Biotech 2016, 2: 2 (2: 009). BAOJ Biotech, an open access journal Volume 2; Issue 2; 008.

Pakistan Scientific & Technological Information Centre (PASTIC)

Editor: Mrs Rahila Khurram

PASTIC Highlights Role of IPRs in Promotion of S&T in Multan

PASTIC Sub-Centre Faisalabad in collaboration with the Muhammad Nawaz Shareef University of Agriculture, Multan (MNSUAM) and IPO-Pakistan organized a one-day workshop titled "The Role of Intellectual Property Rights (IPRs) in Promotion of Science and Technology" at MNSUAM, on March 22, 2016.

The workshop was aimed at



Prof. Dr. Muhammad Akram Shaikh, Director General, PASTIC attending the workshop

orienting the faculty members about the basic of IPRs and the essentials for its protection. Over 60 participants including Deans, Directors and senior faculty members attended the workshop and learned about the importance of IPRs, copyrights, trademarks, patents, industrial design, trade secrets, drafting and filling of patent application.

Prof. Dr. Zulfiqar Ali, Director ORIC-MNSUA welcomed the participants and Prof. Dr. Muhammad Akram Shaikh, Director General,

R&D Organizations. The Chief Guest of the workshop Prof. Dr. Asif Ali, VC, MNSUA, shared his views about significance and requirements for such activities. He appreciated the efforts of PASTIC & Islamic University of Bahawalpur in arranging the activity.

Mr. Zahoor Ahmad, IPO-Pakistan gave a detailed presentation on Importance of Patent Information for Researchers (Drafting & Filing Process of Patents). Ms. Asma Tanveer, Asma Law Associates focused her presentation on Cyber & Software related Intellectual Property Issues.



Muhammad Hasnain, Deputy Director (STI), Faisalabad Sub-Centre, receiving a shield from the Chief Guest of Workshop



Prof. Dr. Muhammad Akram Shaikh, Director General, PASTIC meets Dean, Faculty of Veterinary Sciences, BZU, Multan.

65 Researchers of Karachi Universities, R&D Organizations Sensitized on IPRs

PASTIC Sub-Centre, Karachi in collaboration with Office of Research and Graduate Studies, Aga Khan University, Karachi (AKU) at organized a one-day seminar on "Emerging Importance of Intellectual Property Rights (IPRs) in Knowledge Society" AKU, Karachi on March 09, 2016.

The objective of the seminar was to create awareness amongst the researchers about the IPR system, its benefits and essential requirements for its protection. A total of 65 participants including researchers from University of

Karachi, AKU, PCSIR and R&D organizations attended the seminar.

Prof. Dr. El-Nasir Lalani, Dean of Research and Graduate Studies, AKU, welcomed the participants and appreciated the efforts of PASTIC and PSF. Prof. Dr. Muhammad Akram Shaikh, Director General, PASTIC/Member Science, PSF briefed the participants about PASTIC activities.

Prof. Dr. Muhammad Ashraf, Chairman PSF, Islamabad was the Chief Guest of the seminar. He focused on the contribution of PSF in the



Prof. Dr. Muhammad Ashraf, Chairman, PSF, awards a shield to Prof. Dr. El-Nasir Lalani, Dean of Research and Graduate Studies, Aga Khan University, Karachi education and development shared his experience about IPR.

PFI Faculty Members Trained on Patents Application Filing System

PASTIC Sub-Centre Peshawar in collaboration with Pakistan Forest Institute (PFI) Peshawar and IPO Pakistan organized a one-day workshop on "Intellectual Property Rights (IPRs): Drafting and Filing of Patent Application" at PFI Peshawar on March 15, 2016.

The objective this workshop was to make the faculty members aware of the importance of IPR and share experiences about drafting and filling of patent application.

Dr. Mamoon Wali Muhammad, Assistant Professor, PFI

Peshawar, welcomed the participants. Mr. Hakim Shah, Director General PFI, Peshawar, was the Chief Guest on this

occasion. He shared his views about significance and requirement for such activities. He appreciated the efforts of

PASTIC and IPO Pakistan for arranging this activity. He asked PASTIC to arrange more collaborative activities on regular basis at PFI-Peshawar.

Prof. Dr. Akram Shaikh, Director General, PASTIC in his address talked on PASTIC/PSF programmes for researchers throughout the country. Mr. Zahoor Ahmad, Patent Examiner, in IPO-Lahore, Pakistan and Hina Allauddin, Lecturer at Law College, University of Punjab were the resource persons of the workshop.



Group Photo of the Workshop participants

200 Students Made Aware of PASTIC Services through 2 Seminars

PASTIC National Centre, Islamabad, arranged two awareness seminars to make students aware of its information services. The first seminar was organized at University of Engineering & Technology, Taxila on March 17, 2016, which was attended by over 100 students and faculty members. The second seminar was held at Fatima

Jinnah Women University Rawalpindi on March 22, 2016, which was also attended by over 100 students.

In both the seminars Mrs. Kausar Sohail, Senior Scientific Information Officer, PASTIC, delivered presentations on PASTIC Information Services for the students. Mr. Obaid Anwar, Senior Scientific Information

Officer, PASTIC, gave briefing on Document Supply

Service of PASTIC.



Mr. Obaid Anwar, Senior Scientific Information Officer, PASTIC briefs students about Document Supply Service



Mrs. Kausar Sohail, Senior Scientific Information Officer, PASTIC, delivers a presentation on PASTIC at UET, Taxila

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