

Prof. Dr. Muhammad Ashraf
Chairman
Pakistan Science Foundation



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Chief Editor

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From the Chairman



Pakistanis have been ranked 4th most intelligent people across the world in a globally held survey. "Pakistanis are equal to people of developed and industrialized countries when it comes to intelligence," quoted the survey held by Institute of European Business Administration in 125 countries. The survey quantified various aspects of brilliance and intellectual work in the nations of surveyed countries. "Pakistanis outshine in field of intelligence despite dearth of required resources and opportunities," the survey commented.

Pakistan is a developing country and youth in Pakistan makes up about 35% of its total

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Workshop on Understanding and Regulating Halal Food at MoST Minister calls for proactive information system on Halal foods business

Ministry of Science and Technology (MoST), PNAC, PSQCA, PCST, Pakistan Science Foundation and South African National Halaal Authority (SANHA) jointly organized a one-day training workshop on "Understanding and Regulating Halal" at the MoST on May 25, 2015.

Mr. Kamran Ali Qureshi, Secretary, MoST, inaugurated the workshop. Prof. Dr. Muhammad Ashraf, Chairman PSF also attended the inaugural and closing sessions of the workshop.



Mr. Rana Tanveer Hussain, Federal Minister for S&T, addresses the concluding session of the workshop on "Understanding and Regulating Halal" at the MoST on May 25, 2015.

Dr. H. U. Khan, CSO and Dr. Halaal and Haram in the light of Quran and Sunnah was briefed to the participants. Responsibility of Muslim Government in regulating Halal technical experts of SANHA. In the training session, concept of

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CM lauds PSF for promotion of science in Balochistan

Pakistan Science Foundation at Ahmad Girls High School at Quetta on May 26-28, 2015 to promote scientific concepts in the Balochistan province.

Foundation Balochistan Chapter

Dr. Abdul Malik Baloch, Chief



Dr. Abdul Malik Baloch, Chief Minister Balochistan, inaugurates the Science Exhibition at Govt Ahmad Girls High School, Quetta.

Minister Balochistan, was the Chief Guest at the inaugural ceremony of the Exhibition. Mrs. Rahila Durrani Member Provincial Assembly Balochistan and Mr. Younis Baloch Deputy Mayer Quetta were also present on this occasion.

PSF's Science Caravan Quetta Unit participated in the Exhibition by arranging planetarium shows. Seventeen girls schools with their models participated in the Science

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From the Chairman

population. In the midst of crunching times, when the country is facing severe issues such as terrorism, economic crisis, target killings and disunity, the burden to take the country out of the whirlpool is upon its young people. But there is a need to properly guide them and channelize their intelligence for development of the country by providing them the required resources and opportunities.

Pakistan Science Foundation has launched various programmes for young students to provide them opportunities for expressing their talent and innovative ideas. These programmes include students participation in London International Young Scientists Forum, Intel International Science and Engineering Fair, Intra Board science exhibitions and project competitions etc. Now the Foundation has planned to create a pool of talented science students and provide them resources and opportunities so that they could be enabled to play their role in development of the nation and country through science and technology. Suggestions and ideas from the students and teachers are invited to make this programme a success. The Foundation would also welcome input in this regard from other relevant quarters.

Exhibition visited by 750 students, teachers and officers from the provincial Education Department. All the distinguished guests appreciated the idea of science exhibitions by PSF and termed the planetarium shows very informative for the students.

Mr. Tahir Mehmood Khan, Member Provincial Assembly was Chief Guest at the closing ceremony of the exhibition. He visited the stalls and Planetarium Show. Mr. Maqbool Ahmad, Assistant Director PSF, briefed the Chief Guest about the activities of PSF in the country. He appreciated the activities of

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perspective was also discussed. The speakers stressed on need for Halal Certification in Pakistan and importance of creating awareness among the public. In this daylong session, some modern manufacturing and food production methods in perspective of Halal consideration were shared. The representative from PSQCA, PCSIR, PNAC and MoST delivered informative presentation. The session was closed by obtaining feedback.



Mr. Maqbool Ahmad, AD receiving appreciation Certificate from MPA Tahir Mehmood during Science Exhibition at Quetta arranged by PEF

PSF. Mr. Munir Badini, Mr. Maqbool Ahmad was Additional Director Education awarded the certificate of participation by the chief guest. Mr. Mutib Khan, EDO Education also visited the planetarium show. At the end of the closing ceremony, the Chief Guest awarded certificates and prizes to the winner students.

Mr. Rana Tanveer Hussain, Federal Minister for S&T, was the Chief Guest at the concluding session of the workshop. He distributed certificates among the



Mr. Rana Tanveer Hussain, Federal Minister for S&T awards participation certificate to Dr. Naushaba Nadeem, PSO of PSF.

participants. Speaking on this occasion the Minister said that Halaal sector was that of the Muslim world but unfortunately 85% of OIC member countries import related to Halal food was being carried out by Non-Muslim countries. He urged the Muslim scientific community to develop its own proactive dynamic and timely public information system in order to keep the Muslims aware of sound scientific information regarding Halal.

Turkish Ambassador Calls on Chairman PSF

Pakistan Science Foundation (PSF) and Turkish Embassy in Islamabad will initiate measures for introducing Turkish low cost technology in Pakistan to benefit common man.



Prof. Dr. Muhammad Ashraf, Chairman PSF and H.E. Sadik Babür Girgin, Ambassador of Turkey, discuss scientific and technological collaboration between the two brotherly countries at PSF on May 27

H.E. Sadik Babür Girgin, Ambassador of Turkey called on Prof. Dr. Muhammad Ashraf, Chairman PSF at the latter's office on May 27, 2015. Dr. Mirza Habib Ali, PSF's Focal Person for International Linkages and Dr. Lal Sahah, Principal Scientific Officer PSF were also present on this occasion.

Dr. Ashraf apprised the Ambassador about his visit to Turkey and meetings with heads of The Scientific and Technological Research Council of Turkey (TÜB TAK) and Turkish International Cooperation and Coordination Agency (TIKA). As a

Quote of the Month

“Nothing in this world can take the place of persistence. Talent will not; nothing is more common than unsuccessful people with talent. Genius will not; unrewarded genius is almost a proverb. Education will not; the world is full of educated derelicts. Persistence and determination alone are omnipotent. The slogan "press on" has solved and always will solve the problems of the human race”. –Calvin Coolidge, 30th President of the United States of America

follow-up of these meetings, he said that PSF has sent three names of eminent scientists for the Steering Committee to implement the (MoU) of scientific collaboration between PSF and TUBITAK. Dr. Ashraf said that the names from Turkish side are being awaited. He also apprised the Ambassador about a follow-up meeting with officials of TIKA Pakistan office and progress on bio-geyser manufacturing project, which is a society-based service project.

Matters pertaining to geo-thermal project in Gilgit-Baltistan, low-cost mud-houses and solar geyser technology etc were also discussed.

H.E. Sadik Babür Girgin, showed his eagerness to initiate Pak-Turkish joint scientific projects and assured the PSF Chairman that he would extend his full support in developing and strengthening the science and technology linkages between the two brotherly countries.



Prof. Dr. Muhammad Ashraf, Chairman PSF presents the Foundation insignia to H.E. Sadik Babür Girgin, Ambassador of Turkey, on May 27, 2015.

PSF, TiKA Set to start production of bio-geyser for Northern Areas

Pakistan Science Foundation (PSF) and Turkish Cooperation and Coordination Agency (TiKA) are set to initiate a joint project titled "Pilot Scale demonstration and popularization of dual technology of Bio-Geyser with agro-waste composting" for community well-being of Northern Areas' inhabitants.

Mr. M. Giray Tezel and Mr. Onur Ozturk, Coordinator and Deputy Coordinator respectively of TiKA Pakistan office visited PSF on May 13, 2015. They held a detailed meeting with Prof. Dr. Muhammad Ashraf, Chairman PSF and discussed the country-based joint project aimed at socio-economic uplift of the Northern Areas people. Dr. Mirza Habib Ali, Focal Person



Prof. Dr. Muhammad Ashraf, Chairman PSF and officials of Turkish Cooperation and Coordination Agency discuss the country-based joint project of bio-geyser production at Pakistan Science Foundation on April 13, 2015.

of PSF for International Linkages and Dr. Lal Shah, Principal Scientific Officer, PSF also attended the meeting. The Chairman briefed the TiKA personnel about broad mandate of the Foundation for promotion and popularization of science. He also briefed them about his recent visit to Turkey and meeting with Dr. Rahman Nurdun, Head of Department

East and South Asia, Pacific and Latin America, TiKA, Turkey. Dr. Rahman Nurdun had showed keen interest in launching joint projects in Northern Areas of Pakistan to uplift socio-economic conditions of the common man. The Chairman apprised the TiKA officials about salient feature of the bio-geyser. He said this dual technology will

provide hot water for domestic use and fertilizer for agro-farming. He said plants waste will be used as fuel and the decomposed material will be used as fertilizer. He said the geyser having no smell, will be manufactured locally. Dr. Ashraf said this joint venture will be pilot project and extended to other areas of Pakistan as well. The Chairman expressed his resolve to do practical things for socio-economic development of the country through science and technology by focusing on applied sciences. Both the sides also discussed implementation and cost of the project and agreed that a roadmap to get this project materialized will be prepared as early as possible.

US Embassy Team Calls on PSF Chairman

Pak-US cooperation in science and technology discussed

Pakistan Science Foundation and US Embassy officials discussed cooperation in scientific research and promotion of science and technology on May 21, 2015. A three-member US Embassy team comprising Ms. Shai

Bista, Second Secretary, Environment, Science and Technology and Health Officer and Ms. Gul-e-Afshan, Economic Specialist called on Prof. Dr. Muhammad Ashraf, Chairman PSF to discuss Pak-

US collaboration for promotion of science. Dr. Mirza Habib Ali, PSF's Focal Person for International Linkages, also attended the meeting aimed at launching some new joint initiatives in the field of science and technology.

contribution for promotion of science in Pakistan, especially in the field of agriculture.

The matters pertaining to cooperation between PSF and US National Science Foundation, National Academy of Sciences and the Rockefeller Foundation etc came under discussion. The Embassy officials informed the Chairman that some high officials of US government are expected to visit Pakistan in early next month and their visit to PSF would be arranged for materializing the cooperation beneficial for both the countries.



Prof. Dr. Muhammad Ashraf, Chairman PSF and US Embassy team discuss collaboration in science and technology research.

Dr. Ashraf informed the US Embassy officials about the mandate and spectrum of PSF for international collaboration. He briefed them about PSF's different programs such as Research Support, R&D Industry and Natural Sciences Linkages Program (NSLP). Dr. Ashraf appreciated the US

Pakistani Student's Project Wins Special Prize in ISEF-2015 in USA

A Pakistani student Mr. Habab Idrees won special prize in the field of Energy during International Science and Engineering Fair 2015 held in USA and he was awarded with certificate and cash prize in the Grand Winners Prize Distribution ceremony held on May 15, 2015 at David Lawrence Convention Centre,

Pittsburgh, Pennsylvania-USA. As part of science promotion activities at grassroots level, Pakistan Science Foundation (PSF) in collaboration with Intel Education Pakistan organizes Science and Engineering Fairs at local, provincial, national and international levels for selection of students with outstanding scientific projects every year. In

year 2015, in national level Science Fair over 190 students showcased their projects at Islamabad at the end of January, 2015.

From the national level fairs, five projects (two groups and three individuals) prepared by nine students, were selected, through a transparent and strict process of judgment, for participation in Intel



Habab Idrees, ISEF with his project at Intel ISEF.

International Science and Engineering Fair (ISEF)-2015. The ISEF-2015 was held in Pittsburgh, Pennsylvania, USA on May 10-15, 2015, in which over 1,700 students from 75 countries participated. From Pakistan eight students with their five projects participated in it under the supervision of Dr. Pittsburgh, Pennsylvania-Ghazala Roohi, Director ESD, USA.

PMNH, Mr. Abdul Rauf, SSO, PSF and the Project Manager Intel Education Pakistan, Ms. Khadija Bashir.

Out of the eight Pakistani students Mr. Habab Idrees got special prize in the field of Energy and was awarded with certificate and cash prize in the Grand Winners Prize Distribution ceremony held on May 15, 2015 at David Lawrence Convention Centre, USA.



A group photo of Pakistani students during Intel ISEF.

Science Model Competition at GGHSS, Parial, Chakri

During the Science Caravan Exhibition at Government Girls students of GGHSS, Parial and Higher Secondary School its surrounding schools (GGHSS) Parial, Rawalpindi a Science Model Competition was organized among the students of Parial. The Model Competition was inaugurated by Dr. Naushaba Atta, Principle Scientific Officer, PSF, on May 16, 2015. In this competition students prepared 40 Models on different scientific themes. The judges evaluated the projects of students and announced best four projects. The efforts of the students were appreciated by the guests.



Dr. Naushaba Atta, PSO PSF visiting Science Model Competition at GGHSS, Parial-Chakri.

PSF arranges IBSE Orientation sessions

Science Caravan Federal Unit over 100 teachers and 40 students participated. Ms. Zaiban Farooq and Mr. Asadullah briefed the teachers about IBSE approach. Students and teachers took keen interest in hands on activities under and GGHSS, Kalas, Chakwal IBSE. The principals and teachers greatly appreciated the IBSE activities of PSF.



Glimpses of IBSE Training Sessions at GGHSS, Kalas Chakwal.

Science Caravan Activities

Federal Unit: Science Caravan Federal Unit arranged three science caravan exhibitions at the Intellectual School BharaKahu,



Students showing keen interest in Scientific models during exhibition arranged at GGHSS, Kalas-Chakwal.

Islamabad on May 6-7 at Government Girls Higher Secondary School (GGHSS) Parial, Rawalpindi on May 11-16 and at GGHSS Kalas, Chakwal on May 18-22. Over 3,450 students from 27 Schools visited these exhibitions.

Balochistan Unit: The Science Caravan Quetta Unit arranged Science Exhibition/Planetarium show on April 27 to May 25, 2015 in Quetta City, which were visited by 2,548 students from 10 schools. The Science Caravan Jaffarabad Unit arranged a walk for Science promotion at Govt. Boys High School Haq Bahoo, Usta Muhammad on May 14, 2015. Students/ teachers participated in this walk.



Student attending Planetarium Show arranged by Science Caravan Quetta Unit.



Students participate in an awareness walk arranged by Science Caravan Jaffarabad Unit.

KPK Unit: The Science Caravan Khyber Pakhtunkhwa Unit arranged science exhibitions at Girls Higher Secondary School



A view of planetarium show arranged by Science Caravan Peshawar Unit.

(GHSS), Khanpur Dir (Lower) & Kiddy Kingdom Peshawar on May 18 to May 27, 2015 and May 22, 2015 respectively. Over 2,390 students, 66 teachers from 14 schools visited these exhibitions.

Sindh Unit: The Science Caravan Sukkur Unit arranged science caravan exhibitions at Govt. (Boys/Girls) higher/high secondary schools Taluka Mehrabpur District Naushahro Feroze on May 13-26, 2015. About 2100 students, teachers, subject specialists, principals, Head Masters / Head Mistresses and other staff of 12 schools visited the science exhibition. The Science Caravan Tandojam Unit arranged science caravan exhibitions at Govt. (Boys/Girls) higher/high secondary schools, Digri on May 18-30, 2015. Over 2,340 students from 16 schools visited these exhibitions.



Students being briefed about a model in Science Exhibition arranged by Sukkur Unit.



Science Exhibition arranged by Tandojam Unit at a school.

Technical Committee on NSLP

The 22nd meeting of the Technical Committee of NSLP was held on May 21, 2015 presided over by Chairman PSF/ Chief Executive, NSLP. Eighteen new projects and nineteen progress reports of ongoing projects were presented. Committee thoroughly reviewed the new projects and recommended technically sound projects for funding while noted all annual reports as satisfactory.

Meeting of "PSF Screening Committee for Research Projects" Reviews Concept Papers Submitted under NSLP

The Chairman Pakistan Science Foundation, Chief Executive, NSLP has constituted PSF Screening Committee to examine the technical merit of concept papers submitted for financial support under Natural Sciences Linkage Programme (NSLP) before obtaining the

full length proposal.

In this connection, meeting of PSF Screening Committee were held on May 14, 2015, presided over by the Chairman PSF, Chief Executive, NSLP. The Committee reviewed 24 concept papers in detail keeping in view the national needs.

Pakistan Museum of Natural History (PMNH)

Editor: Dr. Saleem Ahmad, Curator

International Day for Biological Diversity Celebrated at PMNH

Biodiversity conservation only solution to water scarcity, food security: Speakers

ISLAMABAD (May 22, 2015): halt loss of biodiversity as our Speakers here on Friday called survival hinges on its protection for commitment and action to and sustainability.



Prof. Dr. Muhammad Ashraf, Chairman, Pakistan Science Foundation, addresses inaugural ceremony of an event organized by Pakistan Museum of Natural History on its premises to celebrate International Day for Biological Diversity on May 22.

They were addressing inaugural Biodiversity and Dr. M.K. ceremony of an event organized Leghari, DG, PMNH.

to celebrate International Day A large number of students and for Biological Diversity at teachers from educational Pakistan Museum of Natural institutions of twin cities, History (PMNH). scientists, environmentalists

Prof. Dr. Muhammad Ashraf, and people from different walks Chairman, Pakistan Science of life attended the event. The Foundation (PSF) was the Chief speakers said that awareness Guest. The Speakers included about the biodiversity loss is eminent scientists like Prof. Dr. now insufficient and immediate Q a s i m J a n , A d v i s o r steps are needed to mitigate loss COMSTECH, Dr. Z.B. Mirza, a of biodiversity otherwise it will zoologist and wildlife be too late and our own survival specialist, Mr. Saeed-uz- will be at risk.

Z a m a n , C o n s u l t a n t The PSF Chairman said agenda



A view of Students' Poster Competition on the occasion of Biodiversity Day at PMNH.

of different national and international summits on Biodiversity is the same focusing same problems like clean water scarcity, climate change, biodiversity loss and food security etc. He said that instead of creating awareness about these issues now it is the time to take practical measures for halting and reversing the loss of biological diversity. Dr. Ashraf said that every living thing is part and parcel of this universe and its existence is not without any purpose as every living thing depends upon others for food and shelter and can't survive in isolation. He said that elimination of a single creature jeopardizes the survival of many other living things.

The Chairman PSF said that all the above-mentioned issues are interlinked and we should use

the appropriate methodology to address them. He was of the view that students are saviors of our future and they should take actions like plantation to protect biodiversity. He also emphasized the need for actions to achieve sustainability of our natural resources. He also stressed that the invasive species of plants that are heavily consuming underground water should be eliminated from those areas which are short of water in order to maintain natural balance of ecology.

Dr. Qasim Jan said that certain species are eliminating very rapidly due to geological changes ignited by man himself. He said that climate of our planet Earth has gone up by one degree and at two degree the temperature will reach at the level of very hot while at four degree there will be disaster. He

PMNH team returns from coastal areas tour

A 15-member team of scientists, designers, modelers, taxidermists and supporting team which had left for the coastal areas of Sindh and Balochistan under the guidance of Dr. Muhammad Rafique, Deputy Director General PMNH/ Director ZSD, returned

on 4th May. They brought numerous specimens of marine fauna and flora, rocks, sand, etc. for use in developing the Ocean diorama in PMNH. In this regard Chairman PSF was briefed about the achievements of the field work on 13th May 2015 at the PMNH committee room.



Specimens collected during field work of coastal areas: left: a beautiful crab specimen; right: a colorful marine algal sample.

said that per capita water has reduced five times and we have to conserve water by reducing its use as there is a fixed budget of water on this planet.

Dr. Z.B. Mirza, Mr. Saeed-uz-Zaman, Dr. M.K. Leghari and Dr. Muhammad Rafique also spoke on the occasion and they highlighted various threats to biodiversity and required steps to thwart them.

The Chief Guest also awarded certificates to the winners of a poster competition organized by PMNH on Biodiversity Day. A group of 32 gender balanced students participated in the Poster Competition.

A symposium on Biodiversity was organized during the



Prof. Dr. Muhammad Ashraf, Chairman, PSF giving away prize to a winner of the Poster Competition.

technical session. More than 200 researchers, students and general public attended the symposium. Various experts delivered thought-provoking presentations on different issues on biodiversity and their possible solutions.

Valuable wild animal specimens received through Collaboration

Since the last several years the Wildlife Park, Rawalpindi. Zoological Sciences Division, PMNH has developed collaborative relationship with a number of institutions. In this regard, Marghazar Zoo, Islamabad and Lohi Bhair Wildlife Park, Rawalpindi continuously provide their deceased animal bodies for ZSD repository. During May 2015, ZSD received two animals, Black Buck and Barking Deer, from Marghazar Zoo, Islamabad. They receives three more animals viz. monkey, Blue Bull and a lion from Lohi Bhair

Wildlife Park, Rawalpindi. These specimens have been preserved and stored in the ZSD repositories. Such donated animal bodies are of great help in strengthening our repositories.



ZSD staff skinning a Lion specimen received from Lohi Bhair Wildlife Park, Rawalpindi in May, 2015.

PMNH Scientist attends Board of Advanced Studies meeting

Dr. Ghazala Shaheen, Curator Sardar Bahadur Khan Women ESD, attended 6th Board of University Quetta on 17 May Advanced Studies meeting of 2015.



Sixth Board of Advance Studies meeting of Sardar Bahadur Khan Women University.

Pakistan Scientific & Technological Information Centre (PASTIC)

Editor: Mrs. Rahila Khurram

Workshop on “Intellectual Property Rights” at University of Sargodha

A one-day workshop on the Inaugural Ceremony of the “Intellectual Property Rights” workshop. was jointly organized by Mr. Zahoor Ahmad, from IPO PASTIC Sub Centre, Faisalabad and Ms. Asma Tanveer, Asma Law Associates from Faisalabad were the resource persons. Mr Zahoor gave an introduction of all kinds of intellectual properties and specifically deliberated upon the benefits of patenting. Ms. Asma focused her presentation on cyber issues related to IP. 40 participants, faculty members including Deans participated in were Guests of Honor during the workshop. A MoU was also



A MoU signing Ceremony between PSF and University of Sargodha.

signed between PSF and University of Sargodha. Prof. Dr. Muhammad Ashraf, Chairman, PSF and Prof. Dr. Muhammad Akram Chaudhary, Vice Chancellor, University of Sargodha presented Shields to Prof. Dr. Muhammad Ashraf, Chairman, PSF and Prof. Dr. Muhammad Akram Shaikh, Director General, PASTIC. At the end of workshop Prof. Dr. Muhammad Akram Chaudhary, Vice Chancellor, University of



Prof. Dr. Muhammad Ashraf, Chairman, PSF and Dr. Muhammad Akram Shaikh, Director General, PASTIC attending the workshop.



Prof. Dr. Muhammad Akram Chaudhary, Vice Chancellor, University of Sargodha, presenting the shield to Prof. Dr. Muhammad Ashraf, Chairman, PSF.



Prof. Dr. Muhammad Akram Chaudhary, Vice Chancellor, University of Sargodha, presenting the Shield to Dr. Muhammad Akram Shaikh, Director General, PASTIC.

“Three days CheMech Nova 15” at UET, Peshawar

PASTIC Sub-Centre, Peshawar UET chapter Peshawar, in collaboration with ASHRAE, organized a three-day CheMech

Nova 15 event from May 18-20, 2015 at UET, Peshawar. Students from all disciplines of UET participated in different activities. Ms. Ghazala Yasmeen Malik, Dy. Director, PASTIC, Peshawar delivered a detail presentation on PASTIC S&T Information Services by explaining the role of PASTIC for scientific community during the Inaugural Session. PASTIC services stall was also arranged during the event. 30 students got registered as free members of PASTIC.



Ms. Ghazala Yasmin Malik, Deputy Director PASTIC Sub Centre, Peshawar receiving a shield from the Chief Guest of Closing Ceremony Engr. Inam-Ullah (Directorate of Science and Technology).



Ms. Ghazala Yasmin Malik, Deputy Director PASTIC Sub Centre, Peshawar delivering a PASTIC services presentation during the Inaugural Session of the workshop.

PASTIC Information Services at Doorsteps of Universities /Institutions

PASTIC regularly organizes its information services stalls at universities and R&D institutions to bring its services at the doorsteps of researchers.

PASTIC Sub Centre, Faisalabad

A PASTIC Services Stall was organized at National Institute of Food Science & Technology, University of Agriculture, Faisalabad on May 06, 2015 by PASTIC Sub Center, Faisalabad.



PASTIC services stall at NIFST-Agriculture, University of Agriculture, Faisalabad.

Another PASTIC Services Stall was organized at Faculty of Agricultural Engineering & Technology, University of Agriculture, Faisalabad on May 07, 2015 by PASTIC Sub Center, Faisalabad



PASTIC services stall at Faculty of Agricultural Engineering & Technology, University of Agriculture, Faisalabad.

The third PASTIC Services Stall was organized at Amin Campus, University of Agriculture, Faisalabad on May 08, 2015 by PASTIC Sub Center, Faisalabad.



Rector, University of Agriculture, Faisalabad visiting the PASTIC Services Stall.

PASTIC Sub Centre, Quetta

A PASTIC Services Stall was organized during one-day Awareness Seminar at Institute of Biochemistry, University of Balochistan, Quetta on May 7, 2015 by PASTIC Sub Center, Quetta. Students and researchers visited the stall.

PASTIC Sub Centre, Peshawar

A PASTIC Services Stall was organized during one-day Science and Technology Exhibition at PCSIR Labs Peshawar, organized by Commercialization Cell, Ministry of Science & Technology on May 12, 2015. The task was given to Deputy Director, PASTIC Peshawar/ In-Charge Commercialization Cell Peshawar and PCSIR Labs Peshawar.



Federal Minister for Science & Technology, Rana Tanveer Hussain visits PASTIC Stall.

The main objective of the exhibition was to provide a platform to the local industry of KPK S&T organizations/ universities to exhibit their products and share their resources for the development of KP. Total 56 stalls were exhibited during the exhibition. Federal Minister for Science & Technology Rana Tanveer Hussain and other dignitaries of the exhibition visited the stall.

PASTIC Sub Centre, Karachi

A PASTIC services stall was organized at Department of Applied Chemistry, University of Karachi, on May 5, 2015 by PASTIC sub center Karachi, which was



Researchers and students visit PASTIC Services Stall.

visited by a large number of faculty members and researchers.

Another PASTIC services stall was organized at Dawood University of Engineering and Technology Karachi on May 19, 2015 by PASTIC sub center Karachi. A large Number of students, researchers, faculty members and the V.C of the University visited the PASTIC Stall.



Students visiting PASTIC services stall at Dawood University of Engineering and Technology, Karachi.

Third PASTIC services stall was organized at DOW International University of Medical & Health Sciences, Karachi on May 26, 2015 by PASTIC sub- center Karachi. A large number of students, researchers of the University visited the PASTIC Stall.



Students visiting PASTIC services stall at DOW International University of Medical & Health Sciences, Karachi.

AJK University Visited

Prof. Dr. Muhammad Ashraf, Chairman, PSF and Prof. Dr. Muhammad Akram Shaikh, Director General, PASTIC had a meeting with the Vice Chancellor of AJK University and also visited PASTIC Sub Centre, Muzaffarabad on May 28, 2015.



Prof. Dr. Muhammad Ashraf, Chairman, PSF and Prof. Dr. Muhammad Akram Shaikh, Director General, PASTIC hold a meeting with the Vice Chancellor of AJK University.

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Layout: Abdul Rasool, PMNH