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PSF NEWS

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From the Chairman



"Education does not merely mean academic education; you have to build the character of our future generation which means highest sense of honour, integrity, selfless service to the Nation and a sense of responsibility".

Muhammad Ali Jinnah

The process of obtaining knowledge and developing skills is called Education. Through this process, a Nation develops its self-respect sensitizing individuals who compose it and determines the density of the Nation. Education is most powerful tool for the positive change in the people to achieve greatness. In addition, common values

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6th South and Central Asia MAB Network (SACAM) Meeting Organized



Minister of State for Parliamentary Affairs Mr. Sheikh Aftab Ahmed addressing the inaugural ceremony of the 6th SACAM meeting.

Pakistan Museum of Natural History (PMNH), Pakistan Science Foundation (PSF) and Ministry of Science and Technology (MoST), UNESCO Pakistan and UNDP-Pakistan jointly organized the 6th Meeting of South and Central Asia MAB Network (SACAM) meeting on December 3-5, 2014 at Hotel Margalla, Islamabad. This august gathering of scientists and policy makers discussed on the burning theme "Impact of Climate Change on Natural Ecosystems". Delegates from member states, international organizations and a large number of national experts deliberated on the theme during the meeting. Minister of State for Parliamentary Affairs Mr. Sheikh Aftab Ahmed was the Chief Guest of the inaugural session. The minister ensured recommendations would be welcomed and implemented for mitigation of the effects of climate change. Mr. Kamran Ali Qureshi, Secretary, MoST, who is also the Chairman of the National MAB Committee, stressed on strong regional cooperation and encouraged member states to share their success stories with countries lagging behind accelerating Man and Biosphere reserve program. He also expressed

PSF Inks MoU with PakTurk ICEF



Consultative Meeting on Science Talent Farming Scheme sponsored by Planning Commission, Pakistan Science



Delegation of Chinese Academy of Sciences visit PMNH



From the Chairman

such as punctuality, following rules, cooperation, learning to work and get along together as well as a sense of responsibility are all important factors of education. The combinations of knowledge and skills as well as the common values will help our young students bloom into adults and become responsible and productive citizens.

We must remember that building intelligence and character are the goals of true education. The complete education not only gives power of concentration, but worthy objectives upon which to concentrate. The purpose of education should be to prepare our young generation for life and nourish their potential so that each child may connect and contribute their unique ideas and abilities to the society.

As such, imparting Education does not fall in PSF's domain, but promotion and popularization of science is the one of our main objectives, for which PSF is joining hands with National and International Educational and scientific organizations like UNESCO, Academy of Sciences, France, Centre Sciences, FDE, NISTE, Intel Education, BISE's of the country and many others. All of the PSF activities are centered on students learning through critical thinking and Inquiry Based approach.



(L to R) Mr. Kamran Ali Qureshi, Secretary, MoST, Dr. Khalil Ahmad Ibupoto Chairman PSF, Ms. Vibeke Jansen, Director, UNESCO Pakistan, Dr. Shahbaz Khan, Deputy Director, UNESCO Regional Science Bureau, Indonesia, Mr. Ram Bhoje, Secretary SACAM & Dr. Muhammad Rafique, addressing the inaugural session.

the view that climate change is not a castle in the sky but it is at the front step of our region and we have to take mitigation measure as soon as possible.

Chairman PSF, Chairman SACAM and Co-Chairman, National MAB Committee Prof. Dr. Khalil Ahmed Ibupoto, acknowledged the participating countries, international organizations and national organizations experts for joining hand with MAB-Pakistan to sort out the issue of climate change. He emphasized to indicate that if this meeting ends with proposing a regional level project for future line of action then he will consider this meeting a successful effort.

Ms. Jensen Vebke, Director UNESCO-Pakistan; Dr. Shahbaz Khan, Deputy Director, UNESCO-Office,

Jakarta, and Dr. Ram Boojh, Secretary, SACAM, also expressed their full support to tackle the problem of climate change through biosphere reserves program. They stressed that declaration of more biosphere reserves will help to address the issue of climate change on regional level.

Dr. Muhammad Rafique, Country Focal Person for Man and Biosphere (MAB) Pakistan said that climate change has affected almost all of the physical and biological components of the Planet. He also said the platform will provide an opportunity to scientists and government officials to form better strategies for addressing the issue of climate change.

Ms. Vibeke Jansen, Director, UNESCO Pakistan, Dr. Shahbaz Khan, Deputy Director, UNESCO-Office,

Science Bureau, Indonesia, Mr. Usman Manzoor, Representative UNDP and Mr. Ram Bhoje, Secretary SACAM also addressed the inaugural session. They highlighted Man and Biosphere (MAB) Programme. They said MAB is an inter-governmental programme for livelihood of local communities by protecting ecosystems and biodiversity.

Technical sessions begun after the inaugural ceremony and continued to 5th December in which delegates from Bhutan, Iran, Nepal, Sri Lanka and Uzbekistan, Dr. Shahbaz Khan, Deputy Director, UNESCO-Office, Jakarta, and Dr. Ram Boojh, Secretary, SACAM actively participated. Experts from various institutions of Pakistan also delivered



Foreign delegates during the technical sessions of the 6th SACAM meeting (Left to right Iran, Kzhakhstan, Nepal, Sri Lanka, UNESCO representatives, Bhutan.)

Quote of the Month

Climate change is a terrible problem, and it absolutely needs to be solved. It deserves to be a huge priority.

-Bill Gates



Group photo of the Foreign delegates, local experts and PSF/PMNH officers with the Chairman PSF, Dr. Khalil Ahmad Ibupoto at the closing session of the 6th SACAM meeting.

thought provoking presentations. During technical sessions participants discussed about the problems caused by climate change which is increasing by alarming rate. Participants shared their knowledge in the form of presentations containing environment impact data and described the impact of human activity on the climate. Degrading conditions of agriculture lands, water reservoirs, global warming, melting of glaciers, forest fires, draught, increasing intensity of storms, natural disasters and other calamities were discussed. Recommendations related to weather, economics, agriculture, wetlands, biodiversity, natural resources, and ecosystem were discussed. At the end of technical sessions recommendations were adopted that include evaluation of climate change impacts on ecosystems and different resources; prepare country red-list for environmental assets for Pakistan and develop PC-1 on the MAB Programme of Pakistan for the long term sustainability to ensure technical and financial support by the Government of Pakistan. The meeting also agreed on following regional level recommendations:

1. Need to strengthen MAB in different countries.
2. Universities should relate and couple with biosphere reserves, possibly leading to UNESCO chairs on BRs.
3. Some tangible projects across SACAM counties e.g. mapping of the ecosystem based

trans-boundary BRs.

4. Comparative legislative analysis of Environmental laws related to BRs in different countries (Two year exercise. 2016-17)
5. Awareness material /Advocacy for the society.
6. Comparative analysis of effective Biosphere reserve management approaches (2016-2017)

Training/Capacity Building for the biosphere managers is very important.

PSF Inks MoU with PakTurk ICEF

PSF signed MoU with PakTurk International Cag Educational Foundation (Schools and Colleges)-ICEF, Islamabad on 22.12.2014 at PSF to carry out mutual collaborative activities for promotion and popularization of Science. Prof. Dr. Khalil Ahmed Ibupoto, Chairman PSF and Mr. Mustafa YILMAZ, Chairman ISMO Organizing Committee/Deputy Director Education, PakTurk International Schools and Colleges, Islamabad signed

MoU on behalf of their PSF and Dr. H.U. Khan, CSO organizations. Mr. Haider PSF witnessed the MoU. Dr. Zaman Khattak, Secretary Naushaba Atta, PSO and Mr.



Prof. Dr. Khalil Ahmed Ibupoto, Chairman PSF and Mr. Mustafa YILMAZ, Chairman ISMO Organizing Committee/Deputy Director Education, PakTurk International Schools and Colleges, Islamabad signing MoU

Abdul Rauf, SSO were also present on the occasion. This MoU is signed to develop cooperation and collaboration for capacity building of Pakistani students through mutual collaborative activities for the betterment of economic condition of the country. PakTurk International Educational Foundation (Schools and Colleges) is a private chain of Turkish educational institutions established in 1995 for the pursuit of education in

Pakistan having twenty four branches which are operating in Islamabad, Lahore, Karachi, Khairpur, Hyderabad, Jamshoro Multan, Peshawar and Quetta, with a total student population of more than 8000. PakTurk International Schools and Colleges have been successfully organizing the Inter Schools Maths Olympiad (ISMO) for the students of private as well as the State Schools across Pakistan since 2005. ISMO has become a national event and being conducted all over Pakistan. This competition is conducted at different cities simultaneously. PSF is sponsoring this event for many years. This collaboration led both organizations towards signing of MoU. Through this MoU, it is mutually understood and agreed that both organizations will work together for science popularization activities and will collaborate in conducting joint activities such as ISMO (Inter Schools Maths Olympiad). PSF will sponsor the ISMO with the

motivation to make a meaningful difference in the attitude towards mathematics in our youth and will also provide the cash prizes to the winner students.



Prof. Dr. Khalil Ahmed Ibupoto, and Mr. Mustafa YILMAZ, exchanging th MoU document. PSF senior officers are also present.

PSF & Planning Commission Organize Consultative Meeting

Pakistan Science Foundation (www.psf.gov.pk) and Planning Commission of Pakistan (www.pc.gov.pk) in collaboration with NUST and other organizations including Teletaleem, CASE and PIF organised a meeting on 2nd December 2014 of various stakeholders in the field of Science Popularization, Science Education and teacher training for taking their input on Government of Pakistan's recently unleashed "Science Talent Farming" Scheme launched under Vision 2025. Several research studies show that quality science and mathematics education in the early years of learning leads to fewer dropout rates, increased tendency to enroll in college or university and successful careers in general. With appropriate intervention, there is sufficient space within the current school curriculum to develop scientific thinking. This can be achieved by

employing an inquiry-based approach to teaching in subjects that already exist in the curriculum, i.e., science and mathematics.

Major objectives of the Science Talent Farming Scheme are to identify talented students with an aptitude and passion towards Science and groom them all the way to the highest possible degree through financial and academic assistance.

This meeting was conducted to identify the roadmap to launch Science Talent Farming Scheme in consultation with stakeholders focusing on:

- Exploring the ways and means for assessment of the students having scientific aptitude, as the top scorers of the traditional examinations (which are based on assessment of memorization) are not necessarily have the scientific/critical thinking.
- Strategy and procedure to support the selected students for their future grooming to

become productive scientist.

The meeting started with Recitation from The Holy Quran. Prof. Dr. Khalil Ahmed Ibupoto in his welcome address said that all stake holders are expected to contribute for this national cause and give their suggestions to formulate a mechanism to identify the science talent in youth and their grooming.

Dr. Muhammad Yahya Khawaja, Member (S&T and IT), Planning Commission in his introductory remarks gave the rationale and background of this program and said that we have to set the goals to achieve our targets. And we must groom our students to achieve a great success and Science Talent forming scheme is opportunity to find the way towards progress.

Prof. Ahsan Iqbal Federal Minister, Planning, Development & Reforms in his address briefed about the Vision 2025 and added that many initiatives have been



Prof. Ahsan Iqbal Federal Minister, Planning, Development & Reforms presiding over the meeting. Prof. Dr. Khalil Ahmed Ibupoto Chairman, PSF & Dr. Muhammad Yahya Khawaja, Member (S&T and IT), Planning Commission are also present.

taken under Vision 2025 and Science Talent Farming scheme is one of them. Under this scheme top class scientists and technologists for the future will be identified and will be groomed accordingly. He discussed important aspects of the subject meeting and stressed all the stakeholders to be focused and applied to design the further plans to dig out the hidden talents in young generation.

The technical session was proceeded by Dr. Muhammad Yahya Khawaja, Member (S&T and IT), Planning Commission. Some educationists/and scientists gave presentation with proposals. Mr. Abdul Rauf, SSO, PSF also shared PSF activities of science popularization and suggested possible ways to identify the science talent at grassroots level for Science Talent Farming Scheme. Focal persons from NUST, CASE and HEC also delivered their presentations.. The technical session was open for all stake holders to share their opinion to formulate the mechanism.



Participants during consultative meeting on Science Talent Farming Scheme

All the participants gave their large number of scientists, suggestions for selection educationists and criteria of the students. The stakeholders from HEC, NUST, FDE, COMSATS, PIF, ITA ,PSN , CASE and many others. for assessment of students having scientific aptitude and methodology for capacity building of students. The meeting was attended by

PSF & PakTurk Join Hands for 10th ISMO

PSF has recently signed MoU with Pak Turk across the country Foundation to collaborate for participated in the 10th organizing different National ISMO 2014. activities for promotion of Award distribution ceremony Science. ISMO (Inter for 10th National ISMO was Schools Mathematics held on 24th Dec, 2014 at Olympiad) is one major Serena Hotel, Islamabad. activity for which PSF is Chairman PSF, Prof. Dr. partner. ISMO is the MCQ- Khalil Ahmed Ibupoto was based Mathematics contest the Guest of Honor at the conducted for the students in occasion. Minister for class 5-8 .They are Education and Professional competing for attractive cash Training, Mr. Muhammad prizes and the title of “Al- Baligh Ur Rehman was the Khwarizmi of Pakistan” Chief Guest. Chairman PakTurk International PakTurk Foundation Schools & Colleges conducts Mr.Ünal Tosur, delivered this contest once in a year welcome address. He since 2005. Around 9000 acknowledged the



Minister for Education and Professional Training, Mr. Muhammad Baligh Ur Rehman & Prof. Dr. Khalil Ahmed Ibupoto Chairman, PSF distributing prizes among winner of ISMO



Mr. Kamil Ture, Director Education PakTurk presenting appreciation award to Prof. Dr. Khalil Ahmed Ibupoto, Chairman, PSF.

cooperation of Pakistan Science Foundation for this event. At the end, the President PakTurk Foundation Mr. Kamil Ture, Director Education PakTurk presented appreciation award to Prof. Dr. Khalil Ahmed Ibupoto, Chairman, PSF. All winners were awarded certificates and cash awards. Al-Khwarizmi of Pakistan 2015 was given to Raja Shahmeer Ahmed from Siddeeq Public School.

Chairman PSF as Chief Guest in International Conference on Neurology at Karachi

Prof. Dr. Khalil Ahmed Ibupoto, Chairman PSF participated as the Chief Guest in the Inaugural session of 14th International Neurology Updates & 7th National Stroke Conference held on 19-21 December, 2014 at Agha Khan University, Karachi. The conference was organized by Pakistan Society of Neurology. In his address, Dr. Khalil highlighted the root causes of Neurological disorders and stroke. He also briefed the audience about Foundation's mandate & programmes. The conference was attended by large number of physicians, doctors and medical researchers. The resource persons and speakers highlighted the importance of the theme and the preventative measures for these problems.

Commandant, AFIRM Visits PSF

Gen. Akhtar Waheed, hospital and working for Commandant and Dr. Amir rehabilitation of disables who Jaffar from Armed Forces suffer disabilities during their Institute of Rehabilitation job in civil as well as armed Medicines (AFIRM) visited services. They briefed about PSF on 24 Dec, 2014 and hold the services provided at the a meeting with Prof. Dr. Khalil institute. Training of doctors, Ahmed Ibupoto, Chairman technicians, physiotherapist PSF in his office. Dr. H. U. and nurses is one of the major Khan, CSO, Mr. Haider strength of this institute. Zaman Khattak, Secretary and During the meeting various other senior officers of PSF areas of mutual cooperation were also present. AFIRM were discussed, it was decided team were briefed about to arrange popular science various activities of PSF. They lecture at different areas in told that AFIRM is an 80 bed Pakistan for awareness of the



Prof. Dr. Khalil Ahmed Ibupoto Chairman, PSF and senior officers of PSF during the meeting with Commandant, AFIRM

services provided by AFIRM. It was mutually agreed that AFIRM can tell their priority demands for research projects to develop different artificial organs for handicapped. It was decided that industry sector may also be involved to manufacture the furniture fixture and transportation according to the needs of these disabled people.

Science Caravan Exhibitions

Punjab

Science Exhibition in District Naushahro Feroze on 8-12 Dec, 2014, 2775 Government Model High students, teachers of 14 School (Boys and Girls) schools participated. Mian Channu w.e.f. 9-18 Science Caravan Tando Jam Dec, 2014. More than 155 Unit organized Science teacher's and 5000 students Caravan exhibition at Govt. visited this exhibition from Boys/Girls High School 11 Schools visited this Dualpur District Shaheed exhibition Benazirabad (Nawab Shah).

Sindh

Sukkur unit arranged the About 3019 students, 73 Science Caravan exhibition Teachers and 15 schools visited the science caravan at Govt. (Boys) Higher exhibition. Secondary School Bhiria Another science exhibition

was organized at Govt

Boys/Girls Higher District Umerkot w.e.f. 10-25 Nov, 2014. About 3698 students, 87 Teachers and 18 schools visited the science caravan exhibition.

KPK

Science Caravan Exhibitions held at GHSS-NO-1 Rajjar Charsadda from 08.12.2014 to 19.12.2014 attracted 1334 students and 43 teachers of 12 schools.

Balochistan

The Jaffarabad unit arranged exhibition at Govt. Boys High School Sobat Pur/ Tehsil Dera Allah Yar on 8-20 Dec, 2014, in which 3301 students and teachers from 15 schools participated.

21st Technical Committee of NSLP

The 21st meeting of the Technical Committee of NSLP was held on December 02, 2014 presided over by Chairman PSF/ Chief Executive, NSLP Prof. Dr. Khalil Ahmed Ibupoto. Eighteen new projects and thirteen 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.

Important Meetings/Events attended;

Prof. Dr. Khalil Ahmed Ibupoto, Chairman, PSF attended following meetings/event during the month of December, 2014;

- ☛ Meeting in connection with preparation for holding of the OIC Meeting in the Committee Room of MoST on 5th Dec, 2014.
- ☛ PASTIC budget meeting in PASTIC office on 8th Dec, 2014.
- ☛ Advent Concert at the German Embassy Auditorium on 8th Dec, 2014.
- ☛ Inaugural Plenary of SDPI's "17th Sustainable Development Conference" at Best Western Hotel, Islamabad on 9th Dec, 2014.
- ☛ PSF Travel Grants Award Committee

Meeting on 9th Dec, 2014.

- ☛ SACAM Review meeting in PSF Committee Room on 12th Dec, 2014
- ☛ PMNH Budget meeting at PMNH on 15th Dec, 2014.
- ☛ Inauguration of 12th COMSATS International Conference on "Frontiers of Information Technology" from Dec 17-19, 2014 at Serena Hotel, Islamabad on 17th Dec, 2014.
- ☛ Meeting of the BoG, Centre of Excellence, National Institute of Psychology, Quaid-e-Azam University on 18th Dec, 2014.
- ☛ Meeting with Mr. Mustafa Yilmaz, Pak Turk School on 30th Dec, 2014.

Pakistan Museum of Natural History (PMNH)

Editor: Dr. Saleem Ahmad, Director, PSD

Visit of the SACAM delegates to PMNH

The participants of the 6th Pakistan has such a unique SACAM meeting visited museum which is also Pakistan Museum of Natural History on the evening of 5th December. They showed keen interest in its research and educational facilities. Mr. Ram Boojh, Secretary SACAM expressed his feelings by writing in remarks books "I had the opportunity to visit Museum with SACAM delegates today and greatly pleased to see a huge collection, nice display of



Group photo of the foreign delegates attending the 6th SACAM meeting with PMNH officers on their visit on the evening of 5th December.

various materials and staff provided an excellent sections. Moreover, the interpretation to all the dedicated team of museum members of delegation.

Delegation of Chinese Academy of Sciences visit PMNH

A 14-member delegation from Chinese Academy of Sciences visited PMNH on 21st December. Mr. Paping Zhang, President of Chinese Academy of Sciences led the delegation. Dr. M.K. Leghari, Director General and Dr. Muhammad Rafique, Director, ZSD, PMNH and

other officials received the guests. The delegation visited the different display galleries of the museum. They also visited the natural history repositories and admired the efforts and dedication of scientist and staff of PMNH. Mr. Paping Zhang, President of Chinese Academy of Sciences congratulated to the PMNH and admired the commitment of researchers by giving remarks "Wonderful collection and active Research".

Celebration of Christmas at PMNH

Christian employees of PMNH celebrated Christmas on 23rd December, 2014 at PMNH. Chairman PSF Dr. Khalil Ahmed Ibupoto, D.G. PASTIC Dr. Muhammad Akram Sheikh, Director General, PMNH, senior officials from PSF, PASTIC and PMNH also participated in this ceremony to share the happiness of his Christian employees and invokes the sense of unity, fraternity and love with the other religions. Symbol Christmas tree was decorated. Chairman PSF, Prof. Dr. Khalil Ahmed Ibupoto cut the cake along with the Christian employees in the committee room of PMNH.



Group photo of Christian employees of PMNH and PASTIC and senior officers of PSF/PMNH/PASTIC with the Chairman, PSF in front of the trees decorated for Christmas.



Group photo of the delegation from Chinese Academy of Sciences with DG, DDG and senior officers of PMNH.

PMNH officers attend Conference on Sustainable Development

Dr. Syed Aneel Gilani and Dr. Sumaira Sahreen Associate Curators, BSD, attended the PATHWAYS to sustainable development (17th Sustainable Development Conference) organized by Sustainable Development Policy Institute on the ecosystem and common man. He also discussed the importance and current status of Mangroves forest in Pakistan.

Groups of Students visit PMNH

Thirty students of M.Sc. from Department of Botany University of AJK visited the PMNH display galleries on 2nd December. They also studied the Herbaria of the Botanical Sciences Division. Dr. Ismail Bhatti and Dr. Syed Aneel Gilani along with Mr. Muhammad Imran guided the visitors. A group of 25 students of Math and Physics departments, NUST along with their teacher visited the PMNH display galleries on 23rd December. They visited PMNH for the facilitation and discussion about their course offered to them at NUST "An Introduction to Biology". They were briefed by the PMNH experts on the fauna and flora of Pakistan. Forty eight BS-Forestry students and four staff members from Benazir Bhutto Shaheed University Sheringal, Swat, visited PMNH. They were guided through the PMNH display galleries.

Pakistan Scientific & Technological Information Centre (PASTIC)

Editor: Mrs. Rahila Khurram

PASTIC organize 4th Workshop on “Developing Industry Driven Technologies” at Abbotabad

Pakistan Scientific and Technological Information Centre (PASTIC), Islamabad and Institute of Research Promotion (IRP), Lahore has been organizing a series of workshops on “Developing Industry Driven Technologies” at universities across Pakistan. The purpose is to orient researchers about approaches and practices used in industry driven technologies as well as to train them on planning, developing and commercializing



Dr. Akram Sheikh, Director General, PASTIC along with Dr. Khan Gul Jadoon, Director COMSATS-Abbotabad addressing the participants

technologies.

The 4th One-day Training Workshop of this Series was organized by PASTIC Sub Center, Peshawar in collaboration with ORIC, CIIT-Abbotabad and IRP at COMSATS, Abbotabad Campus on December 11, 2014.

Prof. Dr. M. Akram Shaikh, Director General, PASTIC, Prof. Dr. Khan Gul Jadoon, Director, CIIT-Abbottabad., Prof. Dr. Shahid Khattak, Chairman, Electrical Department/ In-charge, ORIC, CIIT-Abbottabad, and 50 participants attended the workshop.

The workshop was based on case studies of industrial

projects developed through identification, planning, lab works, pilot testing and production scale of different industrial products. Resource persons from academia and industry delivered talks and presentations.

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. This month PASTIC services stall was organized at NFC Institute of Engineering and Fertilizer Research, Faisalabad by PASTIC Sub Center, Faisalabad on December 3rd-4th, 2014. A large number of students / researchers and faculty members visited PASTIC stall.

Meetings/Workshops/ Trainings Attended/ papers presented:

Mrs. Ghazala Ali Khan, Deputy Director, PASTIC Sub Centre, Peshawar delivered a detail presentation about PASTIC/PSF services to the participants during Short Training Course on “Range Management” from December 16th - 20th, 2014, at Pakistan Forest Institute Peshawar.

Appointments/Promotions /Transfers:

Following Officers in PASTIC have been promoted during this month

✍ Mr. Saifullah Azim, Sr. System Analyst has been promoted from BS-18 to BS-19.

✍ Syed Habib Akhter Jafferi, Sr. Librarian, has been promoted from BS-18 to BS-19

✍ Mr. Muhammad Altaf, Assistant Director (STI), PASTIC Sub Centre, Muzaffarabad has been promoted from BS-17 to BS-18.

✍ Syed Javed Mukhtar, MTI, has been promoted from BS-17 to BS-18.

✍ Mr. Tahir Masood, Assistant Programmer has been promoted from BS-16 to BS-17.

Pakistan Science Foundation

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